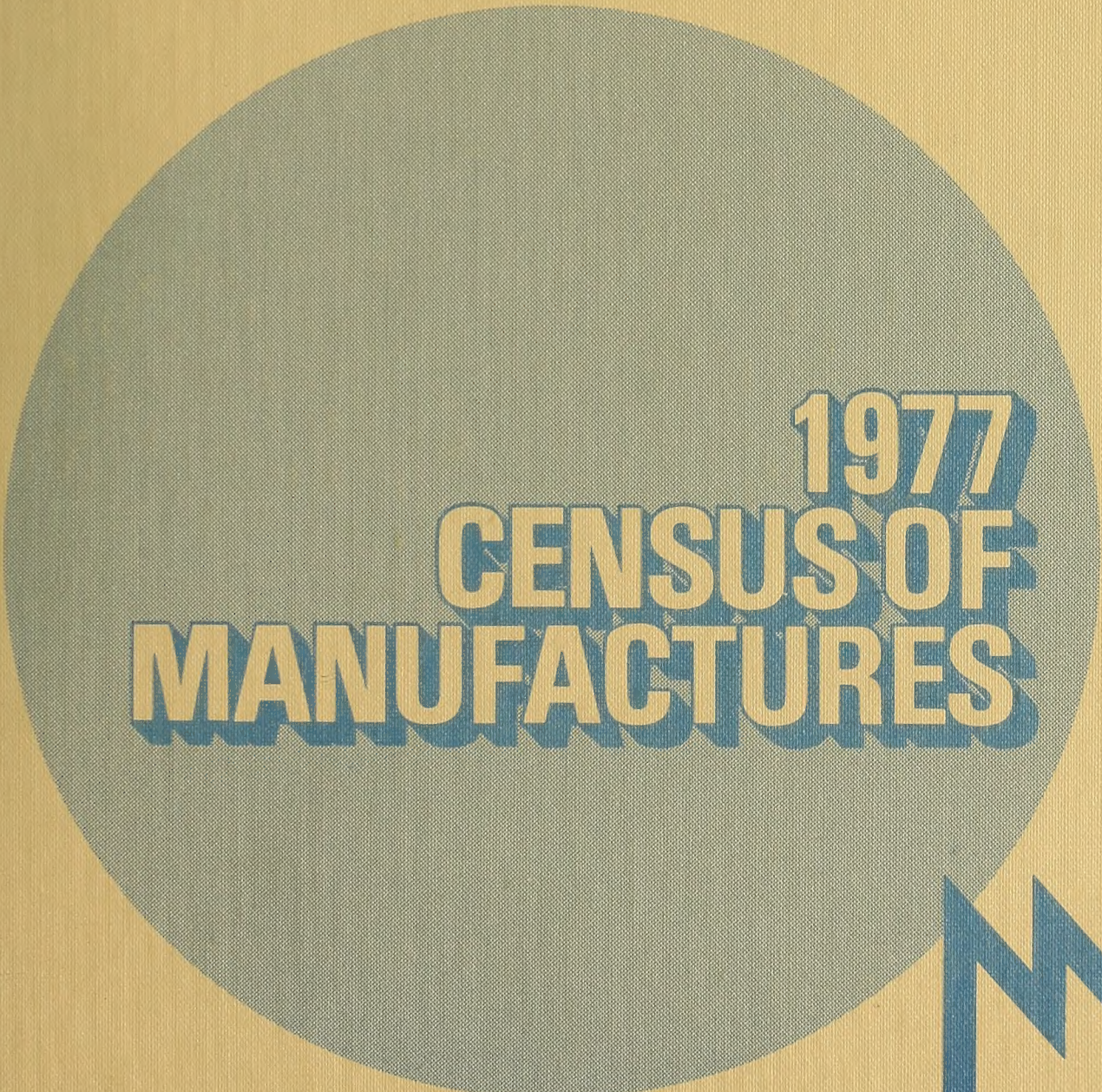
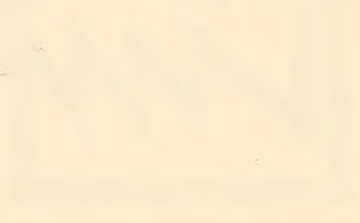

Volume III
Geographic Area Statistics

Part 1.
General Summary,
Alabama—Montana



1977
CENSUS OF
MANUFACTURES



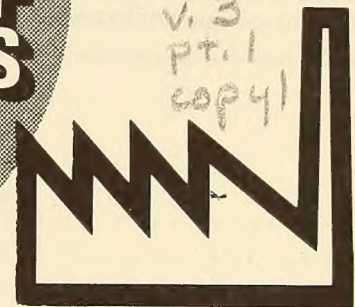


Volume 1
Part 1
General Summary
History - 1800-1850



1977 CENSUS OF MANUFACTURES

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Volume III

Geographic Area Statistics

Part 1. General Summary, Alabama—Montana



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Geographic Area Statistics

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Data in this publication may differ slightly from the industry and area reports previously published. These differences are due to corrections which were made for minor errors identified after the industry and area reports were issued. This report reflects these corrections.

INTRODUCTION

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I. General Background

1. HISTORY OF THE ECONOMIC CENSUSES

General—The economic censuses provide a comprehensive statistical profile of a large segment of the national economy. This program includes censuses of manufactures, retail trade, wholesale trade, service industries, mineral industries, and construction industries. In 1977, these industries accounted for nearly 61 percent of the \$1,894.5 billion of the gross domestic product and 70 percent of that originating in the private sector. The principal industry groups not covered were finance, insurance, and real estate; agriculture and forestry; communications; electric, gas, and sanitary services; and transportation. Limited information on transportation is collected, e.g., truck registration and distances travelled, and shipments of commodities by type of transport and distance shipped.

Uses and users of census data—The economic censuses are the primary source of facts about the structure and functioning of a major part of the economy. They are used extensively in compiling the benchmark measures of the national accounts. Census data also serve as weights or benchmarks for indexes of industrial production, productivity, and price; as well as many current surveys of industrial activity.

There is widespread use of the economic censuses, by the Government, in setting economic policy and monitoring economic programs. Manufacturers and distributors rely on census data to measure their potential geographic and industrial markets. The censuses provide the facts needed for economic forecasting; analysis of sales performance; the layout of sales territories; the allocation of advertising budgets; and the location of plants, warehouses, and stores. Trade and professional associations rely on census information to determine how their industries are changing; chambers of commerce and State and local governments depend on them to assess changes in the business structure in their areas. Business magazines and academic researchers rely on census facts as background for many of their articles.

Census reports are purchased by thousands of business and other users; census data are republished and widely circulated by trade associations, business journals, and the daily press; and census volumes are available in all the major public and college libraries.

History—The first economic type census covered the year 1809, when inquiries on manufacturing were included with the 1810 Census of Population. By modern standards, the results of this

pioneer effort would be considered unsatisfactory.¹ However, continued interest in the Nation's economic growth led to successive improvements in economic census-taking during the 19th century. By 1890, the statistical standards and procedures followed in censuses reached a full professional quality.

All of the decennial censuses from 1810 through 1940, with the exception of 1830, included questions on manufacturing. Inquiries on mining first appeared in 1840, and censuses of mineral industries were conducted decennially through 1940. Although some business-related data were collected in 1840, the first census of business was taken for the year 1929. This included retail trade, wholesale trade, and construction; beginning with 1933, selected service trades were covered. Dates of these and other economic censuses from 1809 are shown in table A.

Enterprise statistics—Through the history of the economic censuses, the unit of enumeration has been the establishment—

i.e., a single physical location engaged in a specific line of business (for more discussion, see section 8). This unit is best suited for obtaining measures of direct output and input—labor, material, capital, etc. It is also best suited for providing refined industry and geographic tabulations. Statistics measuring overall income and balance sheet data are best collected at the company or enterprise level. In the early 19th century, these two business units were often identical. With the rise of large-scale operations, it became quite common for the large companies to operate separate manufacturing establishments in a number of diverse industries so that today the establishment and enterprise frequently are not the same. Enterprise measures and balance sheet data have typically been provided by the Internal Revenue Service (IRS) in its Statistics of Income and Federal Trade Commission (FTC) in its Quarterly Financial Report of Corporations.

The Bureau of the Census, as a result of the coordinated collection and tabulation of comparable data for several economic sectors in 1954, also developed an enterprise statistics

Table A. **Years Covered by U.S. Economic Censuses: 1809 to 1977**

Year covered	Manufactures	Mineral industries	Fisheries	Construction industries	Retail trade	Wholesale trade	Service industries ¹	Transportation ²
1809.....	X	-	-	-	-	-	-	-
1819.....	X	-	-	-	-	-	-	-
1839.....	X	-	-	-	-	-	-	-
1840.....	-	X	-	-	-	-	-	-
1849.....	X	-	-	-	-	-	-	-
1850.....	-	X	-	-	-	-	-	-
1859.....	X	-	-	-	-	-	-	-
1860.....	-	X	-	-	-	-	-	-
1869.....	X	-	-	-	-	-	-	-
1870.....	-	X	-	-	-	-	-	-
1879.....	X	-	-	-	-	-	-	-
1880.....	-	X	X	-	-	-	-	-
1889.....	X	X	X	-	-	-	-	-
1899.....	X	-	-	-	-	-	-	-
1902.....	-	X	-	-	-	-	-	-
1904.....	X	-	-	-	-	-	-	-
1908.....	-	-	X	-	-	-	-	-
1909.....	X	X	-	-	-	-	-	-
1914.....	X	-	-	-	-	-	-	-
1919.....	X	X	-	-	-	-	-	-
1921.....	X	-	-	-	-	-	-	-
1923.....	X	-	-	-	-	-	-	-
1925.....	X	-	-	-	-	-	-	-
1927.....	X	-	-	-	-	-	-	-
1929.....	X	X	-	X	X	X	-	-
1931.....	X	-	-	-	-	-	-	-
1933.....	X	-	-	-	X	X	X	-
1935.....	X	X	-	X	X	X	X	-
1937.....	X	-	-	-	-	-	-	-
1939.....	X	X	-	X	X	X	X	-
1947.....	X	-	-	-	-	-	-	-
1848.....	-	-	-	-	X	X	X	-
1954.....	X	X	-	-	X	X	X	-
1958.....	X	X	-	-	X	X	X	-
1963.....	X	X	X	-	X	X	X	X
1967.....	X	X	X	X	X	X	X	X
1972.....	X	X	-	X	X	X	X	X
1977.....	X	X	-	X	X	X	X	X

- Not published. X Published.

¹Actual coverage varied from census to census.

²Limited information only.

¹ For an appraisal of early censuses of manufacturing, see Meyer H. Fishbein, *The Censuses of Manufactures 1810-1890*. National Archives Publication No. 63-22, June 1963, Government Printing Office.

program. This program relates census company-level data to data measuring the activities of individual operating units or establishments within the companies. Thus, a measurement of the integration and diversification of the American enterprise system became available. The enterprise statistics program also made it possible to link census establishment-based data on a modified basis to enterprise-based statistical systems such as the IRS's Statistics of Income for Corporations.

Legal provisions—The periodic economic censuses are required by law. Title 13 of the United States Code specifies the frequency of the censuses, the kinds of activities to be covered, the obligation to report, the penalties for failure to report, and the confidentiality of returns. It also authorizes the use of sampling techniques in conducting censuses. As amended in 1964, Title 13 requires the economic censuses to be taken at 5-year intervals, covering the years ending in "2" and "7." The next censuses will cover the year 1982 and will include the census of agriculture, which has been customarily conducted on a different time sequence from the other economic censuses. The pertinent portions of Title 13 are quoted in appendix E.

2. CHARACTERISTICS OF THE INDUSTRIAL SECTOR

General—Manufacturing is the largest sector of the economy. In 1977, manufacturing plants employed nearly 20 million persons, or 20 percent of the civilian labor force of 97.4 million. As shown in table B, gross domestic product (GDP) originating in manufacturing averages almost 24 percent of the total. Wholesale and retail trade combined was the next largest sector with 17 percent of the GDP.

Cyclical changes—The need for frequent and comprehensive statistics on manufacturing derives as much from its sensitivity to cyclical influences as from its relative size. Cyclical changes in income originating in manufacturing tend to be relatively larger than in the economy as a whole, as can be seen in the movement of national income originating in manufacturing from 1929 to 1933 to 1939 in table C.

Within manufacturing, durable goods industries accounted for about 60 percent of all manufactures during recent periods. This category tends to be more volatile than nondurable goods,

Table B. Gross Domestic Product, by Industry, for Selected Years: 1947 to 1977

Industry	1947	1954	1958	1963	1967	1972	1977
Billions of dollars							
Gross national product ¹	233.1	366.8	449.7	596.7	799.6	1,185.9	1,918.0
Gross domestic product ¹	231.8	364.5	446.6	591.8	793.7	1,175.0	1,894.5
Manufacturing.....	66.2	106.4	123.8	167.4	222.3	292.5	462.4
Nondurable goods.....	32.7	45.6	54.1	69.8	88.7	119.3	185.3
Durable goods.....	33.5	60.8	69.7	97.6	133.6	173.2	276.6
Wholesale and retail trade.....	44.2	60.9	75.2	96.1	130.1	199.5	322.5
Government and government enterprises.....	19.3	36.9	47.1	65.9	96.3	155.4	237.2
Services.....	20.2	30.5	42.3	60.0	86.1	136.5	234.3
Finance, insurance, and real estate.....	23.2	46.5	62.4	85.3	114.2	169.8	274.0
Contract construction.....	9.1	17.2	21.0	27.4	37.5	59.4	86.7
Transportation.....	13.6	18.1	20.9	24.9	32.1	45.6	71.2
Agriculture, forestry, and fisheries.....	20.8	20.7	21.9	22.0	24.2	35.4	53.8
Electric, gas, and sanitary services.....	3.8	8.0	10.7	14.9	18.5	28.8	49.9
Communication.....	3.1	6.5	8.9	13.1	18.0	29.8	49.4
Mining.....	6.8	10.9	12.4	13.1	14.6	19.0	48.6
Rest of the world ¹	-	-	-	-	-	-	-
Percent of gross domestic product							
Gross national product ¹	-	-	-	-	-	-	-
Gross domestic product ¹	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Manufacturing.....	28.7	29.2	27.7	28.3	28.0	25.0	24.4
Nondurable goods.....	14.2	12.5	12.1	11.8	11.2	10.2	9.8
Durable goods.....	14.5	16.7	15.6	16.5	16.8	14.8	14.6
Wholesale and retail trade.....	19.2	16.7	16.8	16.2	16.4	17.0	17.0
Government and government enterprises.....	8.4	10.1	10.5	11.1	12.1	13.3	12.5
Services.....	8.8	8.4	9.5	10.1	10.8	11.6	12.4
Finance, insurance, and real estate.....	10.1	12.8	14.0	14.4	14.4	14.5	14.6
Contract construction.....	4.0	4.7	4.7	4.6	4.7	5.1	4.6
Transportation.....	5.9	5.0	4.7	4.2	4.0	3.9	3.8
Agriculture, forestry, and fisheries.....	9.0	5.7	4.9	3.7	3.0	3.0	2.8
Electric, gas, and sanitary services.....	1.7	2.2	2.4	2.5	2.3	2.5	2.6
Communication.....	1.3	1.8	2.0	2.2	2.3	2.5	2.6
Mining.....	3.0	3.0	2.8	2.2	1.8	1.6	2.6
Rest of the world ¹	-	-	-	-	-	-	-

¹Gross national product is the market value of goods and services produced by labor and property supplied by residents of the United States. Gross domestic product is the value of goods and services attributable to labor and property located within the United States. It equals GNP less the "Rest of the world" which is the net inflow of labor and property income from abroad.

generally accounting for a smaller percentage of all manufactures during periods of contraction and a larger percentage during periods of expansion. In the early thirties, for example, as shown in table C, durable goods manufacturing fell to only about one-third of the total.²

Geographic distribution—In the early and middle 19th century, manufacturing activity was concentrated in the Northeast. Over the past 130 years, as shown in table D, there has been a steady decline in the proportion accounted for by the Northeastern States. Industry expanded into the north central region in the

Table C. **Total National Income and Amounts Originating in Durable and Nondurable Manufactures for Selected Years: 1929 to 1977**

Year	Gross national product ¹ (bil. dol.)	Gross domestic product ¹ (bil. dol.)	National in- come without capital consumption adjustment ¹ (bil. dol.)	National income originating in manufacturing			Manufacturing as a percent of national income (D÷C)	Durable goods industries as a percent of total manufacturing (F÷D)
				Total (bil. dol.)	Nondurable goods industries (bil. dol.)	Durable goods industries (bil. dol.)		
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	
1977.....	1,918.0	1,894.5	1,582.6	411.5	162.9	248.6	26	60
1976.....	1,718.0	1,697.5	1,413.0	366.6	149.9	216.7	26	59
1975.....	1,549.2	1,531.9	1,267.4	317.7	132.1	185.6	25	59
1974.....	1,434.2	1,414.4	1,176.8	301.4	120.6	180.8	26	60
1973.....	1,326.4	1,310.4	1,094.1	285.3	108.7	176.7	26	62
1972.....	1,185.9	1,175.0	969.9	252.3	98.3	154.0	26	61
1971.....	1,077.6	1,068.5	878.1	226.5	92.1	134.5	26	59
1970.....	992.7	985.4	814.8	215.1	87.7	127.4	26	59
1969.....	944.0	937.1	780.8	221.9	85.7	136.2	28	61
1968.....	873.4	866.7	722.7	212.7	81.6	129.4	31	59
1967.....	799.6	793.7	661.5	193.7	74.8	119.0	29	61
1966.....	756.0	750.3	627.0	189.7	72.2	117.5	30	62
1965.....	691.1	685.2	571.1	171.3	65.9	105.4	30	62
1964.....	637.7	632.3	524.2	154.2	61.3	93.2	29	60
1963.....	596.7	591.8	488.6	143.8	57.5	86.3	29	60
1962.....	565.0	560.5	463.4	136.1	55.1	81.0	29	60
1961.....	524.6	520.7	433.3	125.1	52.7	72.4	29	58
1960.....	506.5	502.9	420.8	125.1	51.9	73.2	30	59
1959.....	487.9	484.6	406.8	124.3	51.2	73.1	31	59
1958.....	449.7	446.6	373.4	107.9	45.8	62.1	29	58
1957.....	444.0	440.5	371.7	116.3	46.4	70.0	31	60
1956.....	421.7	418.5	355.7	113.2	46.3	66.9	32	59
1955.....	400.0	397.3	335.5	108.0	44.0	63.9	32	59
1954.....	366.8	364.5	307.2	94.7	39.7	55.0	31	58
1953.....	366.8	364.6	309.0	100.5	40.3	60.2	33	60
1952.....	348.0	345.7	295.5	92.6	38.3	54.3	31	59
1951.....	330.8	328.7	281.7	90.3	38.4	51.9	32	57
1950.....	286.5	284.8	244.0	76.3	33.4	42.9	31	56
1949.....	258.3	256.9	220.1	64.8	30.6	34.3	29	53
1948.....	259.5	257.9	226.7	68.8	32.9	35.9	30	52
1947.....	233.1	231.8	201.0	59.6	28.1	31.5	30	53
1943.....	192.1	191.6	171.5	58.3	19.6	38.6	34	66
1939.....	90.9	90.5	73.2	18.1	9.1	9.0	25	50
1935.....	72.5	72.1	57.6	13.4	7.3	6.1	23	46
1933.....	55.8	55.5	40.6	7.7	4.9	2.8	19	36
1932.....	58.3	57.9	43.1	7.3	5.2	2.1	17	29
1929.....	103.4	102.6	87.2	21.9	10.6	11.3	25	52

¹Gross national product is the market value of goods and services produced by labor and property of residents of the United States. Gross domestic product is the value of goods and services produced within the United States. National income is gross national product less capital consumption allowances, indirect business taxes, and business transfers plus subsidies less surplus of government enterprises.

Source: Survey of Current Business.

²Based on national income rather than gross domestic product (GDP). Industry detail for GDP is available only from 1947; whereas, industry detail for national income is available from 1929 and encompasses the very depressed period of the 1930's.

Table D. **Employment in Manufacturing Establishments by Region: 1849 to 1977**

Year	United States	North-east	North Central	South	West
Number of employees (thousands)					
1977.....	19,590	5,008	6,272	5,593	2,717
1972.....	19,029	5,306	6,135	5,221	2,367
1967.....	18,492	5,573	6,059	4,553	2,305
1963.....	16,235	5,190	5,239	3,780	2,025
1958.....	15,423	5,242	5,017	3,382	1,779
1947.....	14,294	5,429	5,109	2,710	1,054
1939.....	9,527	3,879	3,184	1,852	612
1929.....	10,198	4,246	3,516	1,758	675
1899.....	5,077	2,629	1,474	793	181
1849.....	957	696	110	146	4
Percent of U.S. total					
1977.....	100	26	32	29	14
1972.....	100	28	32	27	13
1967.....	100	30	33	25	12
1963.....	100	32	32	23	13
1958.....	100	34	33	22	12
1947.....	100	38	36	19	7
1939.....	100	41	34	20	6
1929.....	100	42	35	17	7
1899.....	100	52	29	16	4
1849.....	100	73	12	15	-

Note: Detail may not add to totals because of independent rounding. 1849 data include hand and neighborhood industries, which were excluded from the censuses of manufactures beginning with 1899.

Source: Census of Manufactures.

latter part of the 19th century and, in more recent years, displayed a marked growth in the South and West.

Size distribution—Manufacturing activity tends to be characterized by relative large-scale operations. While there are many small manufacturing plants, they account for a relatively small part of the total output of goods. As shown in table E, over half of the plants covered in the 1977 Census of Manufactures were very small, employing less than 10 workers, but they accounted for less than 3 percent of total manufacturing activity as measured by value added by manufacture. (See appendix B for definition of value added).

Table E. **Number of Establishments and Value Added by Manufacture by Size of Establishment: 1977**

(Cumulative percentage)

Employment size class	Establishments	Value added by manufacture
All establishments.....	100.0	100.0
1 to 4 employees.....	40.1	1.0
1 to 9 employees.....	53.8	2.4
1 to 19 employees.....	67.6	5.2
1 to 49 employees.....	82.3	12.2
1 to 99 employees.....	89.9	20.5
1 to 249 employees.....	96.0	36.3
1 to 499 employees.....	98.3	51.0
1 to 999 employees.....	99.3	65.8
1 to 2,499 employees.....	99.8	80.1

3. CENSUS OF MANUFACTURES—BENCHMARK STATISTICS

In the farm-oriented economy of the early 19th century, the need for industrial statistics for setting government policy, except for tariffs and taxes, was slight. A few series on physical output of commodities originated either from private sources (flour, iron, steel, etc.) or as a byproduct of tax collection or other government functions (liquors, beer, tobacco products, etc.). The only sources of information on the growing manufacturing sector were the censuses of manufactures, then taken at 10-year intervals. Today, the need for industrial statistics has greatly increased so there is now a vast array of detailed information covering virtually every measurable aspect of industrial activity including employment; payrolls; hours worked; production; prices; inventories; orders; investment in structures, machinery, and equipment; and consumption of raw materials, fuels, and water. Many of these statistics are available at frequent intervals and very promptly after the close of the accounting period. Sophisticated indicators of economic change have also been developed, such as price and production indexes and the gross national product accounts that are published at monthly or quarterly intervals.

The census of manufactures, though conducted only at 5-year intervals, still plays an essential role since no other source measures the structure of the industrial sector in such a comprehensive and detailed way.

For every manufacturing plant with one employee or more, the census obtains data on its input of labor, materials, and capital; its output of products and services; its location; and the legal form of organization of the owning firm.³

A set of summary of general statistics are developed for each establishment (that is, total employment, payroll, number of production-worker hours and wages, cost of materials, value of shipments, inventories, capital expenditures, and value added by manufacture) and aggregated by industry, by area, by employment size of establishment, by degree of product specialization within plant, and by type of ownership. Reports are published on the detailed industrial characteristics of each State and large standard metropolitan statistical area (SMSA); and overall measures of manufacturing activity are shown at the county and individual city level provided the information can be published without compromising the confidentiality of individual company data. Since census legislation guarantees confidentiality to the firms that are required to report, it is frequently necessary to suppress some aggregates. Since a significant amount of industry detail cannot be published for the 3,140 counties and county equivalents in the United States, a special computer tape on Location of Manufacturing Plants was developed to provide a complete industry-county cross-section description of manufacturing. This tape includes the number of establishments in each of the 450 industries by county or county-equivalent area, by employment size. Comparison of this complete profile between censuses is used to study shifts in the geographic dispersion of industries and the industrial structure of local areas.

³ Since 1967, some of this information for 120,000 small companies was not obtained directly but estimated from other government records. See the discussion of coverage of establishments in items 4 and 6.

The census of manufactures also facilitates the conduct of more frequent surveys on a sample basis. In fact, the present legislation specifying that censuses be conducted every 5 years authorizes an annual survey of manufactures (ASM) on a sample basis during the intervening years. The 5-year census provides the framework for selecting a new sample and the periodic universe levels to benchmark the sample estimates. The sample includes about one-fifth of all establishments. All large establishments are included in every sample; the smaller are selected proportionately to their size and are replaced at the end of each census. Thus, there is an annual updating of the census of manufactures in terms of broad measures of economic activity. The ASM contains the same basic measures of economic activity of the plant such as employment, payrolls, value of shipments, value added by manufacture, as does the census of manufactures, but obtains less detailed information on products, materials consumption, and equipment.⁴

The census of manufactures also is used to update other indicators of economic activity, especially the national income accounts. Census data on materials consumed and product output by industry are basic to the input-output matrix developed by the Bureau of Economic Analysis (BEA) for the manufacturing sector. The Federal Reserve Board's monthly Index of Industrial Production—a key indicator of current economic activity—relies on census industry and product data as benchmarks and weights to sum industries to higher levels of aggregation. The census and ASM also provide benchmarks for hundreds of monthly and quarterly surveys of commodity output conducted by the Bureau of the Census, other government agencies, and by manufacturers' associations.

4. INDUSTRY CLASSIFICATION OF ESTABLISHMENTS

Structure of the SIC System—The establishments in the census of manufactures are classified according to the SIC Manual. The SIC Manual covers the entire field of economic activities, subdivided as follows:

Industrial division	Title	Major groups
A	Agriculture, forestry, and fisheries	01-09
B	Mining	10-14
C	Contract construction	15-17
D	Manufacturing	20-39
E	Transportation, communication, electric, gas, and sanitary services	40-49
F	Wholesale and retail trade	50-59
G	Finance, insurance, and real estate	60-67

⁴Since the ASM is based on a sample, the cross-classifications by industry and by area are fewer than in the census of manufactures. At the U.S. level, statistics are published in the annual survey for practically all of the 450 industries. However, at the SMSA level, statistics are published only for 3-digit and 2-digit industry groupings. At the county level, information is published for about 10 percent of the 3,140 counties and equivalent areas. These 300 odd counties are the larger ones in terms of manufacturing activity and account for about 80 percent of total manufacturing employment. Data for cities are shown for those cities having over 20,000 manufacturing employees.

Industrial division	Title	Major groups
H	Services	70-89
I	Public administration	91-97
J	Nonclassifiable establishments	99

Below the major group level, the SIC provides for 3-digit groups and finally for 4-digit industries. To illustrate—

Division D—Manufacturing

Major Group.	Food and kindred products
Industry group 202	Dairy products
Industry 2023.	Condensed and evaporated milk

The SIC system was developed to classify establishments as distinguished from similar systems used to classify companies or enterprises. An establishment is defined as a single physical location engaged in one of the industry categories of the SIC. (See pp. 1-9 for the application of this definition to collecting data in the economic censuses.)

This SIC system is the responsibility of an intragovernmental technical committee headed by the Office of Federal Statistical Policy and Standards, formerly part of the Office of Management and Budget, but transferred to the Department of Commerce in 1977. The system is used by all Federal Government agencies engaged in the classification of establishments. Many State and local governments and business concerns also organize their own records along SIC system lines in order to facilitate comparison with federal statistics.

The first SIC Manual was issued in 1939. For the manufacturing sector, the nucleus was the set of industry classifications developed over many years for use in the census of manufactures. A revised manual was issued for the manufacturing industries in 1945 and with minor modifications, used in the 1947 and the 1954 Censuses of Manufactures. In 1957, the SIC Manual was extensively revised for manufacturing industries and the historical comparability of some data was seriously affected. The introduction and appendixes to the 1958 census volumes discuss in detail this revision and its effects on census series. Only minor revisions of the SIC Manual were made between 1958 and 1967. The next extensive revision of the SIC Manual affecting the comparability of industry data was completed in 1972. These revisions and their impact on comparability appear in appendix C of the 1972 Census of Manufactures volumes.

Structure of the Manufacturing SIC System—For manufacturing, there are 20 2-digit SIC Major Groups (20 to 39) which are subdivided in 144 3-digit SIC Groups (201 to 399) and into 452 4-digit industries (2011 to 3999). The Bureau of the Census combined some small industries in order to publish data.

Most of the 452 manufacturing industries are defined in terms of specific groups of related products. Usually the products are made of similar materials and by similar processes and many are competitive but the SIC system does not necessarily bring together products which are close substitutes

in use and competitive in markets. In determining the boundaries of industries,⁵ it is essential that each industry comprise a group of establishments that are highly specialized in making products that define the industry (primary products) and that a large proportion of all the products be made in establishments classified in the industry. While similarity of product is most frequently the determining factor in defining an industry, some industries are defined in terms of the processes or equipment used regardless of the final product of the establishment. (Example: Industry 3361, Aluminium Foundries (castings).) A small number of industries are basically defined by material used as well as final product of the plant. (Example: Industry 2521, Wood Office Furniture, and Industry 2522, Metal Office Furniture.)

There are wide differences among industries in their purity—i.e., the extent to which the establishments classified in the industry:

- a. Account for the total production of commodities “primary” to the industry.
- b. Produce products or services “belonging” to other industries (that is, secondary products).
- c. Use similar materials or processes.

These variations are frequently construed to be shortcomings. However, these limitations in the classification structure arise from the inherent complexity of our economic system and from the variation in types of production that take place in individual establishments.

While the SIC system is the basis for aggregating census data, the data collected, in turn, provide the statistical basis for periodic critical evaluation of that classification system and its revision.⁶

No general-purpose system of industrial classification can satisfy all users of census data. Some business users are interested primarily in a narrow range of products which they and their competitors produce. Others are involved in a wide range of products that move through the same marketing channel. Others seek data relating to the consumers of one or more types of materials. Some are interested only in the data for highly specialized plants; others for plants producing a “full line” of products. Those studying productivity may require data for plants using the same techniques.

The large number of SIC industries provides the analyst with the “building blocks” for making useful approximations, even if specific data cannot be developed to resolve many of these problems. A single general-purpose system of classification can

only partially satisfy these diverse needs; a point is soon reached at which the adaptation of a system to serve one use better will reduce its ability (sometimes disproportionately) to serve an alternative use.

Accordingly, users of data frequently regroup detailed SIC industries differently from the 2- and 3-digit SIC categories. The Federal Reserve Board for many years has made combinations to stress such characteristics of products as durable, nondurable, consumer, producer, finished, intermediate goods, etc. Other public and private agencies also recombine the detailed classes. The 4-digit industries are more susceptible to allocation to such categories than the 2-digit SIC groups.

Subindustries—The Bureau of the Census frequently has further classified some of the basic 4-digit SIC industries into “subindustries.” Subindustries are employed where there are wide disparities in the input-output relationships (or operating ratios) of the plants in the industry because of differences in the degree of vertical integration, technology, methods of distribution, geographic location, types of materials used, etc. In about 61 manufacturing industries, subindustries were established for editing purposes and many were regarded as significant enough to be used for publication. For example, the bakery industry (SIC 2051) is subdivided into wholesale bakeries, chain-store bakeries, home-service bakeries, and retail multioutlet bakeries; and many apparel industries (major group 23) are subclassified into manufacturers, contractors, and jobbers.

To provide a further measurement of variations with 4-digit industries, the Bureau of the Census also subclassified establishments by the degree to which they produce the primary products or specific classes of primary products of the 4-digit industry into which they are classified. This is, in effect, a subindustry classification based on the degree of product specialization which is published in table 5a of Volume II, Industry Statistics.

Definition of manufacturing—Manufacturing includes a wide range of activities as defined in the SIC Manual. Manufacturing is the mechanical or chemical transformation of inorganic or organic substances into new products. The assembly of component parts of products is also considered to be manufacturing if the resulting product is neither a structure nor other fixed improvement. These activities are usually carried on in plants, factories, or mills, which characteristically use power-driven machines and materials-handling equipment.

Manufacturing production is usually carried on for the wholesale market, for transfer to other plants of the same company, or to the order of industrial users. Typically, manufacturers do not sell directly to the household consumer, although some (for example, baking, milk bottling, etc.) sell, chiefly at retail, to household consumers through the mail, through house-to-house routes, or through salesmen. Some service-type activities (enameling, binding, platemaking, etc.) are included in manufacturing if they are performed primarily for trade; but are considered nonmanufacturing if they are performed primarily to the order of the household consumer. On the other hand, some manufacturing industries include business firms which perform only the entrepreneurial functions

⁵ Frequently, business analysts and other data users look at a group of products from more than one point of view. For example, modern high-speed computers are classified as office machines. This describes the purpose of the product. In a physical sense, however, such computers would be described as electronic devices. Similarly, paper bags, wooden boxes, glass bottles, tin cans, and steel barrels may all be classified as containers, or they may be individually grouped with other products of similar materials, such as converted paper products, wood products, glass products, etc.

⁶ See Industry Classification and Sector Measures of Industrial Production by James W. McKie, Bureau of the Census Working Paper No. 20, 1965, and Historical Comparability of Census of Manufactures Industries, 1929-1958 by Harold T. Goldstein, Bureau of the Census Working Paper No. 9, 1959.

of buying the materials and designing and marketing the product, but have the actual production done on contract (for example, apparel jobbers).

SIC classifies establishments—The SIC system is an establishment classification system, and the census of manufactures is conducted on an establishment basis. That is, a company with operations at more than one location is required to submit a report for each location. On the other hand, a company engaged in distinctly different lines of activity at one location is required to submit a separate report for each activity if the plant records permit such a separation and if the activities are substantial in size.

The requirement that distinct lines of activity at the same location be separately reported was applied only where the establishment produced and shipped significant amounts of products classified in different SIC industries. In widely varying degrees, many manufacturing establishments make products that fall into different SIC industries. Generally, the amounts involved are not significant enough to warrant the filing of separate reports, even if feasible. However, there are a number of locations at which large numbers of employees are engaged in activities defined in different industries of the SIC system. Frequently, companies organize their operations and their records separately for the diverse activities and report them as separate plants. When they do not do so on their own initiative, the Bureau of the Census requests separate reports if it appears that 100 or more employees are involved in each activity. For the most part, companies have cooperated and "split out" the different activities which would otherwise significantly distort the relationship of the industry and product statistics. Not infrequently, however, the two groups of products are made on the same production lines by many of the same employees and cannot be distinguished sufficiently in company records to provide establishment-type reporting.

The SIC system also recognizes special situations where otherwise separately classifiable activities frequently occur at one location. For example, the definition of Industry 2421, Sawmills and Planing Mills, recognizes that sawmills may include logging operations. Similarly, pulpmills operated in combination with papermills are included in one report.

Establishments included in census of manufactures—For the 1947 Census of Manufactures, the censuses have included only establishments with one employee or more. Prior to 1947, different criteria were used to determine if an establishment had to report in the census. In the censuses of 1921 through 1939, establishments with less than \$5,000 value of products were excluded. For 1899 to 1919, the limit was \$500. The change in the minimum-size criterion to an employment basis in 1947 did not appreciably affect the overall comparability of earlier census figures, except for the number of establishments.⁷

A sample survey of manufacturing plants with no paid employees was conducted in conjunction with the 1958 census. While there were nearly 52,000 establishments in this category in that year, they accounted for only about one-quarter of 1

percent of the total value of shipments of all manufacturing industries. The proportion was higher for certain industry groups such as lumber and wood products, and printing and publishing. Tabulation of IRS data for 1977 indicates that manufacturers with no paid employees continue to be of very minor importance. They contribute less than one half of 1 percent of the total value of shipments of all manufacturing industries.

Special treatment of very small establishments—Beginning with the 1967 census, an effort was made to relieve the very small establishments from the necessity of filing a census report. Approximately 120,000 small single-unit manufacturing firms identified as having less than 10 employees benefited from this procedure. Limited data on payrolls, sales, and industry classification from the administrative records of the Social Security Administration (SSA) and the IRS were made available to the Bureau of the Census for use in the 1967, 1972, and 1977 economic censuses. (These special arrangements safeguarded the confidentiality of both tax and census records.) Data other than payrolls and sales for these small establishments were estimated from historical industry ratios. The effect on industry aggregates is slight in most industries; for manufacturing as a whole, these small "administrative records" account for only 1.2 percent of the value added. Detailed product and materials data for these small establishments were not estimated; the entire value of product shipments and cost of materials was imputed to a "not specified by kind" (n.s.k.) category. If these establishments had been included in the 1972 Census of Manufactures, they were assigned the industry classifications to which they had been coded. If they had started business later, they were coded on the basis of brief descriptions of the general activity of the establishment as reported to the SSA. Where the description is incomplete or there are relatively fine lines of demarcation between industries or between manufacturing and nonmanufacturing activity, the code assigned to an establishment could differ from that which would have been assigned on the basis of more complete product information. Therefore, the Bureau of the Census conducted a special classification survey in order to clarify the industry codes of some of the establishments in the administrative record file. All establishments without specific 4-digit codes and those where there could be significant misclassification between manufacturing and other sectors were sent such a questionnaire. Nevertheless, the total establishment counts in most industries should be viewed as approximations rather than precise measurements. The counts for establishments with 20 employees or more are far more reliable than the total number of establishments.

Auxiliary units—Manufacturing requires a wide range of diverse support activities. These activities include movement to the manufacturing plant, storage, the operation and maintenance of plant and equipment, the design of flow of work through the production process, and necessary arrangements for shipment of output to customers. Also included are a host of subsidiary activities associated with the operation of an establishment (for example, management and policy formation, product and market orientation, engineering and quality control,

⁷ This point is discussed at greater length in the Introduction to the 1947 volumes.

recordkeeping and accounting, physical security of plant and equipment, and the like).

Support and subsidiary activities may be performed by personnel located at the manufacturing establishments or at a separate location serving one or more manufacturing locations of the same company. These separate locations are referred to as administrative offices and auxiliaries, where these activities are carried on at a different physical location or are performed for more than one plant, they are excluded from the figures for operating manufacturing establishments and are included in the data shown for administrative offices and auxiliaries. (See the description of the questionnaire used for these establishments, form NC-X6, in item 7.)

Border-line activities—The following types of activities, while having some of the characteristics usually found in manufacturing, are considered as nonmanufacturing and, therefore, are excluded from the census:

- a. Processing on farms when the raw materials are grown on the farm and the manufacturing activities (poultry dressing, milk and butter production, logging, etc.) are on a small scale without extensive use of paid labor. Also custom milling, egg hatching, cotton ginning, and similar activities closely associated with agriculture are excluded.
- b. Mineral preparation such as the crushing, screening, and concentrating of ores. However, mining performed as a secondary activity in conjunction with manufacturing is included in the census unless a separate report for the mining activity was filed; for example, stone and clay mining at cement, lime, and clay products plants.
- c. Custom work to the individual order of household consumers. Examples are custom tailoring, woodworking, lettering on monuments, setting of diamonds, and the making of orthopedic appliances.
- d. Repair and other service activities, except specified services performed "for the trade." Repair shops of railroads are also excluded.
- e. Production of coke "for own use" by establishments owned by public utility companies.

Census establishment-based data measures manufacturing as primary activity. In the census of manufactures, no attempt is made to measure the extent of manufacturing at locations which are not primarily manufacturing plants, such as retail establishments which sell most of their products on the premises directly to household consumers (retail bakeries,⁸ ice cream stores, etc.), or manufacturing by construction contractors at the site (for example, production of paving mixtures).

Conversely, it is not unusual for manufacturing establishments to engage also in some nonmanufacturing activities such as repair work, merchandising of products without further processing, and installation work. Ordinarily, these nonmanufacturing receipts are small in relation to the manufacturing

activities and, therefore, it is not difficult to determine that the establishments should be included in the manufactures area. However, if the nonmanufacturing activities account for a significant proportion of total receipts of an establishment, the classification of that establishment into the appropriate major economic sector is more difficult.

In the economic censuses, an establishment engaged in a combination of manufacturing and merchandising is assigned either to the manufacturing or the trade industries depending on which of these activities was estimated to account for the larger share of its "value added" or "income produced." This criterion, even though based on approximation, was considered preferable to treating each dollar of receipts from each type of activity equally in determining the primary industry, since manufacturing requires considerably more worker-hours, salaries and wages, and capital inputs per dollar of receipts than either wholesaling or retailing. However, in classifying establishments engaged in manufacturing and also in mining, repair work, installation, construction, or other nonmanufacturing services, dollar receipts were used as the basis of classification because these activities require substantially comparable input per dollar of receipts.

Product codes—The SIC coding system is designed to describe industries and operates in such a way that the definitions become progressively narrower with successive additions of numerical digits. There are 20 very broad 2-digit groups, 144 3-digit groups, and 452 4-digit industries. Based on the SIC Manual, the Bureau of the Census has developed a product coding system along similar lines which contains about 1,500 5-digit product classes and approximately 13,000 individual 7-digit products. (See "the classification of products and materials" below.) The 7-digit products and 5-digit product classes are considered the primary products of the industry with the same first four digits as the product code. For example, the 7-digit product code number 2023212 refers to canned evaporated milk. The first five digits of this code number, 20232, refer to the "product class" canned milk, and the first four digits, 2023, refer to the industry in which these products are made (the condensed and evaporated milk industry). The same system is applied to the coding of materials. The first four digits of a material code (for example, the code number 024111, whole milk used as a material) describe the industry that produces it; e.g., 0241, agricultural industry, dairy farms.⁹

This SIC-based system is simpler than other systems for the coding of industrial products and materials used, since there is a direct numerical relationship between commodities and industries. Complications occur in the few SIC industries defined in terms of processes or equipment used as well as products made. As an example, women's sweaters are produced in knitting mills (industry 2253) and also in cut-and-sew shops (industry 2339). To retain the industry-of-origin concept, therefore, it is necessary to assign different product code numbers to women's sweaters, depending on where they are made.

The SIC-based commodity classification is used in the Bureau of the Census' entire industrial statistics program, including

⁸ Separate data for retail bakeries with baking on the premises were included in the retail census publications.

⁹ See tables 6a and 7 in volume II.

monthly, quarterly, and annual surveys, and also in the census of wholesale trade. The Bureau of the Census also publishes data on imports and exports in terms of SIC-based categories as well as the traditional Schedule B and TSUSA systems.¹⁰

Primary and secondary products of establishments—An establishment is classified in a particular industry if its production of the primary products of that industry exceeds in value its production of products of any other single industry. The industry code assigned to the establishment is derived from a summation of values for 7-digit product codes to their 4-digit industry and the selection of the largest 4-digit value as the establishment's industry classification. However, as mentioned earlier, the industry classification of an establishment may be determined not only by the products it makes but also by the processes employed or materials used in making those products.

While some establishments produce only the primary products of the industry in which they are classified, it rarely happens that all the establishments in an industry specialize to this extent. Therefore, the general statistics (employment, payrolls, inventories, value added by manufacture, total value of shipments, capital expenditures, etc.) shown for an industry (tables 1 to 4, Volume II, Industry Statistics) encompass not only the primary activities of the establishments in that industry but also their secondary activities. On the other hand, the product statistics in tables 5a and 6a of the industry chapters measure the total output of specific products whether they are produced by establishments classified in the same industry as the product or not. For this reason, in relating the general statistics of an industry, especially the industry total value of shipments (tables 1 to 4 in Volume II, Industry Statistics), to the product statistics (table 6), the composition of the industry's output as shown in tables 5b and 5c should be considered. Table 5c is a matrix table in which the columns break down industry shipments into primary and secondary products and "miscellaneous receipts." The rows of the table show the amount that each industry produced of a given product class.

The extent to which industry and product statistics may be matched with each other is measured by the two ratios shown in table 5b which are computed from table 5c. The first of the ratios, called the primary product specialization ratio, is the proportion of product shipments (both primary and secondary) of the industry made up of primary products. The second, defined as the coverage ratio, is the proportion of primary products shipped by the establishments classified in the industry to total shipments of such products by all manufacturing establishments.

Degrees of integration—In many industries, establishments use a wide variety of processes and materials to make the products of the industry. An industry classification based on end products may include establishments which are vertically integrated and those which put only the finishing touches on an already highly-fabricated purchased item. For example, in the refrigeration industry, there are some establishments that are

almost completely integrated, producing the compressor and condensing unit, electric motor, and even the castings for those intermediate products, as well as the stamping of the case and the final assembly. In other plants, the condensing unit, the motor, and the case may be purchased and merely assembled into the finished product.

In some instances, nonintegrated plants have been placed in separate industry categories from the integrated plants. In many industries, the census provides separate statistics on departmental operations or on the production of intermediate commodities made and used in the producing plant. When an industry includes plants which ship a significant proportion of their output to other plants of the same company, separate figures are usually shown on the interplant transfers.

These differences in the integration of production processes, types of operations, and types of materials used, should be taken into account when relating the general items (employment, payrolls, value added, etc.) to the product and materials data. Where integrated operations are of consequence in an industry, that fact is pointed out in the explanatory text.

Industry code resistance—The production of many establishments is so evenly divided among two or more industry-determining product groups that the industry codes could change from year to year (industry codes can be based on less than half of the total value if there are three or more groups). In the ASM, plants had always been prevented from shifting back and forth among industries due to minor shifts in product mix in the years between censuses by the application of a "resistance formula" in assigning industry classifications. In census years, such resistance was not applied.

A resistance formula of the ASM type was first used in the 1963 Census of Manufactures. In the 1977 census, the formula was applied only to establishments included in the 1976 ASM sample panel with certainty (that is, included with a probability of "1"). In general, these certainty cases were establishments of companies with at least one manufacturing plant with 250 employees or more.

The formula recognizes the conflicting need to maintain continuity in the establishment composition of an industry to measure change and the need to allow establishments to be reclassified to measure the current composition of the industry.

In the 1977 census, the industry classification of a certainty establishment was allowed to change from that assigned in 1976 under one of the following conditions:

- a. The value of the 1977 primary products constituted 60 percent or more of its total value of product shipments.
- b. The value of the 1977 primary products, while less than 60 percent of the total, was at least twice the value of products which had determined the 1976 industry code.
- c. The value of the 1977 primary products, while not meeting either of the two above conditions, had been the largest group of products for at least two years, i.e., exceeded the value of the 1975 primary industry's products in both 1977 and 1976 by at least 20 percent.

¹⁰ Schedule B is the U.S. export classification while TSUSA is applied to imports.

Table F. Value Added by Manufacture for Regions, Divisions, and States: 1977

Region, division, and State	Value added by manufacture (million dollars)	United States, total (percent)	Region, division, and State	Value added by manufacture (million dollars)	United States, total (percent)
United States ¹	585,165.6	100.0	South Region--Con.		
Northeast Region.....	138,746.4	23.7	South Atlantic Division--Con.		
New England Division.....	35,586.9	6.1	West Virginia.....	3,880.2	.7
Maine.....	2,343.0	.4	North Carolina.....	18,230.6	3.1
New Hampshire.....	2,174.7	.4	South Carolina.....	8,186.1	1.4
Vermont.....	1,050.1	.2	Georgia.....	12,548.8	2.1
Massachusetts.....	16,348.6	2.8	Florida.....	9,255.1	1.6
Rhode Island.....	2,736.6	.5	East South Central Division.....	36,234.3	6.1
Connecticut.....	10,933.9	1.9	Kentucky.....	9,545.7	1.6
Middle Atlantic Division.....	103,159.5	17.6	Tennessee.....	12,663.4	2.2
New York.....	44,289.8	7.6	Alabama.....	8,405.9	1.4
New Jersey.....	22,852.8	3.9	Mississippi.....	5,619.3	1.0
Pennsylvania.....	36,016.9	6.2	West South Central Division.....	52,112.5	8.9
North Central Region.....	200,889.8	34.3	Arkansas.....	4,881.6	.8
East North Central Division.....	160,223.4	27.4	Louisiana.....	9,418.3	1.6
Ohio.....	43,054.7	7.4	Oklahoma.....	4,662.3	.8
Indiana.....	22,717.6	3.9	Texas.....	33,150.3	5.7
Illinois.....	40,279.1	6.9	West Region.....	84,910.6	14.5
Michigan.....	37,566.0	6.4	Mountain Division.....	13,620.4	2.3
Wisconsin.....	16,606.0	2.9	Montana.....	847.3	.1
West North Central Division.....	40,621.3	6.9	Idaho.....	1,430.0	.2
Minnesota.....	9,605.2	1.6	Wyoming.....	380.8	.1
Iowa.....	8,684.4	1.5	Colorado.....	4,471.8	.8
Missouri.....	13,041.9	2.2	New Mexico.....	733.5	.1
North Dakota.....	473.3	.1	Arizona.....	3,332.9	.6
South Dakota.....	611.6	.1	Utah.....	1,974.0	.3
Nebraska.....	2,867.1	.5	Nevada.....	495.2	.1
Kansas.....	5,337.8	.9	Pacific Division.....	71,245.1	12.2
South Region.....	160,581.7	27.4	Washington.....	8,955.0	1.5
South Atlantic Division.....	72,304.3	12.4	Oregon.....	6,138.0	1.0
Delaware.....	1,595.7	.3	California.....	54,862.4	9.4
Maryland.....	7,115.6	1.2	Alaska.....	504.2	.1
District of Columbia.....	610.2	.1	Hawaii.....	785.5	.1
Virginia.....	10,882.0	1.9			

¹Total value added differs slightly from summation of the individual States since a few establishments that could not be accurately coded to a State are included in the United States total.

5. GEOGRAPHIC CLASSIFICATION

Census divisions and regions—The 1977 Census of Manufactures measures industrial activity at the State, county, city, and standard metropolitan statistical area levels. In prior censuses, similar information was also provided for the traditional nine geographic divisions (e.g., New England, Middle Atlantic, etc.) and the four geographic regions (northeast, south, north central, and west).

The presentation of data for individual industries and industry groups at all these geographic levels has always created serious problems in protecting the confidentiality of individual company data. Consequently, it has frequently been necessary to set priorities as to what will be published (see item 21). In the past, the preference was given to publishing data for the broad geographic regions over States leading to greater suppression of industry detail at the State level. In recent years, there has been increasing interest in State information in preference to the broader regions. As a result, the 1977 Census of Manufactures gave first precedence to publishing State figures. A decision was also made to forego publication of any divisional and regional totals. This was desirable to avoid suppressing industry detail in one State that could have been published, in order to protect data for another State in the same division, that had to be

suppressed to preserve the confidentiality of a respondent's figures.

Thus, some summary tables for the nine geographic divisions and four regions that were published in prior censuses do not appear in this volume, of the 1977 census of Manufactures. (See table F for 1977 value added data for regions, divisions, and States.)

Standard metropolitan statistical areas—In addition to the data for the legally constituted geographic units (States, counties, and cities), all manufacturing totals are shown for approximately 280 SMSA's.¹¹ In the 1977 tables, detail for 2-, 3-, and 4-digit industries is shown for an SMSA if data for individual companies would not be disclosed, and the industry had at least 250 manufacturing employees. These are the same criteria as those used in the 1972 census. In censuses prior to 1967, detail had not been shown for SMSA's with under 40,000 total manufacturing employment, and only industry group figures were shown for SMSA's with 40,000 to 190,000 employees.

SMSA's are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of

¹¹ See appendix A for a description of each SMSA.

Table G. The 50 Largest SMSA's Ranked by Value Added by Manufacture: 1977 and 1972

Standard metropolitan statistical area	Number of employees (thousands)	Value added by manufacture (mil. dol.)	1977 rank	1972 rank	Standard metropolitan statistical area	Number of employees (thousands)	Value added by manufacture (mil. dol.)	1977 rank	1972 rank
Chicago, Ill.....	884.3	27,542.1	1	1	Indianapolis, Ind.....	124.0	3,922.2	27	26
Los Angeles-Long Beach, Calif.....	825.5	24,701.8	2	2	Gary-Hammond-East Chicago, Ind.....	98.2	3,517.6	28	30
New York, N.Y.-N.J.....	796.6	19,878.3	3	3	Dayton, Ohio.....	106.5	3,261.0	29	29
Detroit, Mich.....	564.6	18,149.9	4	4	Toledo, Ohio-Mich.....	92.7	3,203.0	30	35
Philadelphia, Pa.-N.J.....	451.8	13,429.6	5	5	Denver-Boulder, Colo.....	106.4	3,068.5	31	36
Houston, Tex.....	210.1	9,844.4	6	11	Providence-Warwick-Pawtucket, R.I.-Mass.....	140.0	3,040.4	32	33
St. Louis, Mo-Ill.....	248.7	8,342.0	7	8	Portland, Ore.-Wash.....	99.4	2,951.6	33	40
Cleveland, Ohio.....	265.4	8,105.9	8	7	Columbus, Ohio.....	96.2	2,969.4	34	32
Newark, N.J.....	255.5	7,870.8	9	6	New Brunswick-Perth Amboy-Sayreville, N.J.....	80.5	2,945.2	35	31
Dallas-Fort Worth, Tex.....	269.9	7,869.1	10	13	Allentown-Bethlehem-Easton, Pa.-N.J.....	106.8	2,731.8	36	37
Boston, Mass.....	267.7	7,469.1	11	9	Beaumont-Port Arthur-Orange, Tex.....	38.3	2,626.3	37	(¹)
San Francisco-Oakland, Calif.....	193.3	6,817.2	12	14	Youngstown-Warren, Ohio.....	79.5	2,620.2	38	38
Rochester, N.Y.....	144.4	6,732.4	13	10	Grand Rapids, Mich.....	82.6	2,582.2	39	41
Pittsburgh, Pa.....	239.7	6,478.4	14	12	Phoenix, Ariz.....	84.6	2,558.6	40	44
Milwaukee, Wis.....	204.1	6,408.8	15	16	Hartford, Conn.....	87.0	2,317.0	41	43
Minneapolis-St. Paul Minn.-Wis.....	216.9	6,408.0	16	15	San Diego, Calif.....	79.1	2,173.9	42	49
San Jose, Calif.....	181.4	6,205.7	17	22	Memphis, Tenn.-Ark.-Miss.....	64.1	2,159.7	43	45
Cincinnati, Ohio-Ky.-Ind.....	160.2	5,645.9	18	17	Greenville-Spartanburg, S.C.....	104.8	2,129.7	44	42
Anaheim-Santa Ana-Garden Grove, Calif.....	177.5	5,280.9	19	23	Baton Rouge, La.....	24.1	2,075.5	45	(¹)
Baltimore, Md.....	165.9	5,169.5	20	18	Syracuse, N.Y.....	57.8	2,017.7	46	48
Buffalo, N.Y.....	140.3	4,735.5	21	19	Akron, Ohio.....	83.5	2,014.2	47	39
Louisville Ky.-Ind.....	106.9	4,440.7	22	20	Richmond, Va. ²	53.4	1,992.6	48	(¹)
Nassau-Suffolk, N.Y.....	155.9	4,370.3	23	25	Jersey City, N.J.....	72.2	1,983.4	49	34
Atlanta, Ga.....	128.7	4,222.8	24	27	Nashville-Davidson, Tenn.....	80.5	1,935.3	50	(¹)
Seattle-Everett, Wash.....	131.9	4,161.0	25	28					
Kansas City, Mo.-Kans.....	117.8	4,119.9	26	21					

Note: The Flint, Mich., SMSA, falls within the top 50 SMSA's but is excluded from this table to avoid disclosing figures for individual companies.

¹Not in the top 50 SMSA's.

²New Kent County added in 1977.

the area.^{1,2} Each area (except in New England) consists of one whole county or more. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas for general-purpose use in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's, but on a city and town basis, because towns are regarded as the significant unit in this region of the country.

The requirement that each SMSA consist of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more

accurately defined in terms of smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis. Periodically, the SMSA's are redefined. While some changes can be made at any time, if there are serious reasons, the major restructuring of SMSA's occur after each census of population is completed. Appendix F describes the current SMSA's and the changes since 1972.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the areas title may include one or two additional city names.

Value added by manufacture in all SMSA's accounted for 79 percent of the U.S. total in 1977. The relative importance of the 50 largest SMSA's in 1977 and their rankings in the 1972 and 1967 censuses are shown in table G.

Standard consolidated statistical areas (SCSA's)—In many highly urbanized areas of the country, SMSA's tend to border on one another. For some purpose, it was desirable to treat them as one geographic area and the SCSA's were developed. Each SCSA includes two or more contiguous SMSA's which meet specific criteria of size, urban character, integration, and contiguity of

^{1,2}Each SMSA must include either (1) a city with 50,000 or more inhabitants, or (2) a city having a population of at least 25,000 which (a) with the addition of the population of contiguous places has a population density of at least 1,000 persons per square mile; (b) constitutes, for general economic and social purposes, a single community with a combined population of at least 50,000; and (c) includes a total population of at least 75,000 in the county or counties in which the city and contiguous places are located.

urbanized areas. As with the SMSA's, the SCSA's are defined by the Federal Committee on SMSA's of the Office of Management and Budget. Their number has increased from two in the 1972 census to 13 for 1977. All manufacturing totals appear in table 4 of each State chapter. Data for 2-, 3-, and 4-digit industries with 250 manufacturing employees or more are published in table 6.

Industrial counties—In addition to industry statistics for SMSA's, table 7 of each State report presents data by county for each

industry group (2- and 3-digit) and industry (4-digit) that had at least 450 manufacturing employees if it would not disclose figures reported by individual companies.

Cities with 450 manufacturing employees or more—Summary totals and industry detail at the 2-, 3-, and 4-digit levels are shown for individual cities with 450 manufacturing employees or more, provided the data do not disclose information for individual companies.

II. Methods

6. PLANNING AND PREPARATION

General—The Bureau of the Census has an obligation to meet public needs for timely and reliable information while holding costs and the burden on respondents to a minimum. During the planning stages of each economic census, the advice of trade and professional associations, Federal and State government agencies, individual companies, labor unions, and research and educational organizations is sought in an effort to reach both the users of data and the respondents who supply the basic figures. Simultaneously, the problems encountered in the previous censuses are studied, and improved methods of collection, processing, and tabulation are explored.

Mailing lists—Beginning with the 1954 economic censuses, the basic mailing lists have been obtained from IRS and SSA records. These records were also sampled to develop statistics for retail and service establishments with no employees. After the 1963 censuses, feasibility studies indicated that greater use could be made of the data in the IRS-SSA records. In the 1967 censuses, over 2,000,000 firms were exempted from the filing requirement, including 120,000 small manufacturers. Instead, census-type statistics for this group were developed from IRS-SSA records. In close cooperation with IRS and SSA, specific procedures for the use of individual tax returns that assured confidential treatment of them were developed and set forth in Executive Order No. 10911, dated January 17, 1961, and Treasury Decision No. 6547 of the same date. The records used were business income tax returns (IRS forms 1040C, 1065, 1120, and 1120S) and payroll tax returns (IRS form 941). The name and address, payrolls, and gross business receipts were obtained from these reports, in addition to the SIC industrial activity code assigned by SSA. Other census statistics for these small firms were imputed using industry average ratios of the data item to payrolls and sales.¹³

This procedure was repeated in the 1972 and 1977 economic censuses. In 1972, there was a concerted effort by the Bureau of the Census to improve the industry coding of the adminis-

trative record by mailing a nature-of-business inquiry to establishments whose industry codes could have been affected by the 1972 revision to the SIC Manual. A similar effort was made in 1977 to clarify the classification of firms which SSA had not been able to code precisely.

Content of questionnaires—As in previous censuses, the content of the 1977 questionnaires was developed in consultation with a large number of organizations and individuals, representing both the manufacturers who supply the data and those who use the statistics. Those consulted included Government agencies, individual firms, labor unions, the American Statistical Association, the American Economic Association, the American Marketing Association, the National Association of Manufacturers, and all National Manufacturers' Associations covering specific industries.

Many individual manufacturers and their trade associations were consulted about the content of the sections of the report forms dealing with the output of specific products. Drafts of the proposed 1977 product sections were circulated among 800 trade associations and about 4,000 manufacturing companies, both large and small. These draft report forms included new product detail reflecting suggestions received by the Bureau of the Census after the 1972 canvass. Small items (those valued at \$7.5 million or less) were not retained in the list unless they were needed to assure correct classification of other products or were of strategic importance. A restriction was placed on proposals for additional detail; it was stipulated that the 1977 value of any new product category should exceed \$20 million. The manufacturers were requested to comment specifically on the availability of the data requested in their ordinary records, and the appropriateness of the product descriptions and units of measure.

The thousands of comments and suggestions received in this clearance procedure and the decisions reached were forwarded to the Office of Federal Statistical Policy and Standards, along with the product sections developed by the Bureau of the Census as a result.

A final review was made by the Office of Federal Statistical Policy and Standards with the assistance of the Advisory Council on Federal Reports. The latter organization is a group of business executives such as controllers, economists, and market research directors, representing a cross section of all industries.

¹³ As discussed elsewhere in this introduction, the amount of imputation introduced by this procedure was only about 1 percent of the overall totals.

7. REPORTING FORMS

A representative selection of the reporting forms used in the census is reproduced in appendix D. The users of each of them are discussed below.

General forms—These forms were used in the economic censuses, generally, either as companywide reports or as reports for establishments whose classification was not known precisely in advance of mailing.

NC-X1, Report of Company Organization—This companywide report was used prior to mailing the 1977 census questionnaires to develop the directory of establishments operated by multiunit companies. A more detailed account of their use is given in Section 8, The Mailing Lists.

NC-X2, Listing of Additional Establishments—This form was included with the census of manufactures forms mailed to multiestablishment companies in order to obtain a list of establishments that were acquired after the NC-X1A was filed. These additional plants were classified, added to the NC-X1A directory list, and mailed the appropriate 1977 economic censuses report forms. Plants under construction but not in operation were requested to report the value of construction put in place during 1977 and the total gross book value of assets in place at the end of the year.

NC-X3, General Schedule—This questionnaire was designed to obtain information from small companies for which the industry code available in the SSA records was not precise enough to indicate which one of the standard census questionnaires should be mailed. The information provided on form NC-X3 was used to classify these companies by industry and tabulate their data in the appropriate census.¹⁴

NC-X6, Administrative Offices or Auxiliary Establishments—Many multiunit companies maintain separate establishments to provide centralized administrative management, or other supporting services for other establishments of the same company, but not for the general public or other companies. They were asked to complete form NC-X6 for those establishments. The form contained questions on the approximate number of employees engaged in such functions as centralized administration, research and development, warehousing, and other auxiliary activities, and on the cost of research and development work performed by these nonmanufacturing establishments. The respondent was also asked to describe the industry activity of the operating establishments serviced by the centralized office or auxiliary unit reporting on form NC-X6.

NC-K1, Company Summary Report—Each multiunit company with 250 employees or more received a form NC-K1, Company Summary Report, in addition to a specific questionnaire

for each establishment. The NC-K1 requested consolidated company totals for receipts, new capital expenditures, inventories, and fixed assets, which are published as part of the Bureau of the Census' Enterprise Statistics Program described in section I.

Census of manufactures forms—The questionnaire reproduced in the appendix, form MC-36B, is typical of the approximately 200 forms used for operating manufacturing establishments. Each of these forms was designed to be used for a specific group of industries. Since it is desirable to retain comparability in the annual survey of manufactures for establishments reporting in the sample, form MA-100 was substituted as the front sheet of the census form (e.g., MC-36B) to collect the information common to all industries. Whether or not form MA-100 was used, the inquiries on the 200 forms were identical except for the detailed questions on products shipped, materials used, and miscellaneous topics such as operations performed, equipment used, and delivery of products.

Short forms—Some industries include a large number of small-to medium-sized firms that account for a significant portion of the industry's output. Usually, these firms are not so small that the limited data in the administrative record files would meet the needs of the census. To obtain sufficient data, yet hold the reporting burden down for these smaller firms, special abbreviated short forms were designed. They obtain the key input and output statistics without the detail requested on the standard forms. A sample form is included in appendix D.

Annual survey of manufactures forms—Form MA-100 is the establishment report used in the ASM since 1949 (with modifications). The establishment's 1976 data were imprinted on the report form before mailing, thus aiding the respondent in following the instructions for the census. Item 11-A, "value of products shipped and other receipts," on form MA-100, corresponds to item 18 on the census forms such as MC-36B.

In years between censuses, the ASM collects data for broad classes of products; whereas, every 5 years, in the census, item 18 calls for information on individual product shipments.

Other related forms—Form CB-50F, Census of Distributive Trades Electrical Goods, which is reproduced in appendix D, is typical of the several forms used for wholesale establishments in the census of business. Some manufacturers operate their own wholesale establishments which the Bureau of the Census classifies as "manufacturers' sales branches and sales offices." The wholesale forms differed only in the kinds of products sold as listed in item 10. Item 18 provides the information needed to classify the establishment as a sales branch or sales office.

MC-171, Department of Defense Establishments, and MC-D4, Penal Institutions—These forms were used to collect information on government-owned and government-operated manufacturing establishments. They were used for two types of establishments:

¹⁴The use of form NC-X3 is also discussed in item B, Mailing Lists.

- a. Manufacturing facilities owned and operated by the Department of Defense.
- b. Prison industries (Federal, District of Columbia, and State).

The data were prepared with the cooperation of the Department of Defense, the Department of Justice, and the District of Columbia and State prison systems. For Department of Defense installations, information was provided on employment, worker-hours, payrolls, cost, and value of work done, by industry group and by State. For prison industries, however, only product data were requested. The data are presented in a special report included in volume I and are not included in the totals for operating manufacturing establishments.

8. MAILING LISTS

General—As discussed in item 6, the list of respondents for 1977 was obtained from IRS-SSA records. Since the IRS-SSA lists consist essentially of the names and addresses of companies rather than establishments,¹⁵ it was necessary to follow separate procedures for multiunit companies (those operating at more than one location).

The prec canvass—Multiunit companies were required to file at least one establishment report¹⁶ covering each location. In order to mail the appropriate questionnaires, it was necessary to determine the type of activity at each location operated by multiestablishment companies. The Bureau of the Census has conducted an annual update of its directory of establishments operated by large companies in which Report of Company Organization (form NC-X1)¹⁷ is mailed each year to multiunit companies.

All of these forms consist of a report on company affiliation and a list of the domestic establishments operated by the company. The company's establishments as identified in census records are prelisted and the respondents are asked to correct this list. They are also asked to describe new establishments not prelisted and indicate their approximate size.

Large multiunit companies are segregated for special handling because of possible overlaps and duplication. Many of these companies are active in retail and wholesale trade as well as in manufacturing. The reporting instructions are reviewed in discussions with officials of the accounting departments of

many of these firms to make certain that the procedure is understood and the establishments are properly described on form NC-X1.

Single-unit companies—The mailing lists for single-unit companies (those operating at only one location) were developed from an initial control file assembled from IRS and SSA records. Out-of-scope companies (those whose activities were not to be surveyed in the economic censuses) and those identified as multiunits in the multiunit directory were removed. A special survey of out-of-scope companies with more than 50 employees was conducted, in some industries, to make certain they should not be included in the census. Some names were added to the mailing list as a result. Single units with over 150 employees were mailed form NC-X1 to determine if they were multiunits.

The final step was to identify the small companies which were not to be mailed because census-type statistics were to be developed from administrative records. The remaining records constituted the mailing lists for single-unit companies.

General schedule—While these lists generally contained adequate industry information to determine the proper form for mailing, a number of the records did not have precise industry information associated with them. Form NC-X3, General Schedule, which is reproduced in appendix D was mailed to these companies. Since it was assumed that these companies were quite small, only a few key figures were requested. The completed reports were coded and included in the tabulations. If form NC-X3 indicated that the company was actually large, it was later requested to file one or more of the appropriate standard questionnaires.

9. COVERAGE AND ACCURACY

Since the list of companies obtained from IRS and SSA records was considered to be complete, no field coverage check was conducted. The prec canvass and other special procedures for multiunit companies described in item 8, Mailing Lists, and item 11, Data Collection, were designed to secure complete lists of establishments; thereby simplifying the IRS-SSA company list. Control totals, in terms of employment and payrolls of multiunit companies, were also used to verify the completeness of establishment coverage.

It was possible to compare statistics tabulated from the census of manufactures with the Bureau of the Census' Current Industrial Reports Series, or with data originating with other agencies and, thus provide a further confirmation of completeness and accuracy. These figures range from employment and wage totals compiled by the Bureau of Labor Statistics to detailed commodity output figures published by the IRS, the Fish and Wildlife Service, and the Department of Agriculture. In the industry reports in volume II, differences between the census of manufactures and other statistics are explained wherever possible. Census of manufactures comparability with broad measures such as national income, new capital expenditures, and production indexes are discussed elsewhere in this introduction. The Bureau of the Census' other procedures designed to improve the accuracy of the census data are discussed above in the items on data collection and processing.

¹⁵The SSA records for multiunit companies identify "reporting units," which in many instances correspond to census establishments. The differences are such, however, that it was found necessary to obtain up-to-date lists of establishments as described in this section. Also, the Bureau of the Census concept of a company differs from the IRS-SSA definition, since the census company includes all establishments under common ownership or control. In the IRS-SSA records, subsidiary corporations are often treated as independent companies.

¹⁶If two or more distinct lines of activity were carried on at one location, separate reports were obtained under some circumstances. (For a complete discussion, see "Establishment Basis of Reporting" in section 4.)

¹⁷This form is reproduced in appendix D.

A discussion of the valuation of intracompany shipments by multiunit companies is included in item 15.

10. GEOGRAPHIC CODING

Accurate and complete information on the physical location of each establishment is required in order to tabulate the census data by standard metropolitan statistical areas, counties, and cities. As in previous censuses, the post office address and ZIP code of the establishment were not always accepted as defining the physical location, but respondents were required to describe the actual location in terms of street address; city, town, or village; county; and State. For establishments located in rural territory, the name or number of the nearest highway was requested and the distance from the nearest town or other urban place.

In censuses prior to 1963, clerks assigned geographic code numbers to each establishment based on the description furnished by the respondent. This process was slow and required careful verification. Beginning with 1963, a computerized system was developed which assigned an area code number and a prefix symbol to the mailing address before the questionnaires were mailed. The prefix symbol indicated whether or not the mailing address was clearly acceptable as describing the physical location. If there was any question about its acceptability, the respondent's description was later carefully reviewed after the questionnaire was received. The assignment of tentative code numbers by the computer was based on extensive reference files containing nearly a million business names and addresses.

11. DATA COLLECTION

Although the greater use of administrative records in 1977 substantially reduced the number of companies canvassed directly, there remained nearly 2 million which were required to file, including about 205,000 manufacturers. Small manufacturers, for whom the administrative records sufficed, numbered about 145,000. The assembly of several hundred different questionnaires into mailing packages correctly labeled and coded, combined with the correct instruction booklets, was an extensive operation.

Most of the 1977 questionnaires were mailed by mid-January 1978 with a due date of February 15. The collection phase was completed by late July 1978.

Companies which did not return their questionnaires by the due date had to be reminded that their returns were overdue. In all, there were five routine followups. Telephone calls were made to the large companies to help with reporting problems and to request that the forms be completed and returned.

Estimates based on data from administrative records were included in the census tabulations for the relatively small number which had not responded by the closeout date in July 1978. Thus, reported or estimated data for all companies and establishments in the original mailing list (except those

determined to be inactive during 1977) were included in the final statistical results. A special effort was made to obtain actual returns from all large firms, so that the dollar volume of business represented by proxy returns was relatively very small.

12. DATA PROCESSING

General—The editing,¹⁸ coding, and tabulation of data for the 5 million establishments represented in the 1977 economic censuses was a complicated task. Automatic data processing and other advanced techniques were used in all phases.

The questionnaires were mailed from and returned to the Bureau of the Census office at Jeffersonville, Ind., where most noncomputer (that is, clerical) processing operations were performed. The returns were screened to identify major problems that could be resolved by routine correspondence with respondents. Acceptable data were placed on a key-to-disc system, and the encoded data sent to Washington, D.C. on a high-speed transmission system. The Washington, D.C. staff handled computer operations and all operations in connection with the use of IRS and SSA records.

Preliminary screening—After they were checked in and assigned geographic codes, the questionnaires were reviewed clerically to see that they conformed to certain minimum requirements before further processing. For multiunit companies, the sum of employment and payrolls reported on its establishment questionnaires was compared with the control totals received on IRS form 941. Questionnaires received on single-unit forms were reviewed to ascertain whether they had become multiunits through merger or acquisition. Questions arising in the screening operation were resolved by writing or telephoning the respondents. Complex problems were referred to the Washington, D.C. professional staff.

Computer editing—As in the 1972 Census of Manufactures, most of the review for consistency among data items and completeness was done on the computer. Average values and tolerance limits for key operating ratios (for example, cost of materials per dollar of shipments, payroll per employee, production-worker wages per hour, etc.) played a fundamental role in the editing process. More than half of all 4-digit SIC industries had one or more data cells changed by more than 5 percent as a result of the application of these programs.

A detailed description of the step-by-step processing procedures appears in the Bureau of the Census publication, *History of the 1977 Economic Census*. This volume describes the procedures followed in both the centralized overall processing and in the individual censuses such as manufactures.

¹⁸In data processing, the term "editing" means the review of information collected on questionnaires or from other sources, with the objective of locating and correcting erroneous entries.

III. Comments on Statistical Measures and Tables

(Explanations and definitions of the various measures of activity for which statistics are compiled in the census of manufactures are presented in appendix B. In the following text, the limitations and other characteristics of some of these measures are discussed, the content of the statistical tables is described, and comparisons with other statistical series are presented.)

13. EMPLOYMENT AND PAYROLLS IN ADMINISTRATIVE OFFICES AND AUXILIARIES

In the industry chapters of volume II, the data on employment and payrolls are limited to operating manufacturing establishments. In the summary tables and the area reports, the employment and payrolls of administrative offices and auxiliaries are included as well. The report filed for administrative offices and auxiliaries requested a description of the activity of the establishments that they serviced. However, the administrative offices and auxiliaries were coded only to the 2-digit industry group of the establishments they served, whereas the operating establishments were coded to a 4-digit manufacturing industry. In most of the tables with industry detail, the administrative offices and auxiliaries are shown as a separate industry group, but statistics for them by 2-digit industry appear in each volume in the general summary tables. As indicated in table H, the relative importance of administrative offices and auxiliaries has increased substantially in recent years because of a tendency to centralize functions formerly performed in manufacturing plants. Such functions include accounting (particularly where computerized), warehousing repair services, and miscellaneous others.

Table H. **Employment in Administrative Offices and Auxiliaries and in Operating Manufacturing Plants: 1977 and Earlier**

Census year	Employees in operating manufacturing establishments		Employees in administrative offices and auxiliaries		
	Thous- ands of em- ployees	Percent change from previous census year	Thous- ands of em- ployees	Percent change from previous census year	Percent of total employ- ment ¹
1977.....	18,516	+2.7	1,074	+8.0	5.5
1972.....	18,032	-2.5	994	+19.8	5.2
1967.....	18,492	+14.0	830	+14.3	4.3
1963.....	16,235	+5.3	726	+20.6	4.3
1958.....	15,423	-1.4	602	¹ +32.9	3.8
1954.....	15,645	(NA)	453	(NA)	2.8

(NA) Not available.

¹The apparent increase from 1954 to 1958 is believed to be somewhat overstated, because coverage of administrative offices and auxiliaries was more complete in the 1958 census.

Source: Census of Manufactures.

14. MATERIALS CONSUMED

Every establishment was requested to report the total cost of materials. In addition, quantity and cost information was collected for approximately a thousand specific materials. About 350 of these were "complete coverage" materials; i.e., every industry that consumed appreciable quantities of the material was canvassed so that the data would aggregate to at least 90 percent of manufacturing consumption. For the remaining materials, information on consumption was obtained only in those industries in which the materials were important inputs. Detailed consumption information was collected in item 17, the standard material inquiry; in item 18, the product inquiry (for items that were produced and consumed in the same plant); and in a few instances in a special inquiry. The resulting statistics are presented mainly in tables 6a and 7a of the industry chapters, in volume II.

Because American industry uses an enormous variety of materials, the choice of materials for which "complete coverage" consumption data (90 percent or higher) were obtained had to be strictly limited. The selection of a particular material for such coverage was based on the following criteria:

- The importance as measured by the total value of U.S. consumption of the material.
- The percentage of total consumption accounted for by manufacturing establishments.
- The availability of consumption information from manufacturers' records.
- Other factors such as the strategic importance of the material or the availability of historical data on the use of the material.

The "limited-coverage" materials were chosen, not only because they constituted important inputs for particular industries, but frequently because they provided information necessary to classify plants by SIC industry. In using the detailed data on materials consumed which appear in table 7 in the industry chapters of volume II, the following limitations should be noted:

- Materials were reported for the establishment as a whole and no attempt was made to ascertain how much of the material was used in each of various products. Thus, the industry totals appearing in table 7 include consumption in secondary products as well as primary products

of the industry. The extent of secondary production in each industry is measured by its specialization coverage ratio shown in table 5b of the industry chapters.

- b. Special attention should be paid to the codes ending in "000" and captioned "materials, parts, containers, and supplies, n.s.k." The amounts appearing on these lines are totals imputed for (1) establishments whose statistics were developed from administrative records, and (2) totals for establishments which returned report forms but failed to report their consumption in specific terms. Thus, for most industries, the data for a specific material are understated. A judgment on the statistical significance of the understatement may be made from the ratio of the value shown for the "n.s.k." (code 000) to the total of materials, components, parts, containers, and supplies for the industry.
- c. Establishments consuming less than a specified amount of material were not requested to report consumption of the material separately. For the majority of individual materials, the minimum amount was \$10,000. The use of this cutoff is not believed to have had a significant effect on the totals, although in 1972 a lower cutoff of \$5,000 was used.
- d. A total of "n.e.c." material code 970099 was collected on most forms and is published for each industry. This is the total cost of materials for an industry for which no material items were prelisted on the form. A sample survey, MA-131, 1977 Supplemental Survey of Materials Consumed, was conducted to provide material consumption estimates for the cost of materials reported in material code 970099 for selected industries. Results of this survey are shown in the subject report Selected Materials Consumed.

15. VALUE OF SHIPMENTS

Value of shipments of multiunit companies—Except for a few industries, the respondents were instructed to report net selling values, f.o.b. plant, after discounts and allowances and excluding freight charges and excise taxes. Multiunit companies were instructed to report for each establishment as if it were a separate economic unit and, in particular, to report interplant transfers at their full economic value. Full economic value is defined as not only the cost of production but also a reasonable proportion of company overhead and profits. Generally, there is no advertising or other selling cost assigned by companies to interplant transfers, so it would be expected that the value per unit of such transfers would be less than that for commercial sales. To assure consistency in the valuation as the interplant transfer moved through the company, the plant receiving the transferred goods was instructed to include them in its cost of materials at the same value as at the shipping point, plus the cost of freight and other handling charges.

If the goods were transferred to sales branches, or sold through separate sales offices, the "f.o.b. plant" instruction implies that the value is somewhat lower than the final invoice value, because the cost of selling (mainly the cost of operating the sales branch or office) is excluded.

However, there is reason to believe that these instructions were not followed uniformly by all companies. In a record-keeping practice study of 54 multiunit companies conducted a few years ago, it was found that about half of them had reported interplant transfers of semifinished products at commercial or market prices, which tend to be somewhat higher than the "cost plus overhead and profit" requested in the census instructions. Where finished products were transferred to separate selling organizations, half of the companies interviewed valued the products leaving the manufacturing plant at their final or invoice price, or somewhat higher than the requested "f.o.b. plant" transfer value. It appears from this study and other observations that the value of shipments of products reported by multiunit companies tends to be overstated. If it was known that a substantial amount of a product tended to be transferred to establishments of the same company, separate quantity and value figures were requested on the amount transferred and the amount sold outside the company. Data on these shipments, the unit value of which tends to be different from the unit value for shipments outside the company, are presented separately in table 6a in the industry chapters of volume II.

Individual products—In the 1977 census program, information was collected on the output of approximately 13,000 individual product items.¹⁹ A "product" as used in the census of manufactures is the finest level of detail for which output information was requested. It is not necessarily synonymous with the term "product" as used in the marketing sense. In some cases, it may be much more detailed and, in other cases, it is more aggregative. For example, there is a long list of pharmaceutical preparations but a single item for all canned meats. If detailed production figures were available from other government sources or reliable private surveys, it was not considered necessary to request extensive detail in the census.

Some 6,000 of the product items were listed separately on the 1977 census report forms. Data for the remaining 7,000 products were obtained monthly, quarterly, or annually in commodity surveys of the current industrial reports program of the Bureau of the Census. Totals for the year 1977 for these items compiled in the commodity surveys are shown in table 6a, "products shipped," in the industry chapters of volume II. On the 1977 census forms, only an overall control total or "tieline" was obtained. In table 6a, both the tieline total and the total of the detail obtained in the current industrial reports are shown to indicate how closely the two surveys were reconciled.

Typically, both quantity and value of shipments were collected. However, physical quantity measures are not meaningful for some product lines, and for these, only value of shipments was collected. If a product was used to a large degree in the fabrication of other products within the same establishment in which it was produced, total quantities produced and often the quantities consumed were collected. Information on production, as well as shipments, was also collected for products for which there are significant differences between the two

¹⁹ See 1977 Census of Manufactures MC77-R-1, Numerical List of Manufactured Products.

because of wide fluctuations in finished goods inventories. Alternate measures of output of products, such as value of work done for products with long production cycles, were used as appropriate and feasible.

Classes of products—The individual products were aggregated into classes of products which were, in turn, grouped into the primary products of each industry. In the code structure, a 7-digit number is assigned to the individual product, a 5-digit code to the class of product, and a 4-digit code to the total primary products in an industry. (See section 4 for application of coding structure to the assignment of SIC codes for establishments).

The 13,000 product items in the 1977 census (including products from the current industrial reports program) were grouped into approximately 1,500 separate product classes. General similarity was the basis for the product class combinations within each 4-digit industry, i.e., kind or use of products, the manufacturing processes, type of markets, or materials used. The economic significance of the class was also taken into account; residual products of an industry were grouped when the dollar value of the products did not warrant separate classes.

Since preserving confidentiality of the data of respondent companies is a determinant of the amount of detail that can be published, the larger number of respondents included in the product-class shipments totals permits many more cross tabulations than do the 7-digit products. In the industry chapters of volume II, product classes by State appear in table 6b and by industry of the establishment producing them in table 5c. The latter table clearly shows the primary and secondary product mix of an industry, as well as the interrelationship between the 4-digit industry value of shipments and the 4-digit product group value of shipments.

It is possible to classify individual establishments not only by 4-digit industry, but also by the largest class of products they produce within that industry. Table 5a provides finer industry-type general statistics for establishments classified according to the degree to which they specialize in producing a specific class of products.

The class-of-product concept was incorporated by the Bureau of the Census into the 1947 Census of Manufactures after it developed the technique in the compilation of World War II production statistics. Product classes were used to collect product information in the first ASM conducted in 1949. The product classes tend to be redefined more frequently than the SIC on which they are based in order to keep abreast of the growth and decline of products.

Effect of use of administrative records on product data—As noted elsewhere in this Introduction, 140,000 small manufacturers were not mailed report forms and most of their detail was imputed based on limited information in IRS and SSA administrative records. All of the value of products of these small establishments were coded only to the 4-digit products of the industry in which they were classified. These product shipments are uniquely identified in table 6a. Also uniquely identified are product shipments of reporting companies which were described

too generally to code below the 4-digit level. Frequently, these were residuals in the company's records which the company felt it could not further break down. Table I, summarized by 2-digit group, reflects the importance of these "n.s.k." product shipments. Except in a few industries, they tend to be moderate in size—except in lumber, furniture, and printing (SIC 24, 25, and 27). The "n.s.k." of the respondents tends to be larger than that of the administrative records.

One factor tends to reduce the value of products, n.s.k., attributed to administrative record companies that affects table I, particularly. In some 4-digit industries, there is only one product category (an example is Industry 3273, Ready-Mixed Concrete). Administrative-record estimates for these products were treated as specific information and not tabulated as "n.s.k." headings.

In using the data for the specific 7-digit products shown in table 6a, the importance of the "n.s.k." has to be considered. The shipments of individual products tend to be understated somewhat in proportion to the size of the "n.s.k." Census-to-census comparison of 7-digit products should be made with caution if there has been a significant increase or decrease in the importance of the n.s.k.

16. DUPLICATION IN COST OF MATERIALS AND VALUE OF SHIPMENTS

The aggregates of the cost of materials and value of shipments figures for industry groups, and for all manufacturing industries, include large amounts of duplication since the products of some industries are used as materials by others. With some important exceptions, such as SIC 3312, Blast Furnaces and Steel Mills, this duplication is not significant within individual 4-digit industries. However, it is significant at the 2- and 3-digit industry levels because these group totals often include industries which are successive stages in the production of a finished manufactured product. Examples are the addition of flour mills to bakeries in the total value of shipments of SIC major group 20 and the addition of pulpmills to papermills in group 26. Economists have estimated that the value of manufactured products exclusive of such duplication—the value of finished manufactures—tends to approximate two-thirds of the total value of shipments reported in the census of manufactures.

Because the amount of duplication of the cost of materials in the value of products figures cannot be measured with any degree of precision, caution is urged with the use of the value of shipments totals at the 2- and 3-digit industry group levels.

Even where there is no significant amount of duplication within an industry group, value of shipments figures are not the best measures of the relative economic importance of individual manufacturing industries or geographic areas. There are wide variations in the ratio of materials, labor, and other processing costs to value of shipments; both among industries and within the same industry. The manufacturing process contributes only a small amount to the sales value of some products; but a large amount to the final value of others. Value added by manufacture is a better measure of the net contribution of an industry to the Nation's overall output.

Table I. Value of Products, Not Specified by Kind: 1977 and 1972

Product group code	Total value of product shipments (mil. dol.)		Products not specified by kind											
			Total (mil. dol.)		Large companies (mil. dol.)		Small companies (mil. dol.)		Percent attributed to--					
									Total		Large companies		Small companies	
	1977	1972	1977	1972	1977	1972	1977	1972	1977	1972	1977	1972	1977	1972
Total.....	1,287,117.8	739,426.8	65,064.9	35,968.3	43,057.2	25,132.6	22,007.7	10,835.7	5.1	4.9	3.3	3.4	1.7	1.5
20.....	177,357.2	106,779.6	10,836.6	5,700.5	7,446.0	4,302.6	3,390.6	1,397.9	6.1	5.3	4.2	4.0	1.9	1.3
21.....	8,524.9	5,540.2	54.3	40.8	38.2	32.3	16.1	8.5	.6	.7	.4	.6	.2	.1
22.....	39,439.5	30,884.3	1,243.0	833.3	871.9	672.3	371.1	161.0	3.1	2.7	2.2	2.2	.9	.5
23.....	38,876.5	29,247.5	4,207.2	2,435.6	3,213.0	1,728.9	994.2	706.7	10.8	8.3	8.3	5.9	2.5	2.4
24.....	38,110.0	22,919.6	5,312.9	2,999.3	3,470.8	1,405.0	1,842.1	1,594.3	13.9	13.1	9.1	6.1	4.8	7.0
25.....	16,162.9	10,843.2	1,763.4	1,155.5	1,195.3	848.5	568.1	307.0	10.9	10.6	7.4	7.8	3.5	2.8
26.....	50,350.3	27,227.4	1,883.4	791.2	1,341.3	677.6	542.1	113.6	3.7	2.9	2.7	2.5	1.1	.4
27.....	46,692.4	29,347.5	6,091.9	3,433.1	4,167.9	1,891.6	1,924.0	1,541.5	13.0	11.7	8.9	6.4	4.1	5.3
28.....	109,724.4	53,038.9	3,453.6	1,567.3	2,122.4	1,140.7	1,331.2	426.6	3.1	3.0	1.9	2.2	1.2	.8
29.....	93,945.7	27,349.6	776.6	330.0	674.8	255.6	101.8	74.4	.8	1.2	.7	.9	.1	.3
30.....	38,237.2	19,963.5	3,297.5	1,360.3	2,508.3	1,048.3	789.2	312.0	8.6	6.8	6.5	5.2	2.1	1.6
31.....	7,122.3	5,472.0	594.7	335.0	488.2	242.4	106.5	92.6	8.3	6.1	6.8	4.4	1.5	1.7
32.....	33,780.9	21,139.7	1,756.8	1,042.1	1,164.2	678.7	592.6	363.4	5.2	4.9	3.4	3.2	1.7	1.7
33.....	99,044.8	71,058.4	1,469.7	1,225.0	822.7	1,069.8	647.0	155.2	1.5	1.7	.8	1.5	.7	.2
34.....	85,593.8	51,167.1	6,059.9	3,677.9	3,976.7	2,847.1	2,083.2	830.8	7.1	7.2	4.6	5.6	2.4	1.6
35.....	115,329.9	60,212.7	7,624.6	4,085.9	4,557.9	2,699.2	3,066.7	1,386.7	6.6	6.8	4.0	4.5	2.7	2.3
36.....	83,014.3	49,958.8	2,988.2	1,464.2	1,650.0	1,148.2	1,338.2	316.0	3.6	2.9	2.0	2.3	1.6	.6
37.....	161,607.6	91,522.0	1,999.9	1,413.5	1,084.9	1,126.8	915.0	286.7	1.2	1.5	.7	1.2	.6	.3
38.....	26,949.1	14,484.8	1,277.4	556.1	662.6	413.8	614.8	142.3	4.7	3.9	2.5	2.9	2.3	1.0
39.....	17,254.1	11,270.0	2,373.3	1,521.7	1,600.1	903.2	773.2	618.5	13.8	13.5	9.3	8.0	4.5	5.5

Note: These values are product shipments, irrespective of the industry in which the products were made and exclusive of miscellaneous receipts, and, therefore, differ from the industry group totals shown in the general summary tables. However, products primary to more than one product group are classified based on the industry in which they were made. Data for some product groups may differ slightly from the data collected in order to avoid disclosing operations of individual companies which have previously been withheld from the tables 6a of the 1977 and 1972 Censuses of Manufactures Industry Series.

17. VALUE ADDED BY MANUFACTURE

General—The first step in the calculation of value added is the conversion of the value of shipments (including resales and miscellaneous receipts) to value of production by adding the ending inventory of finished foods and work in process inventories and subtracting the beginning inventory. The cost of materials (including materials, supplies, fuel, electric energy, cost of resales, and cost of contract work) is then subtracted from this value of production to obtain value added.²⁰

Value added avoids the duplication in the value of shipments figure which results from the inclusion of the shipments of establishments producing materials and components, along with the shipments of establishments producing finished products. It does not exclude the cost of services purchased from other business firms, as does the concept of value added, used in the national income accounts.²¹ Nevertheless, it is considered to be the best value measure available in census data for comparing

the relative economic importance of manufacturing among industries and geographic areas.

Gross national product, national income, and value added—The national income accounts provide two measures of national output or value added originating in manufacturing: (1) gross national product (GNP), or, more precisely, gross domestic product (GDP),²² and (2) national income without capital consumption adjustment. These two measures are statistically different and neither is completely comparable to census value added.

GDP originating in manufacturing is the net value of the output of goods and services produced in the U.S. at market prices before deductions for depreciation charges and capital consumption allowances. It differs, in part, from the census value added since it includes indirect business taxes (e.g., sales, excise, and property). Excise and sales taxes are excluded from the f.o.b. census value of shipments and, thus, from census value added. Property taxes are part of the cost of doing business included in census value added, since only the cost of materials is deducted from f.o.b. shipments. A greater difference between GDP and census value added rests in the exclusion of purchased business services from GDP, but not from census value added. Both GDP and census value added include the basic factor costs of production—labor costs, property costs including depreciation, and profits. Depreciation in the two series is calculated differently, however. The census collects depreciation as carried on the books of the establishment. Thus, it tends to be the depreciation

²⁰ For a few industries (for example, ship building) where value of work done is substituted for value of shipments, no adjustment is made for change in inventories. In a few other industries where value of production is collected, the inventory adjustment is made only on the basis of change in work-in-process inventories.

²¹ Collection of data on the cost of purchased business services at the plant level presents many problems. Advertising by multiunit companies, for example, is frequently charged at the company level and the cost either not allocated to plants or, if allocated, are only included as part of a broader company overhead category. National income data, on the other hand, are compiled, in part, from company rather than plant data, such as the IRS Statistics of Income in which advertising is presented as a separate cost item based on company reports.

²² Gross national product is the market value of goods and services produced by labor and property supplied by *Residents* of the United States. Gross domestic product is the goods and services attributable to labor and property *located within* the United States.

charged against the original purchase price of the plant or equipment on a tax return basis. In calculating GDP, these tax return allowances are adjusted to account for the economic service lives, straight-line depreciation, and replacement cost.

In compiling the national accounts, it is necessary to rely on two different sources of data: (1) establishment-based data similar to the census for labor income, and (2) company-based data for profit and other company level income and cost charges. In estimating the GDP for manufacturing, the property-type incomes, interest, depreciation, and profit have been reestimated to an establishment basis by the Bureau of Economic Analysis (BEA). Thus, conceptually, both the GDP and value added tend to be on a comparable establishment-industry basis.

In the national accounts, 2-digit detailed statistics within manufacturing are compiled only on a national income basis, without the capital consumption adjustment. National income differs from GDP by the exclusion of indirect business taxes and capital consumption allowances, but before the capital consumption adjustment. Unlike GDP, it remains a mixture of establishment-based data and company-based data for profits and company-type costs. This results in the inclusion in national income of the net value added created by nonmanufacturing establishments of companies primarily engaged in manufacturing, but the exclusion of value added created by manufacturing plants of primarily nonmanufacturing companies. It is thought that this tends to raise the national income attributed to manufacturing. This effect can be seen in the petroleum and coal products industry group where nonmanufacturing activities are so significant that national income exceeds value added (see tables J and K).

Table K provides a year by year comparison of GDP and national income to value added. GDP tends to be 10 to 20 percent lower. In recent years, there are some erratic variations in these relationships. In part, this is thought to be the result of the different treatment of the change in inventory that is used in the two series. The census inventory figures are book value inventories and, thus, a mixture of last-in-first-out (LIFO) and first-in-first-out (FIFO) and other historic accounting methods. In the national income accounts, these inventories are converted to current prices comparable to the prices used to value the GDP, and, thus, the change in inventories is on a current-priced value consistent with sales. Significant differences occur in the change in book value and currently-priced inventories in years of rapidly changing prices. The magnitude of these differences can be partially judged by the size of the inventory valuation adjustment used by BEA (see table L).

Reconciliation of GDP and value added—In recent years, the census and the annual survey of manufactures have been obtaining data on some of the residual costs included in census value added. As a result, it is possible to reconcile in more detail the differences between GDP and value added in manufacturing. In table M, the census value added, at \$585.2 billion, exceeded GDP at \$462.4 billion. When indirect business taxes (other than property taxes) are deducted from GDP, it drops to \$444.0 billion, or \$141.2 billion less than census value added. The labor components of the two series are reasonably close, although not identical. Census depreciation, on a book value basis, however,

Table J. **Comparison of National Income Originating and Value Added by Major Industry Group: 1977 and 1972**

(Billion dollars)

SIC code	Industry group description	National income originating ¹		Value added by manufacturing		Column A divided by column C	Column B divided by column D
		1977	1972	1977	1972		
		(A)	(B)	(C)	(D)	(E)	(F)
	Manufacturing.....	411.5	252.3	585.2	354.0	.70	.71
	Nondurable goods.....	162.9	98.3	246.9	149.5	.66	.66
20	Food and kindred products.....	33.1	20.5	56.1	35.6	.59	.58
21	Tobacco manufactures.....	2.8	1.7	4.3	2.6	.65	.65
22	Textile mill products.....	12.3	8.4	16.1	11.7	.76	.72
23	Apparel and other fabricated textile products.....	13.7	9.8	19.7	13.5	.70	.73
26	Paper and allied products.....	15.5	9.5	22.2	13.1	.70	.73
27	Printing, publishing, and allied industries.....	21.0	13.5	32.0	20.2	.66	.67
28	Chemicals and allied products.....	30.8	18.2	56.7	32.4	.54	.56
29	Petroleum refining and related industries.....	18.7	6.7	16.4	5.8	1.14	1.16
30	Rubber and miscellaneous plastics products.....	12.2	7.7	19.7	11.7	.62	.66
31	Leather and leather products.....	2.8	2.2	3.7	2.9	.76	.76
	Durable goods.....	248.6	154.0	338.3	204.6	.73	.75
24	Lumber and wood products, except furniture.....	13.2	8.3	16.2	10.3	.81	.81
25	Furniture and fixtures.....	6.1	4.4	8.9	6.1	.69	.72
32	Stone, clay, and glass products.....	13.0	8.7	19.1	12.6	.68	.69
33	Primary metal industries.....	28.6	17.9	37.6	23.3	.76	.77
34	Fabricated metal products.....	31.7	19.4	45.5	26.9	.70	.72
35	Machinery, except electrical.....	47.9	27.7	67.2	37.6	.71	.74
36	Electrical machinery.....	36.4	22.6	50.4	30.6	.72	.74
19 ²	Motor vehicles and equipment.....	33.7	20.1	64.3	39.8	.82	.83
37	Other transportation equipment.....	18.9	13.1	18.7	10.6	.63	.68
38	Instruments.....	11.9	7.2	10.3	6.8	.69	.68
39	Miscellaneous manufacturing industries.....	7.1	4.6				

¹Source: Survey of Current Business, July 1970; July 1979.

²This major group was recoded to major groups 34, 36, 37, and 38 in the 1972 SIC revision.

Table K. **Comparison of Gross Domestic Product, National Income Originating in Manufacturing, and Value Added by Manufacture**
1977 and Earlier Years

(Billion dollars)

Gross domestic product	Gross domestic product originating in manufacturing ^{1 2}	National income originating in manufacturing ^{1 2}	Value added by manufacture	Column A divided by column C	Column B divided by column C
	(A)	(B)	(C)	(D)	(E)
1977.....	462.4	411.5	585.2	.79	.70
1976.....	410.4	366.6	511.5	.80	.72
1975.....	358.2	317.7	442.5	.81	.72
1974.....	340.7	301.4	452.5	.75	.67
1973.....	326.1	285.3	405.6	.80	.70
1972.....	292.5	252.3	354.0	.83	.71
1971.....	265.6	226.5	314.1	.85	.72
1970.....	252.2	215.1	300.2	.84	.72
1969.....	256.7	221.9	304.4	.84	.73
1968.....	242.8	211.0	285.1	.85	.74
1967.....	222.3	193.7	262.0	.85	.74
1966.....	216.6	189.7	250.9	.86	.76
1965.....	197.7	171.3	226.9	.87	.76
1964.....	179.4	154.5	206.2	.87	.75
1963.....	167.4	143.8	192.1	.87	.75
1962.....	157.9	136.0	179.1	.88	.76
1961.....	144.4	125.0	164.3	.88	.76
1960.....	143.8	125.1	164.0	.88	.76
1959.....	141.3	124.3	161.5	.87	.77
1958.....	123.8	107.9	141.5	.87	.76
1957.....	131.4	116.3	147.8	.89	.79
1956.....	126.8	113.2	144.9	.88	.78
1954.....	106.4	94.7	117.0	.91	.81
1947.....	66.2	59.6	74.3	.89	.80
1939.....	(NA)	18.1	24.5	(X)	.74
1929.....	(NA)	21.9	30.6	(X)	.72

(NA) Not available. (X) Not applicable.

¹Source: Revised estimates of gross domestic product by major industries, Survey of Current Business, July 1978, p. 28; National Income and Product Accounts.

²In comparing gross domestic product and national income originating in manufacturing with value added, the role of change in inventories must be recognized. Census value added is value of shipments less the cost of materials adjusted for the change in book value inventories (finished goods and work in process in most industries.) Gross domestic product and national income originating in manufacture include the change in business inventories as part of gross private domestic investment. In the National Income Accounts, the book value change in inventories is adjusted for change in prices to convert it to prices similar to those used to measure the value of output. This adjustment is referred to as the inventory valuation adjustment. In periods of significant inflation, such as 1974, this adjustment can be substantial and create a slower year-to-year growth in gross domestic product originating than in value added in manufacturing, so there is a drop in gross domestic product and national income originating as a percent of value added in manufacturing. In periods of stable prices, the movements of the two inventory series usually are similar.

³Value added for 1947 and earlier years is unadjusted.

Table L. **Change in Manufacturing Inventories: 1977**

(Billion dollars)

Item	Value
Change in book value inventories (census).....	\$13.4
Inventory valuation adjustment.....	-8.4
Change in inventories (gross national product).....	5.0

Note: In calculating gross national product, the Bureau of Economic Analysis uses the change in total inventories. In compiling value added, the Bureau of the Census typically uses finished goods and work in process inventories only. In 1977, these inventories were \$9.3 billion compared with total inventories of \$13.4 billion.

Source: U.S. Department of Commerce, Bureau of Economic Analysis.

is less than the GDP capital consumption allowance, adjusted for economic service lives, straight-line depreciation, and replacement cost. Census book-value depreciation was \$26.7 billion, the adjusted GNP capital consumption allowance, \$40.0 billion. After measurable labor costs and depreciation were deducted, unexplained census value was \$231.4 billion com-

pared with an explained GNP of \$81.4 billion. Census has not been able to measure all the remaining components of value added, especially those parts which are company-type charges and profits. In 1977, information was collected on rentals and cost of communication services, and maintenance and repair purchased from other companies, a total of \$22.4 billion, leaving the unexplained portion of value added at \$209.0 billion. If the GDP estimates of \$9.9 billion for property taxes and \$71.4 billion for profits and interest payments are applied to this, there is a final unexplained portion of value added amounting to \$127.7 billion.

This residual is attributable to company overhead other than central office payroll, e.g., company-level depreciation, business taxes, and purchased services (advertising, legal, accounting, and other professional services, patents, royalties, etc., not readily measurable separately at the plants).

18. CAPITAL EXPENDITURES AND GROSS ASSETS

Capital expenditures—The manufacturers were instructed to report expenditures of the type chargeable to fixed assets

Table M. COMPARATIVE STATISTICS ON CENSUS VALUE ADDED AND GROSS DOMESTIC PRODUCT: 1977

(Billion dollars)

Item	Census value added	GDP
Total.....	—	462.4
Less: Indirect tax (except property business and not subsidies ¹	—	18.4
Equals.....	¹ 585.2	444.0
Less: Compensation of employees total.....	327.1	322.6
Census payrolls of operating plants.....	242.0	—
Census payroll supplements of operating plants.....	49.9	—
Census payrolls of central offices and auxiliaries.....	² 22.0	—
Census payrolls of sales branches offices.....	² 13.2	—
Equals.....	258.1	121.4
Less: Additional cost measured by census of manufactures.....	49.1	40.0
a. Included in GDP:		
Capital consump. allowance ³	26.7	40.0
b. Excluded from GDP.....	22.4	—
Purchased communication service.....	3.6	—
Purchased maintenance and repairs.....	11.9	—
Rental payments, building and equipment.....	6.9	—
Equals: Residual costs included in census value added.....	209.0	81.4
Less: Costs or incomes assumed to be equal to those measured in GDP.....	93.6	81.3
Property tax.....	9.9	9.9
Interest and profit type income.....	71.4	71.4
Difference between census book value depreciation and GDP depreciation ³	12.3	—
Equals: Remaining costs in value added (company overhead, other than payrolls included above: e.g., company-level depreciations, business taxes, and services purchased by company or directly by plants (advertising, legal, accounting, and other professional services; communications, patent fees, royalties, travel costs, etc.).....	115.4	(.1)

¹ Census measures value of shipments exclusive of sales and excise taxes. Property taxes are a cost included in value added.

² There is strong evidence that most companies include the payroll of administrative offices and auxiliaries and all sales offices in setting the f.o.b. value of shipments from their manufacturing plants. Those costs are, thus, included in value added. Many companies also indicate that they include the cost of sales branches, although this may not be universally true (see "value of shipments" in text).

accounts, for which depreciation reserves are normally maintained. Actual capital outlays during the year were requested, not the final value of equipment put in place or structures completed during the year.

The Bureau of the Census estimates of capital expenditures tend to be lower than those published by BEA in its quarterly survey of expenditures for plant and equipment. In addition to normal sampling variation, a major source of difference rests in the scope of the two series. Census data relate only to manufacturing establishments.

The BEA series relating to manufacturing includes all establishments of manufacturing companies, nonmanufacturing as well as manufacturing, but excludes manufacturing establishments of companies that they have classified as chiefly nonmanufacturing. This difference in the two series is particularly important in the petroleum industry where company expenditures for developing new wells and new distribution facilities are ordinarily much larger than their capital expenditures at refineries. The BEA and Census data for recent years are shown in tables N and O.

Table N. Expenditures for New Plant and Equipment—BEA Series and Census: 1977 and Earlier Years

(Billion dollars)

Year	BEA-series ¹	Census (census of manufactures and ASM) ²	Column B divided by column A
	(A)	(B)	(C)
1977.....	69.2	47.5	.69
1976.....	59.9	40.5	.68
1975.....	54.9	37.3	.68
1974.....	53.2	35.7	.67
1973.....	42.4	27.0	.64
1972.....	35.4	24.1	.69
1971.....	33.6	20.9	.62
1970.....	37.0	22.2	.60
1969.....	36.3	22.3	.61
1968.....	32.3	20.6	.64
1967.....	32.3	21.5	.67
1966.....	31.4	20.2	.64
1965.....	25.4	16.6	.65
1964.....	21.2	13.3	.63
1963.....	17.3	11.4	.66
1962.....	16.0	10.0	.63
1961.....	15.5	9.8	.63
1960.....	16.4	10.0	.61
1959.....	13.8	9.3	.67
1958.....	13.0	9.6	.74
1954.....	12.0	8.2	.68
1947.....	8.7	² 6.0	.69

¹Source, U.S. Department of Commerce, Survey of Current Business, October 1980.

²Excludes data for establishments under construction but not yet in operation.

³Capital consumption allowances in GDP and depreciation as collected in the census are not completely comparable. Depreciation reported in the census is that carried on the books of the establishment and is charged against the original purchase cost of the assets. In the GNP accounts, a "capital consumption adjustment" is made to place the depreciation more on a replacement cost basis. Specifically, it is "the tax-return-based capital consumption allowances, less capital consumption allowances, that are based on estimates of economic service lives, straight-line depreciation, and replacement cost."

Source: Department of Commerce, Bureau of Economic Analysis, and Bureau of the Census.

Table O. **Expenditures for New Plant and Equipment—BEA Series and Census of Manufactures, by Industry Group: 1977**

(Billion dollars)

Industry groups	BEA series ¹		Census of manufactures		Census as percent of BEA	
	1977	1972	1977	1972	1977	1972
All manufacturing.....	69.2	35.4	47.5	24.1	.69	.68
Durable goods.....	34.0	18.1	24.4	12.7	.72	.70
Primary metals.....	5.4	2.4	4.5	2.1	.83	.88
Fabricated metal.....	2.5	1.4	2.6	1.3	1.04	.93
Electric machinery.....	4.7	2.8	2.9	1.4	.62	.50
Machinery, except electric..	6.6	3.2	4.4	1.9	.67	.59
Transportation equipment....	9.1	4.4	4.7	2.7	.52	.61
Stone, clay, and glass.....	2.2	1.3	1.9	1.2	.86	.92
Other durables.....	3.5	2.6	3.4	2.1	.97	.81
Nondurable goods.....	35.2	17.3	23.2	11.4	.66	.66
Food and beverages.....	5.1	3.3	4.2	2.4	.82	.73
Textiles.....	1.3	1.1	1.2	1.1	.92	1.00
Paper.....	3.6	1.5	3.3	1.3	.92	.87
Chemicals.....	8.1	3.4	8.2	2.7	1.01	.79
Petroleum.....	12.7	4.8	2.3	1.2	.18	.25
Rubber.....	1.7	1.0	1.6	1.1	.94	1.10
Other nondurables.....	2.7	2.2	2.4	1.6	.89	.73

¹Source: U.S. Department of Commerce, Survey of Current Business, October 1980.

Gross value of fixed assets—In addition to reporting capital expenditures during the year, the manufacturers were requested to report the original cost value of fixed assets (structures and machinery and equipment) in place at the end of the year, along with depreciation and retirements during the year. This series, however, is based on reports filed in the ASM sample. It is conceptually comparable with the capital expenditures data. As the census capital expenditures series differs from the BEA series, so the census gross assets series will differ from similar series based on company level reports, i.e., those appearing in the IRS Statistics of Income and the FTC Quarterly Financial Report of Corporations. Since the census assets series is also based on sample estimates from the ASM, it is subject to a sampling error. (See appendix B for more complete definitions of terms.)

19. INVENTORIES

The value of end-of-year inventories held by each manufacturing establishment was obtained for each year. Separate information was requested for—

- Finished goods,
- Work-in-process, and
- Materials, supplies, fuel, and other inventories.

A measure of the changes in inventories from the beginning to the end of each year is essential to the conversion of value of shipments during the year to value of production, and, therefore, to the calculation of value added. The ratios of inventories to shipments at different times are also used in analysis of trends and business-cycle movements. For the best use of all of these measures, the inventories should be valued in the same prices as the shipments. Census inventory statistics have some limitations in these uses.

The inventories, as collected currently and in the past, have been the inventories as carried in the books of each respondent. In aggregating those inventories and calculating inventory changes, census procedures make no adjustments for the different methods of inventory valuation used by the respondents. Change in inventories and the relationship of inventories to shipments can vary significantly depending on whether last-in first-out (LIFO) or some historical method such as first-in first-out (FIFO) is used. These differences can become very significant in periods of rapid- and large-price changes. In recent years, the Bureau of the Census has been obtaining information on the preparation of inventories valued by the different accounting methods, both in its monthly surveys and the annual survey of manufactures. Some results have been published in the monthly Manufacturers' Shipments, Inventories, and Orders survey but none for the ASM. Considerable difficulty has been encountered in obtaining results of publication quality because of the complexity of the accounting at the establishment level and corporate level in large companies. Unofficial results have been made available to BEA to assist them in their adjustment of book value inventories to current and constant prices for use in the national income accounts. Some of the anomalies in the census value added and the national income originating in manufactures are due to the different treatment of inventory change in the two series.

In using inventory data by stage of fabrication for all industries at the industry level, it should be noted that an item treated as a finished product by an establishment in one industry may be reported as a raw material by another establishment in a different industry. For example, the finished-product inventories of a steel mill would be reported as raw materials by a stamping plant. Such differences are present in the inventory figures by stage of fabrication shown for individual industries, industry groups, and all manufacturing which are merely aggregates of figures reported by establishments in specified industries.

For a few industries in the food group, there are special problems in the handling of inventories by stage of fabrication. These are industries in which the products are aged. Included among such types of products are stemmed and dried tobacco, cheese, and whiskey. It is not clear whether such products should be treated as finished-goods inventories or as work in process while in storage. In all these industries, substantial finished goods inventories have been reported. These data have been summarized in the inventory tables in a consistent manner for all of the years included in this report.

20. PLANT SPECIALIZATION

As discussed in item 4 above, the primary products of a plant are those which determine its industry classification; all other products are referred to as secondary products. The value of a plant's primary products in comparison to its total production is referred to as its degree of specialization. For each plant, two measures of specialization were computed:

- A 4-digit primary product-specialization ratio, which is the sum of the values of all the plant's primary products divided by the sum of all its primary and secondary products.

- b. A 5-digit primary product-class specialization ratio, which is the sum of the largest 5-digit product-class value divided by the sum of its primary and secondary products (the miscellaneous receipts of the establishment were not included in these calculations). For example, assume that an establishment reported the following:

Total value of shipments and other receipts	\$1,000
Miscellaneous receipts (resales, etc.)	15
Total value of products shipped	985
32731, Concrete pipe products	100
32722, Precast concrete products	785
32730, Ready-mixed concrete	100

This plant would be coded into Industry 3272, Concrete Products, with a primary product specialization ratio of 90 percent ($\$885 \div 985$); it would be subclassified into the 5-digit Class 32722, Precast Concrete, with a primary product class specialization ratio of 80 percent ($\$785 \div 985$).

21. CONFIDENTIALITY

The Bureau of the Census is prohibited by law from publishing any statistics that disclose information reported by individual companies. In suppressing figures to avoid disclosing information of individual companies, individual States are given precedence over geographic regions and divisions. This is an innovation for 1977, since in prior censuses the larger geographic areas were given precedence. As a result of this change in philosophy, it has become more difficult to produce industry detail for the larger geographic areas and data for these areas are no longer published. States are given precedence over standard metropolitan statistical areas; standard metropolitan statistical areas over counties; and counties over cities.

In tables showing industry detail, major industry group (2-digit) totals take precedence over industry group (3-digit) totals which, in turn, take precedence over individual (4-digit) industries. Similarly, in product tables, 4-digit product groupings take precedence over 5-digit product classes and the latter over individual 7-digit products.

Such order of precedence was used because:

- It was considered preferable to show State data for an industry, even at the cost of withholding data for a region. In recent years, there seemed to be more need for and use of data for individual States than for the larger regions—especially since many regional development programs encompassed clusters of States different from the standard regions and divisions.
- By giving preference to industry-group statistics over individual industries within each State, the extent to which individual States can be compared within the SIC industry classification framework is greatly increased.

22. MICROFICHE AND COMPUTER TAPES

Data in many tables in the census volumes are available on microfiche and on computer tape.

Data in this publication may differ slightly from the industry and area reports previously published. These differences are due to corrections which were made for minor errors identified after the industry and area reports were issued. This report reflects these corrections.

One major data series, the Location of Manufacturing Plants, will be available only on computer tape. This series presents the number of establishments by employment size class by 4-digit SIC industry codes for States, counties, and places of 2,500 inhabitants or more. These data are available for both State and county by industry and State and place by industry.

Microfiche reports and computer tapes are sold by Customer Services (Microfiche/Tapes), Data User Services Division, Bureau of the Census, Washington, D.C. 20233.

23. SPECIAL TABULATIONS

Special tabulations of data collected in the 1977 Census of Manufactures may be obtained on computer tape or in tabular form. The data will be in summary form and subject to the same rules prohibiting disclosure of confidential information (including name, address, kind of business, or other data for individual business establishments or companies) as are the regular publications.

Special tabulations are prepared on a cost basis. A request for a cost estimate as well as exact specifications on the type and format of the data to be provided, should be directed to the Chief, Industry Division, Bureau of the Census, Washington, D.C. 20233.

24. ABBREVIATIONS

The following abbreviations and symbols occur frequently in text, tables, and footnotes:

—	Zero
(X)	Not applicable
(NA)	Not available
(D)	Withheld to avoid disclosing operations of individual companies
n.e.c	Not elsewhere classified
n.s.k.	Not specified by kind
(S)	Suppressed
(Z)	Less than one half of unit of measure shown
lin.	Linear
equiv.	Equivalent
hp	Horsepower
kWh	Kilowatt-hours
SIC	Standard Industrial Classification
IRS	Internal Revenue Service
SSA	Social Security Administration
ASM	Annual Survey of Manufactures
CIR	Current Industrial Reports
BEA	Bureau of Economic Analysis
SEC	Securities and Exchange Commission
GNP	Gross National Product

Other abbreviations, such as lb, gal, yd, doz, and bbl, are used in the customary sense. Where the term "tons" only is used, it refers to short tons of 2,000 pounds; where the figures are expressed in tons of 2,240 pounds, the unit of measure is specified as "long tons" or "gross tons."

STANDARD METROPOLITAN STATISTICAL



AREAS OF THE UNITED STATES





General Summary

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Table 1. Statistics for All Manufacturing Establishments Including Administrative Offices and Auxiliaries: 1977 and Earlier Years

Year	All establishments		All employees ¹		Production workers			Value added by manufacture ³ (million dollars)	Value of industry shipments (million dollars)	New capital expenditures ⁴ (million dollars)	Index of industrial production ⁵ (1977=100)
	Total (number)	With 20 employees or more (number)	Number ² (1,000)	Payroll (million dollars)	Number ² (1,000)	Hours (million)	Wages (million dollars)				
1977.....	359,928	118,699	19,590.1	264,013.1	13,691.0	26,686.7	157,163.7	585,165.6	1,358,526.4	47,459.0	100.0
1976 ⁶	(NA)	(NA)	18,753.0	233,388.7	13,052.0	25,354.2	137,565.4	511,471.1	1,185,695.3	40,669.9	94.5
1975 ⁶	(NA)	(NA)	18,302.2	209,519.0	12,568.9	24,069.6	121,429.0	442,485.2	1,039,377.4	37,262.1	84.8
1974 ⁶	(NA)	(NA)	19,844.4	208,312.0	13,927.1	27,251.0	124,977.1	452,497.0	1,017,873.4	35,546.1	94.4
1973 ⁶	(NA)	(NA)	19,844.8	193,324.5	14,232.8	28,096.9	118,332.6	405,583.6	875,443.2	26,972.9	94.7
1972.....	320,710	114,195	19,028.7	174,205.5	13,527.9	26,699.2	105,501.8	353,994.0	756,534.3	24,077.7	86.7
1971 ⁶	(NA)	(NA)	18,363.1	156,202.8	12,874.9	25,265.9	93,231.7	314,138.4	670,970.5	20,940.7	78.9
1970 ⁶	(NA)	(NA)	19,217.2	153,078.5	13,528.0	26,669.3	91,609.0	300,227.6	634,322.1	22,164.2	77.6
1969 ⁶	(NA)	(NA)	20,035.5	152,765.6	14,357.8	28,599.8	93,459.6	304,440.7	642,635.8	22,291.2	81.0
1968 ⁶	(NA)	(NA)	19,527.6	141,822.7	14,041.2	28,156.8	87,480.4	285,058.9	603,220.1	20,613.1	77.6
1967.....	311,140	110,256	19,323.2	132,208.4	13,955.3	27,837.6	81,393.6	261,983.8	557,397.8	21,503.0	72.9
1966 ⁶	(NA)	(NA)	19,024.5	125,350.0	13,826.5	28,102.5	78,256.4	250,880.1	538,736.9	20,235.8	72.1
1965 ⁶	(NA)	(NA)	18,010.2	113,972.2	13,076.0	26,567.8	71,361.5	226,939.9	492,005.7	16,615.0	64.9
1964 ⁶	(NA)	(NA)	17,268.5	106,403.3	12,403.3	25,245.5	65,838.9	206,193.6	447,985.1	13,294.3	59.1
1963.....	311,931	102,296	16,958.4	99,898.8	12,232.0	24,509.4	62,093.6	192,082.9	420,528.1	11,370.0	55.3
1962 ⁶	(NA)	(NA)	16,765.6	94,291.2	12,126.5	24,269.5	59,134.1	179,071.1	399,308.9	10,436.2	52.2
1961 ⁶	(NA)	(NA)	16,331.2	88,127.8	11,778.5	23,289.4	54,764.6	164,281.1	369,994.3	9,779.8	47.8
1960 ⁶	(NA)	(NA)	16,762.7	88,087.1	12,209.5	24,174.4	55,555.5	163,998.5	(NA)	10,097.8	47.7
1959 ⁶	(NA)	(NA)	16,662.2	85,642.0	12,272.6	24,443.6	54,714.1	161,535.8	(NA)	9,140.0	46.8
1958 ⁷	303,303	95,310	16,025.2	78,348.9	11,681.1	22,679.2	49,605.2	141,540.6	326,722.8	9,543.5	41.6
1957 ⁶	(NA)	(NA)	17,104.7	79,354.0	12,828.9	25,208.0	52,569.0	147,838.4	(NA)	12,144.0	44.6
1956 ⁶	(NA)	(NA)	17,178.3	77,059.0	13,131.3	26,088.5	52,040.8	144,909.3	(NA)	11,233.2	44.1
1955 ⁶	(NA)	(NA)	16,818.5	72,126.0	12,954.4	25,898.3	49,217.9	135,022.5	(NA)	8,233.1	42.5
1954 ⁷	(NA)	(NA)	16,125.6	65,977.0	12,372.0	24,334.1	44,590.5	117,032.3	(NA)	8,200.7	37.6
1953 ⁶	(NA)	(NA)	17,093.0	68,590.4	13,500.9	27,065.6	48,979.1	121,659.1	(NA)	8,047.9	40.3
1952 ⁶	(NA)	(NA)	16,061.0	61,140.6	12,706.0	25,617.6	43,763.6	109,162.1	(NA)	7,883.4	36.9
1951 ⁶	(NA)	(NA)	15,638.0	56,283.8	12,508.9	25,263.8	40,654.8	102,085.8	(NA)	7,781.7	35.4
1950 ⁶	(NA)	(NA)	14,769.9	47,892.9	11,778.8	23,716.5	34,600.0	89,749.8	(NA)	5,041.3	32.8
1949 ⁶	(NA)	(NA)	13,880.1	42,752.0	11,016.3	21,769.7	30,254.0	75,366.5	(NA)	5,066.9	28.2
1947.....	240,807	(NA)	14,294.0	39,695.6	11,917.9	24,316.5	30,244.0	74,290.5	(NA)	5,998.1	28.7
1939 ⁸	173,802	(NA)	⁹ 9,527.3	⁹ 12,706.1	7,808.2	(NA)	8,997.5	24,487.3	(NA)	(NA)	15.7
1937.....	166,794	(NA)	9,786.4	12,829.7	8,569.2	(NA)	10,112.9	25,173.5	(NA)	(NA)	(NA)
1935 ⁷	167,916	(NA)	8,262.3	9,564.8	7,203.8	(NA)	7,311.3	18,552.6	(NA)	(NA)	(NA)
1933.....	139,325	(NA)	6,557.9	¹⁰ 6,237.8	5,787.6	(NA)	4,940.1	14,007.5	(NA)	(NA)	10.2
1931.....	171,450	(NA)	(NA)	(NA)	6,163.1	(NA)	6,688.5	18,600.5	(NA)	(NA)	(NA)
1929.....	206,663	(NA)	9,659.7	14,284.3	8,369.7	(NA)	10,884.9	30,591.4	(NA)	(NA)	(NA)
1927.....	187,629	(NA)	9,072.1	13,123.1	7,848.1	(NA)	10,099.5	26,325.4	(NA)	(NA)	16.6
1925.....	183,877	(NA)	9,142.4	12,957.7	7,871.4	(NA)	9,979.6	25,667.6	(NA)	(NA)	(NA)
1923.....	192,096	(NA)	9,474.7	12,996.5	8,194.2	(NA)	10,148.6	24,569.5	(NA)	(NA)	(NA)
1921.....	192,059	(NA)	7,557.4	9,870.2	6,475.5	(NA)	7,451.3	17,252.8	(NA)	(NA)	(NA)
1919.....	270,231	(NA)	9,836.8	12,426.9	8,464.9	(NA)	9,664.0	23,841.6	(NA)	(NA)	(NA)
1914.....	268,436	(NA)	7,514.2	5,016.0	6,602.3	(NA)	3,782.3	9,385.6	(NA)	(NA)	(NA)
1909.....	264,810	(NA)	7,021.1	4,105.5	6,261.7	(NA)	3,205.2	8,160.1	(NA)	(NA)	(NA)
1904.....	213,444	(NA)	5,674.9	2,990.9	5,181.7	(NA)	2,440.9	6,019.2	(NA)	(NA)	(NA)
1899.....	204,754	(NA)	4,850.0	2,258.7	4,501.9	(NA)	1,892.6	4,647.0	(NA)	(NA)	(NA)
1899 ¹¹	509,490	(NA)	5,478.3	2,595.6	5,097.6	(NA)	2,206.5	5,474.9	(NA)	(NA)	(NA)
1889.....	353,864	(NA)	4,586.5	2,209.1	4,129.4	(NA)	1,820.9	4,120.3	(NA)	(NA)	(NA)
1879.....	253,852	(NA)	(NA)	(NA)	2,732.6	(NA)	948.0	1,972.8	(NA)	(NA)	(NA)
1869.....	252,148	(NA)	(NA)	(NA)	2,054.0	(NA)	620.5	1,395.1	(NA)	(NA)	(NA)
1859.....	140,433	(NA)	(NA)	(NA)	1,311.2	(NA)	378.9	854.3	(NA)	(NA)	(NA)
1849.....	123,025	(NA)	(NA)	(NA)	957.1	(NA)	236.8	464.0	(NA)	(NA)	(NA)

(NA) Not available.

¹The figures for 1939 to 1977 include data for employees at manufacturing establishments who were engaged in distribution and in construction work. The extent to which data for such employees were included in the figures for earlier years is not known. In addition to the employment and payroll for operating manufacturing establishments, manufacturing companies reported separately for administrative offices or auxiliary units (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.) that service the manufacturing establishment(s) of a company. These data are included in the total employment, payroll, and establishment figures for the years 1949 to 1977.

²The method of compiling these figures varied, as follows: All employees: For 1955 to 1977, figures represent the average of the number of production workers for the payroll period ended nearest the 12th of March, May, August, and November, plus all other employees for the payroll period ended nearest the 12th of March; for 1949 to 1954, they represent an average of all employees for the payroll period ended nearest the 12th of March, May, August, and November; for 1947, an average of 12 monthly figures for all employees; and for 1939 and prior years, the average number of production workers based on 12 monthly figures, plus the number of nonproduction workers for one payroll period (usually in October). Production workers: For 1949 to 1977, figures are based on employment for the payroll period ended nearest the 12th of March, May, August, and November; and for 1947 and prior years, they represent the average of 12 monthly figures.

³For the period 1954 to 1977, value added by manufacture represents adjusted value added, and for earlier years, unadjusted value added. Unadjusted value added is obtained by subtracting the cost of materials, supplies and containers, fuel, purchased electric energy, and contract work from the value of shipments for products manufactured plus receipts for services rendered. Adjusted value added also takes into account (a) value added by merchandising operations (that is, the difference between the sales value and cost of merchandise sold without further manufacture, processing, or assembly), plus (b) the net change in finished goods for work-in-process inventories between the beginning and end of the year. For 1849 to 1933, cost of contract work was not subtracted from value of shipments in calculating value added by manufacture.

⁴The figures for 1951 to 1977 include expenditures for plants under construction and not yet in operation. This information was not collected prior to 1951.

Footnotes are continued on next page.

Table 1. **Statistics for All Manufacturing Establishments Including Administrative Offices and Auxiliaries: 1977 and Earlier Years—Con.**

⁵Source: Board of Governors, Federal Reserve System.

⁶These figures represent estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, therefore, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period.

⁷The 1958 and subsequent years figures include establishments classified in Industry 3273, Ready-Mixed Concrete, and establishments classified in Industry 3599, Machinery, Except Electrical, N.E.C., that were engaged exclusively or almost exclusively in machine shop repair work. The data for such establishments are excluded from the figures for the period 1939 to 1957, but are included for 1929 and earlier years. The 1954 to 1966 figures include data for establishments engaged in the processing and distribution of fluid milk, Industry 202, Dairy Products. These establishments were not included in the figures for earlier census years. In addition, beginning with 1954, the figures include data for Industry 2411, Logging Camps and Logging Contractors, which were not included within the scope of the 1947 census. There were also a number of changes in the definition of manufacturing industries during earlier census years that affect the comparability of the historical series. Among the more important of these were the following: Figures for 1935 and later years exclude data for railroad repair shops and manufactured gas, which were included in 1899 to 1933 figures; the minimum size of establishment included for 1947 to 1966 was one employee; for 1921 to 1939, manufacturing establishments reporting value of shipments of \$5,000 or more were within scope; whereas, for 1919 and earlier years, the cutoff was \$500. (These changes in procedure have not appreciably affected the comparability of the historical data except for the figures on number of establishments.)

⁸The figures for 1939, but not for earlier years, have been revised on the basis of retabulation of the returns to exclude data for establishments classified as manufacturing in 1939 and prior years but classified as nonmanufacturing beginning with 1947. Value added by manufacture for 1939, prior to revision and on a basis comparable with 1937 and previous year, was \$24.7 billion.

⁹The 1939 figures for all employees were revised on the basis of estimates rather than by retabulation of the 1939 reports. The estimates were made in the following manner: For the number of employees, by multiplying the retabulated figure for number of production workers by the ratio of all employees to production workers computed from the unrevised 1939 statistics; for salaries and wages, by multiplying the retabulated wage figure by the ratio for salaries and wages also derived from the unrevised 1939 statistics.

¹⁰Not including data for salaried officers of corporations and their salaries and, therefore, not strictly comparable with figures for other years.

¹¹These figures for 1899 and earlier years represent hand and neighborhood manufacturing operations.

Table 2. Operating Ratios for All Manufacturing Establishments Including Administrative Offices and Auxiliaries: 1977 and Earlier Years

Year	Payroll per employee (dollars)	Assets per employee (dollars)	Production workers as percent of total employment (percent)	Annual hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials as percent of value of shipments (percent)	Cost of materials and payroll as percent of value of shipments (percent)	Assets as percent of shipments (percent)	Value added per employee (dollars)	Payroll as percent of value added (percent)	Value added per production worker hour (dollars)
1977.....	13,477	22,406	70	1,949	5.89	58	77	32	29,871	45	21.93
1976.....	12,445	21,423	70	1,943	5.43	57	77	34	27,274	46	20.17
1975.....	11,448	20,075	69	1,915	5.04	57	78	35	24,177	47	18.38
1974.....	10,497	17,131	70	1,957	4.59	57	78	33	22,802	46	16.60
1973.....	9,716	15,889	72	1,974	4.21	55	77	36	20,383	48	14.44
1972.....	9,155	15,799	71	1,974	3.95	54	77	40	18,603	49	13.26
1971.....	8,506	15,107	70	1,962	3.69	53	76	41	17,107	50	12.43
1970.....	7,966	13,910	70	1,971	3.43	53	78	42	15,623	51	11.26
1969.....	7,625	12,440	72	1,992	3.27	53	77	39	15,195	50	10.64
1968.....	7,263	11,869	72	2,005	3.11	53	77	38	14,598	50	10.12
1967.....	6,842	11,286	72	1,995	2.92	54	77	39	13,558	50	9.41
1966.....	6,589	(NA)	73	2,033	2.78	55	78	(NA)	13,188	50	8.93
1965.....	6,328	(NA)	73	2,032	2.69	55	78	(NA)	12,601	50	8.54
1964.....	6,162	9,726	72	2,035	2.61	54	78	37	11,940	52	8.17
1963.....	5,890	9,294	72	2,004	2.53	55	78	37	11,325	52	7.84
1962.....	5,624	8,890	72	2,001	2.44	55	79	37	10,681	53	7.38
1961.....	5,396	(NA)	72	1,977	2.35	56	80	(NA)	10,059	54	7.05
1960.....	5,255	(NA)	73	1,980	2.30	(NA)	(NA)	(NA)	9,784	54	6.78
1959.....	5,140	(NA)	74	1,992	2.24	(NA)	(NA)	(NA)	9,695	53	6.61
1958.....	4,889	(NA)	73	1,942	2.19	(NA)	(NA)	(NA)	8,832	55	6.24
1957.....	4,639	6,460	75	1,963	2.09	(NA)	(NA)	(NA)	8,643	54	5.86
1956.....	4,486	(NA)	76	1,987	1.99	(NA)	(NA)	(NA)	8,436	53	5.55
1955.....	4,288	(NA)	77	1,999	1.90	(NA)	(NA)	(NA)	8,028	53	5.21
1954.....	4,091	(NA)	77	1,967	1.83	(NA)	(NA)	(NA)	7,258	56	4.81
1953.....	4,013	(NA)	79	2,005	1.81	(NA)	(NA)	(NA)	7,117	56	4.49
1952.....	3,807	(NA)	79	2,016	1.71	(NA)	(NA)	(NA)	6,797	56	4.26
1951.....	3,586	(NA)	80	2,020	1.61	(NA)	(NA)	(NA)	6,539	55	4.04
1950.....	3,243	(NA)	80	2,013	1.46	(NA)	(NA)	(NA)	6,077	53	3.78
1949.....	3,080	(NA)	79	1,976	1.39	(NA)	(NA)	(NA)	5,430	57	3.46
1947.....	2,777	(NA)	83	2,040	1.24	(NA)	(NA)	(NA)	5,197	53	3.06
1939.....	1,334	(NA)	82	(NA)	(NA)	(NA)	(NA)	(NA)	2,570	52	(NA)
1937.....	1,311	(NA)	88	(NA)	(NA)	(NA)	(NA)	(NA)	2,572	51	(NA)
1935.....	1,158	(NA)	87	(NA)	(NA)	(NA)	(NA)	(NA)	2,245	52	(NA)
1933.....	951	(NA)	88	(NA)	(NA)	(NA)	(NA)	(NA)	2,136	45	(NA)
1931.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1929.....	1,479	(NA)	87	(NA)	(NA)	(NA)	(NA)	(NA)	3,167	47	(NA)
1927.....	1,447	(NA)	87	(NA)	(NA)	(NA)	(NA)	(NA)	2,902	50	(NA)
1925.....	1,417	(NA)	86	(NA)	(NA)	(NA)	(NA)	(NA)	2,808	50	(NA)
1923.....	1,372	(NA)	86	(NA)	(NA)	(NA)	(NA)	(NA)	2,593	53	(NA)
1921.....	1,306	(NA)	86	(NA)	(NA)	(NA)	(NA)	(NA)	2,283	57	(NA)
1919.....	1,263	(NA)	86	(NA)	(NA)	(NA)	(NA)	(NA)	2,424	52	(NA)
1914.....	668	(NA)	88	(NA)	(NA)	(NA)	(NA)	(NA)	1,249	53	(NA)
1909.....	585	(NA)	89	(NA)	(NA)	(NA)	(NA)	(NA)	1,162	50	(NA)
1904.....	527	(NA)	91	(NA)	(NA)	(NA)	(NA)	(NA)	1,061	50	(NA)
1899.....	466	(NA)	93	(NA)	(NA)	(NA)	(NA)	(NA)	958	49	(NA)
1899.....	474	(NA)	93	(NA)	(NA)	(NA)	(NA)	(NA)	999	47	(NA)
1889.....	482	(NA)	90	(NA)	(NA)	(NA)	(NA)	(NA)	894	54	(NA)
1879.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1869.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1859.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1849.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: For qualifications to data, see footnotes on table 1.

(NA) Not available.

Table 3 Selected Statistics for Administrative Offices and Auxiliaries by Major Industry Group of Establishments Served: 1977

1977 code	Major industry group and central administrative offices and auxiliaries	Estab- lish- ments ¹ (number)	Employ- ees (1,000)	Total payroll ² (million dollars)	1977 code	Major industry group and central administrative offices and auxiliaries	Estab- lish- ments ¹ (number)	Employ- ees (1,000)	Total payroll ² (million dollars)
	Manufacturing, total ¹	9,171	1,074.2	21,981.2	30	Rubber and miscellaneous plastics products.....	215	25.2	458.3
	Central administrative offices..	7,309	694.4	14,776.4		Central administrative offices.....	180	19.1	343.2
	Research, development, and testing.....	1,838	202.3	4,380.9		Research, development, and testing.	52	2.8	72.2
	Warehousing.....	1,647	36.6	438.7		Warehousing.....	54	.9	10.5
	Electronic data processing.....	1,739	51.2	908.8		Electronic data processing.....	44	1.0	12.2
	Other activities.....	3,029	89.6	1,476.4		Other activities.....	69	1.4	20.2
20	Food and kindred products.....	1,341	102.1	1,929.1	31	Leather and leather products.....	103	10.8	132.3
	Central administrative offices.....	1,061	76.8	1,532.2		Central administrative offices.....	87	6.9	89.5
	Research, development, and testing..	215	8.0	134.2		Research, development, and testing.	7	(2)	.5
	Warehousing.....	270	3.9	48.6		Warehousing.....	40	3.1	28.9
	Electronic data processing.....	261	5.7	115.3		Electronic data processing.....	26	.4	5.4
	Other activities.....	422	7.7	98.8		Other activities.....	57	.4	8.0
21	Tobacco manufactures.....	48	8.0	146.9	32	Stone, clay, and glass products.....	600	41.1	797.2
	Central administrative offices.....	36	5.5	107.4		Central administrative offices.....	511	29.9	581.0
	Research, development, and testing..	9	.4	5.4		Research, development, and testing.	107	5.0	89.0
	Warehousing.....	14	.3	1.8		Warehousing.....	75	.4	4.7
	Electronic data processing.....	11	.5	6.0		Electronic data processing.....	132	2.0	24.3
	Other activities.....	9	1.3	26.3		Other activities.....	333	3.8	98.2
22	Textile mill products.....	375	33.2	553.0	33	Primary metal industries.....	484	46.8	1,031.0
	Central administrative offices.....	309	22.2	389.2		Central administrative offices.....	346	35.1	806.9
	Research, development, and testing..	68	2.5	39.6		Research, development, and testing.	95	7.3	140.0
	Warehousing.....	82	2.3	24.5		Warehousing.....	60	.5	5.0
	Electronic data processing.....	75	1.8	25.6		Electronic data processing.....	82	2.0	50.4
	Other activities.....	121	4.4	74.1		Other activities.....	172	1.9	28.7
23	Apparel and other textile products....	424	27.5	403.6	34	Fabricated metal products.....	549	50.1	986.5
	Central administrative offices.....	353	18.6	296.9		Central administrative offices.....	477	36.7	744.3
	Research, development, and testing..	38	.8	13.1		Research, development, and testing.	110	6.7	120.6
	Warehousing.....	113	4.3	39.3		Warehousing.....	73	.9	10.9
	Electronic data processing.....	76	1.4	14.8		Electronic data processing.....	113	2.3	42.4
	Other activities.....	119	2.4	39.5		Other activities.....	168	3.6	68.3
24	Lumber and wood products.....	320	14.5	270.2	35	Machinery, except electrical.....	754	93.1	1,884.8
	Central administrative offices.....	265	10.6	204.6		Central administrative offices.....	592	61.4	1,330.0
	Research, development, and testing..	34	1.0	20.0		Research, development, and testing.	178	15.2	248.5
	Warehousing.....	56	.3	3.3		Warehousing.....	146	3.7	57.4
	Electronic data processing.....	57	.8	12.7		Electronic data processing.....	140	4.9	93.3
	Other activities.....	115	1.7	29.6		Other activities.....	300	7.9	155.6
25	Furniture and fixtures.....	124	9.0	140.1	36	Electric and electronic equipment....	694	140.0	2,840.9
	Central administrative offices.....	110	6.8	107.1		Central administrative offices.....	553	69.8	1,535.1
	Research, development, and testing..	16	.4	7.1		Research, development, and testing.	185	37.1	775.8
	Warehousing.....	31	.7	7.1		Warehousing.....	153	4.9	68.5
	Electronic data processing.....	31	.5	5.9		Electronic data processing.....	153	8.0	158.2
	Other activities.....	32	.5	12.9		Other activities.....	168	20.2	303.3
26	Paper and allied products.....	251	37.6	902.4	37	Transportation equipment.....	403	105.5	2,640.9
	Central administrative offices.....	219	31.7	802.0		Central administrative offices.....	307	50.5	1,312.5
	Research, development, and testing..	65	3.0	57.9		Research, development, and testing.	108	42.8	1,159.1
	Warehousing.....	15	.1	1.3		Warehousing.....	51	2.2	38.1
	Electronic data processing.....	61	1.6	20.6		Electronic data processing.....	80	3.0	65.7
	Other activities.....	59	1.2	20.6		Other activities.....	88	7.0	65.5
27	Printing and publishing.....	644	38.9	621.4	38	Instruments and related products.....	228	32.8	691.6
	Central administrative offices.....	490	23.5	405.9		Central administrative offices.....	195	19.7	420.7
	Research, development, and testing..	26	1.0	18.2		Research, development, and testing.	78	9.2	208.0
	Warehousing.....	66	4.1	38.5		Warehousing.....	38	.6	7.8
	Electronic data processing.....	57	1.8	23.5		Electronic data processing.....	44	1.7	33.7
	Other activities.....	343	8.5	135.3		Other activities.....	43	1.5	21.4
28	Chemicals and allied products.....	1,170	181.4	3,798.9	39	Miscellaneous manufacturing industries.....	157	11.2	190.1
	Central administrative offices.....	857	114.1	2,470.3		Central administrative offices.....	128	8.4	147.3
	Research, development, and testing..	360	46.3	953.3		Research, development, and testing.	30	.7	16.5
	Warehousing.....	242	2.5	30.6		Warehousing.....	38	.6	7.4
	Electronic data processing.....	212	7.1	120.6		Electronic data processing.....	37	.7	9.5
	Other activities.....	279	11.4	224.1		Other activities.....	50	.8	9.4
29	Petroleum and coal products.....	287	65.3	1,562.0					
	Central administrative offices.....	233	47.0	1,150.3					
	Research, development, and testing..	57	12.1	301.9					
	Warehousing.....	30	.3	4.5					
	Electronic data processing.....	47	4.1	68.7					
	Other activities.....	82	1.8	36.6					

(Z) Less than 50 employees.

¹Detailed establishment data exceed totals since some establishments participate in more than one activity.²Total payroll data for each industry group are actual. Detail data are estimates based on reported employment and average annual salaries determined from data collected in the 1977 Enterprise Statistics series.

Table 4. Selected Statistics by Major Industry Group and Industry: 1977 and 1972

Code	Industry group and industry	1977										Value added by manu- facture (million dollars)	Value of ship- ments ¹ (million dollars)
		Companies (number)	All establishments		All employees		Production workers						
			Total (number)	With 20 employees or more (number)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (million)	Wages (million dollars)				
	ALL INDUSTRIES, TOTAL.	300 393	359 928	118 699	19 590.1	264 013.1	13 691.0	26 686.7	157 163.7	585 165.6	1 358 526.4		
20	FOOD AND KINDRED PRODUCTS.	20 616	26 656	11 038	1 520.0	18 543.6	1 072.0	2 112.4	11 730.7	56 062.2	192 911.6		
201	MEAT PRODUCTS.	3 967	4 534	1 715	309.1	3 701.5	254.0	499.8	2 817.0	7 478.0	46 276.3		
2011	MEATPACKING PLANTS	2 403	2 590	737	146.2	2 110.6	116.5	237.2	1 625.9	4 010.1	31 208.2		
2013	SAUSAGES AND OTHER PREPARED MEATS.	1 213	1 345	570	65.0	891.9	50.1	100.4	626.6	2 039.0	8 465.4		
2016	POULTRY DRESSING PLANTS.	313	446	313	86.8	612.3	77.7	143.6	496.3	1 236.9	5 746.1		
2017	POULTRY AND EGG PROCESSING	124	153	95	11.1	86.8	9.8	18.6	68.1	192.0	856.6		
202	DAIRY PRODUCTS	2 837	3 731	1 617	153.9	1 938.9	85.0	175.6	987.6	5 648.3	26 009.8		
2021	CREAMERY BUTTER.	123	138	39	2.3	26.3	1.7	3.6	18.1	74.6	900.5		
2022	CHEESE, NATURAL AND PROCESSED.	660	791	293	26.7	287.0	22.2	44.0	223.4	948.8	6 126.0		
2023	CONDENSED AND EVAPORATED MILK.	167	266	148	12.3	163.2	9.0	18.9	110.7	805.2	3 188.5		
2024	ICE CREAM AND FROZEN DESSERTS.	507	612	229	19.1	247.0	11.4	22.7	130.1	643.7	2 008.6		
2026	FLUID MILK	1 516	1 924	908	93.5	1 215.4	40.8	86.3	505.4	3 175.9	13 786.2		
203	PRESERVED FRUITS AND VEGETABLES.	1 752	2 379	1 263	234.7	2 336.0	198.7	377.2	1 792.8	7 684.5	20 332.8		
2032	CANNED SPECIALTIES	172	203	88	26.4	296.5	21.5	42.4	224.3	² 1 142.6	² 2 829.2		
2033	CANNED FRUITS AND VEGETABLES	648	900	519	82.6	789.8	72.6	135.0	636.6	² 2 542.4	² 6 662.8		
2034	DEHYD. FRUITS, VEGETABLES, SOUPS	143	184	87	14.4	153.9	11.7	22.1	111.5	472.6	1 142.4		
2035	PICKLES, SAUCES, SALAD DRESSINGS	380	438	168	23.5	250.2	18.9	35.7	184.9	² 986.5	² 2 996.5		
2037	FROZEN FRUITS AND VEGETABLES	187	260	193	46.8	425.9	41.5	78.5	344.7	² 1 322.5	² 3 297.5		
2038	FROZEN SPECIALTIES	330	394	208	41.0	419.8	32.5	63.4	290.9	² 1 217.7	² 3 404.4		
204	GRAIN MILL PRODUCTS.	2 094	3 043	1 076	112.8	1 575.6	79.3	165.5	1 034.2	6 625.6	22 344.2		
2041	FLOUR, OTHER GRAIN MILL PRODUCTS	301	407	173	15.6	222.3	11.3	24.6	153.4	824.5	3 683.3		
2043	CEREAL BREAKFAST FOODS	32	48	35	16.4	287.4	13.8	28.8	230.0	1 447.0	2 497.5		
2044	RICE MILLING	47	59	39	4.8	61.4	4.0	8.4	40.7	341.0	1 263.4		
2045	BLENDED AND PREPARED FLOUR	111	137	60	8.4	104.5	5.8	12.1	68.0	408.7	1 011.7		
2046	WET CORN MILLING	24	39	27	10.9	191.1	7.8	15.7	132.2	666.7	2 014.8		
2047	DOG, CAT, AND OTHER PET FOOD	218	290	132	17.7	245.5	13.4	27.7	170.3	1 392.9	3 086.7		
2048	PREPARED FEEDS, NEC.	1 435	2 063	610	39.1	463.4	23.2	48.2	239.6	1 544.7	8 786.8		
205	BAKERY PRODUCTS.	2 797	3 386	1 289	221.7	2 866.1	131.4	258.7	1 525.0	7 073.2	¹ 2 235.3		
2051	BREAD, CAKE, AND RELATED PRODUCTS.	2 549	3 062	1 117	178.0	2 335.8	97.4	191.7	1 152.8	5 377.2	9 274.9		
2052	COOKIES AND CRACKERS	263	324	172	43.8	530.2	34.0	67.0	372.2	1 695.9	2 960.5		
206	SUGAR, CONFECTIONERY PRODUCTS.	990	1 198	518	105.4	1 206.2	83.7	164.8	868.3	4 150.9	10 839.8		
2061	RAW CANE SUGAR	49	65	55	8.0	95.8	6.3	13.6	70.8	275.7	704.0		
2062	CANE SUGAR REFINING.	27	40	27	10.2	168.9	7.2	15.4	116.4	526.2	2 260.0		
2063	BET SUGAR	14	57	52	11.4	143.3	9.9	21.3	119.0	344.9	1 181.7		
2065	CONFECTIONERY PRODUCTS	867	962	343	58.0	584.2	47.0	89.1	415.5	2 028.0	4 498.4		
2066	CHOCOLATE AND COCOA PRODUCTS	47	56	27	10.0	130.2	7.2	13.9	84.0	640.6	1 629.2		
2067	CHEWING GUM.	14	18	14	7.7	83.9	6.0	11.6	62.7	335.5	566.5		
207	FATS AND OILS.	591	869	458	41.1	561.4	29.6	64.3	365.4	1 905.2	14 480.0		
2074	COTTONSEED OIL MILLS	62	97	71	5.2	51.5	4.1	9.3	35.9	197.4	859.2		
2075	SOYBEAN OIL MILLS.	65	121	87	9.4	130.7	6.6	14.7	87.8	373.8	7 580.0		
2076	VEGETABLE OIL MILLS, NEC	37	42	19	1.5	17.6	1.1	2.5	12.2	58.4	360.8		
2077	ANIMAL AND MARINE FATS AND OILS.	384	500	201	12.4	171.2	8.7	19.2	103.8	583.8	1 655.0		
2079	SHORTENING AND COOKING OILS.	66	109	80	12.7	190.5	9.0	18.7	125.8	691.8	4 025.0		
208	BEVERAGES.	2 440	3 104	1 689	195.1	2 848.9	99.5	200.1	1 368.7	9 900.9	23 329.0		
2082	MALT BEVERAGES	81	131	91	44.0	857.5	31.1	61.1	589.1	2 602.3	6 652.6		
2083	MALT	27	40	27	1.6	27.4	1.2	2.5	20.0	101.4	499.3		
2084	WINES, BRANDY, AND BRANDY SPIRITS.	233	269	76	9.2	134.1	5.4	10.5	69.6	510.4	1 362.5		
2085	DISTILLED LIQUOR, EXCEPT BRANDY.	64	104	77	15.7	232.1	12.0	23.8	168.1	² 1 149.7	² 2 296.1		
2086	BOTTLED AND CANNED SOFT DRINKS	1 758	2 192	1 286	114.1	1 448.8	43.4	89.3	444.8	4 084.5	10 007.2		
2087	FLAVORING EXTRACTS, SIRUPS, NEC.	319	368	132	10.5	149.1	6.3	12.9	77.1	1 452.6	2 511.3		
209	MISC. FOODS, KINDRED PRODUCTS.	3 794	4 412	1 413	146.2	1 508.8	110.8	206.4	971.6	5 595.7	17 064.3		
2091	CANNED AND CURED SEAFOODS.	215	255	118	16.0	147.0	13.8	25.0	113.4	441.0	1 440.6		
2092	FRESH OR FROZEN PACKAGED FISH.	906	990	406	34.3	260.8	29.6	49.7	188.9	705.5	2 664.9		
2095	ROASTED COFFEE	133	167	89	10.9	164.8	7.2	15.0	103.2	988.0	5 616.4		
2097	MANUFACTURED ICE	543	678	63	5.3	47.8	3.5	6.7	25.5	106.1	149.4		
2098	MACARONI AND SPAGHETTI	189	205	68	8.2	96.0	5.7	12.3	56.5	327.0	662.0		
2099	FOOD PREPARATIONS, NEC	1 872	2 117	669	71.5	792.6	50.9	97.7	484.1	3 028.1	6 531.0		
21	TOBACCO PRODUCTS	155	228	123	60.6	750.7	50.4	92.6	570.7	4 334.1	9 050.6		
2111	CIGARETTES	8	14	13	39.0	567.7	32.5	58.9	442.0	3 803.1	6 377.4		
2121	CIGARS	94	101	34	7.7	54.9	7.0	12.7	44.0	125.6	242.7		
2131	CHEWING AND SMOKING TOBACCO.	28	35	19	3.2	32.1	2.5	4.4	22.0	188.9	354.3		
2141	TOBACCO STEMMING AND REDRYING.	38	78	57	10.7	96.1	8.4	16.6	62.6	216.5	2 076.2		
22	TEXTILE MILL PRODUCTS.	5 733	7 202	4 131	875.7	7 881.4	764.6	1 523.1	6 202.8	16 104.5	40 550.5		
2211	WEAVING MILLS, COTTON.	211	314	192	117.2	1 046.8	107.2	214.3	902.0	1 944.5	4 431.2		
2221	WEAVING MILLS, MANMADE FIBER, SILK.	267	449	351	151.0	1 428.7	134.6	275.4	1 168.7	2 790.9	6 325.9		
2231	WEAVING AND FINISHING MILLS, WOOL.	153	165	84	14.6	136.6	12.6	25.9	105.8	312.9	583.3		
2241	NARROW FABRIC MILLS.	291	335	182	20.8	171.6	18.1	35.7	130.9	350.8	682.9		
225	KNITTING MILLS	2 318	2 617	1 511	235.9	1 911.0	205.9	389.4	1 469.9	3 863.0	9 470.0		
2251	WOMEN'S HOSIERY, EXCEPT SOCKS.	176	200	119	26.6	191.3	23.8	44.1	156.6	457.0	871.2		
2252	HOSIERY, NEC	382	415	257	32.2	218.7	29.0	52.6	179.4	401.5	921.3		
2253	KNIT OUTERWEAR MILLS	903	953	551	73.0	582.0	62.7	114.0	422.0	1 159.5	2 335.9		
2254	KNIT UNDERWEAR MILLS	80	92	74									

See footnotes at end of table.

Table 4. Selected Statistics by Major Industry Group and Industry: 1977 and 1972-Con.

Code	Industry group and industry	1977--Continued						1972					
		New capital expenditures ⁴			Inventories		Ratios		All employees		Value added by manu- facture (million dollars)	Value of ship- ments ¹ (million dollars)	New capital ex- pend- itures (million dollars)
		Total (million dollars)	Struc- tures and additions (million dollars)	Machinery and equipment (million dollars)	End of year (million dollars)	Beginning of year (million dollars)	Spe- cial- iza- tion (per- cent)	Cov- er- age (per- cent)	Num- ber (1,000)	Payroll (million dollars)			
	ALL INDUSTRIES, TOTAL.	47 459.0	8 499.5	38 959.5	188 436.4	174 865.0	(NA)	(NA)	19 028.7	174 205.5	353 994.0	756 534.3	24 077.7
20	FOOD AND KINDRED PRODUCTS.	4 214.9	908.5	3 306.4	16 984.9	16 416.3	(NA)	(NA)	1 569.3	12 920.2	35 614.8	115 051.5	2 355.0
201	MEAT PRODUCTS.	532.7	144.7	387.9	1 379.7	1 273.1	(NA)	(NA)	307.7	2 543.6	4 960.9	31 477.9	299.6
2011	MEATPACKING PLANTS.	236.7	63.6	173.1	700.1	651.2	98	84	157.5	1 532.1	2 968.1	23 003.4	167.7
2013	SAUSAGES AND OTHER PREPARED MEATS.	151.6	40.4	111.2	406.4	375.1	97	60	58.1	542.2	1 099.9	4 632.4	74.0
2016	POULTRY DRESSING PLANTS.	126.1	36.6	89.5	206.8	188.3	99	92	77.6	391.8	724.4	3 254.1	45.5
2017	POULTRY AND EGG PROCESSING.	18.3	4.2	14.1	66.3	58.6	99	73	14.6	77.5	168.5	588.1	12.4
202	DAIRY PRODUCTS.	389.0	89.3	299.7	1 180.2	1 096.9	(NA)	(NA)	188.7	1 596.4	4 054.1	16 311.5	274.7
2021	CREAMERY BUTTER.	8.3	1.9	6.4	24.2	25.4	80	61	4.0	31.0	82.3	808.3	7.8
2022	CHEESE, NATURAL AND PROCESSED.	57.2	12.9	44.3	550.4	528.3	91	93	25.2	186.3	492.3	3 195.0	49.9
2023	CONDENSED AND EVAPORATED MILK.	56.2	12.1	44.2	175.0	164.4	79	76	12.3	108.3	467.3	1 667.8	32.1
2024	ICE CREAM AND FROZEN DESSERTS.	56.8	20.3	36.4	126.6	116.9	94	75	21.1	184.7	459.8	1 244.7	35.8
2026	FLUID MILK.	210.5	42.0	168.5	304.0	261.8	88	94	126.1	1 086.1	2 552.4	9 395.7	149.2
203	PRESERVED FRUITS AND VEGETABLES.	470.5	104.8	365.7	4 537.7	4 193.5	(NA)	(NA)	233.1	1 533.5	4 514.4	11 478.6	358.4
2032	CANNED SPECIALTIES.	46.7	11.2	35.5	527.8	508.4	80	89	29.1	217.8	814.6	1 876.6	44.1
2033	CANNED FRUITS AND VEGETABLES.	147.1	33.3	113.8	2 233.5	2 062.1	90	89	89.8	559.9	1 625.1	4 043.8	113.1
2034	DEHYD. FRUITS, VEGETABLES, SOUPS.	52.5	15.6	36.9	281.9	267.0	94	88	12.4	84.3	235.7	607.3	18.9
2035	PICKLES, SAUCES, SALAD DRESSINGS.	52.3	11.7	40.6	447.8	426.7	69	86	20.8	146.2	428.0	1 166.7	43.4
2037	FROZEN FRUITS AND VEGETABLES.	87.7	14.1	73.6	724.4	640.3	89	89	42.8	261.2	694.6	1 848.8	57.8
2038	FROZEN SPECIALTIES.	84.1	18.9	65.2	322.2	288.9	93	93	38.3	264.1	716.3	1 935.5	81.0
204	GRAIN MILL PRODUCTS.	620.0	126.2	493.8	1 714.5	1 674.5	(NA)	(NA)	111.4	1 012.8	3 698.7	12 162.2	266.6
2041	FLOUR, OTHER GRAIN MILL PRODUCTS.	52.4	15.2	37.2	263.2	297.8	98	71	16.1	152.8	509.8	2 380.0	30.0
2043	CEREAL BREAKFAST FOODS.	79.8	10.8	69.0	152.1	150.3	74	93	12.9	140.9	688.4	1 125.5	24.9
2044	RICE MILLING.	40.0	11.5	28.5	411.4	329.4	100	96	4.0	30.9	148.3	680.6	6.3
2045	BLENDED AND PREPARED FLOUR.	17.6	5.8	11.8	80.6	72.3	94	75	7.9	74.9	306.8	704.6	13.7
2046	WET CORN MILLING.	232.2	34.2	198.0	158.4	169.8	94	93	12.1	137.7	331.2	832.3	59.7
2047	DOG, CAT, AND OTHER PET FOOD.	67.2	13.4	53.7	200.7	193.8	92	88	14.3	135.1	613.8	1 401.9	61.1
2048	PREPARED FEEDS, NEC.	130.9	35.3	95.6	448.2	461.0	96	95	44.0	340.5	1 100.5	5 037.1	70.8
205	BAKERY PRODUCTS.	365.4	78.4	287.1	407.1	382.5	(NA)	(NA)	234.6	2 029.0	4 537.0	7 895.5	207.3
2051	BREAD, CAKE, AND RELATED PRODUCTS.	279.9	52.2	227.6	235.1	220.6	99	98	193.5	1 692.2	3 518.1	6 132.0	170.6
2052	COOKIES AND CRACKERS.	85.6	26.1	59.4	172.0	161.9	94	94	41.1	336.9	1 018.9	1 763.5	36.7
206	SUGAR, CONFECTIONERY PRODUCTS.	313.0	60.3	252.6	1 661.8	1 551.8	(NA)	(NA)	107.1	831.5	2 472.9	6 620.1	186.2
2061	RAW CANE SUGAR.	43.4	4.0	39.3	107.9	97.3	100	99	7.1	60.7	151.7	406.5	28.8
2062	CANE SUGAR REFINING.	53.4	10.8	42.7	345.1	275.9	99	100	10.9	119.5	383.9	1 742.7	23.6
2063	BET SUGAR.	43.5	4.6	38.9	467.1	469.2	99	99	11.5	92.3	310.5	880.2	34.9
2065	CONFECTIONERY PRODUCTS.	115.5	25.9	89.5	450.2	442.6	95	94	60.7	422.2	1 115.7	2 472.5	53.4
2066	CHOCOLATE AND COCOA PRODUCTS.	35.0	11.2	23.8	175.1	139.2	94	94	10.0	83.3	282.6	735.5	26.5
2067	CHEWING GUM.	22.1	3.7	18.4	116.4	127.6	92	77	6.9	53.6	228.4	382.6	19.0
207	FATS AND OILS.	208.1	37.3	170.9	1 484.2	1 972.7	(NA)	(NA)	40.3	366.4	1 290.5	6 908.8	121.4
2074	COTTONSEED OIL MILLS.	13.0	2.9	10.0	195.4	249.6	88	89	5.5	34.2	88.2	458.7	9.9
2075	SOYBEAN OIL MILLS.	72.3	14.1	58.2	804.9	1 205.9	87	98	9.1	82.4	350.0	3 357.2	41.9
2076	VEGETABLE OIL MILLS, NEC.	7.4	2.1	5.3	89.3	83.1	86	58	1.2	11.6	44.8	261.0	3.1
2077	ANIMAL AND MARINE FATS AND OILS.	53.3	8.9	44.3	70.2	54.0	94	68	11.6	106.0	296.7	764.7	31.0
2079	SHORTENING AND COOKING OILS.	62.1	9.2	53.0	324.3	380.1	89	77	12.9	133.7	512.6	2 068.1	35.5
208	BEVERAGES.	993.9	197.0	796.8	2 940.0	2 759.8	(NA)	(NA)	212.3	2 032.7	6 689.0	13 869.4	468.2
2082	MALT BEVERAGES.	410.3	74.8	335.5	444.6	406.5	100	100	51.5	652.8	1 993.6	4 054.4	155.6
2083	MALT.	39.6	19.5	20.1	134.2	183.0	100	100	1.7	20.0	55.0	226.3	7.9
2084	WINES, BRANDY, AND BRANDY SPIRITS.	51.1	13.6	37.6	559.5	513.5	98	97	9.4	91.5	407.9	865.0	43.7
2085	DISTILLED LIQUOR, EXCEPT BRANDY.	36.3	9.8	26.5	1 027.9	996.6	98	98	18.4	183.1	1 024.0	1 797.9	32.8
2086	BOTTLED AND CANNED SOFT DRINKS.	423.6	72.5	351.0	551.7	467.2	98	97	121.1	984.4	2 336.7	5 453.8	207.1
2087	FLAVORING EXTRACTS, SIRUPS, NEC.	33.1	6.9	26.2	222.1	193.1	92	86	10.1	100.9	871.9	1 472.0	21.1
209	MISC. FOODS, KINDRED PRODUCTS.	322.4	70.5	251.9	1 679.9	1 511.5	(NA)	(NA)	134.2	974.2	3 397.3	8 335.5	172.5
2091	CANNED AND CURED SEAFOODS.	28.1	8.9	19.2	311.1	256.6	81	96	16.0	99.0	231.4	809.8	15.5
2092	FRESH OR FROZEN PACKAGED FISH.	56.8	19.0	37.8	376.7	313.3	97	97	25.0	129.6	287.5	1 084.4	17.8
2095	ROASTED COFFEE.	41.9	1.4	40.4	405.3	383.9	96	98	12.9	131.5	825.8	2 328.7	31.5
2097	MANUFACTURED ICE.	16.9	5.2	11.6	4.4	3.3	99	99	6.8	42.6	91.7	116.4	8.9
2098	MACARONI AND SPAGHETTI.	12.6	3.3	9.2	48.4	45.1	99	83	7.3	59.4	155.7	348.3	7.1
2099	FOOD PREPARATIONS, NEC.	166.2	32.6	133.6	534.1	509.4	89	83	66.2	512.1	1 805.2	3 647.9	91.8
21	TOBACCO PRODUCTS.	181.5	56.7	124.7	3 711.9	3 615.2	(NA)	(NA)	66.3	502.1	2 637.2	5 920.2	133.2
2111	CIGARETTES.	118.0	41.2	76.8	2 652.2	2 564.7	97	99	38.1	344.8	2 188.4	3 744.6	101.5
2121	CIGARS.	3.3	.3	3.0	57.8	54.9	(D						

See footnotes at end of table.

Table 4. Selected Statistics by Major Industry Group and Industry: 1977 and 1972-Con.

1977											
Code	Industry group and industry	Companies (number)	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Value of ship- ments ¹ (million dollars)
			Total (number)	With 20 employees or more (number)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (million)	Wages (million dollars)		
227	FLOOR COVERING MILLS	533	592	285	55.8	556.7	44.3	91.4	379.7	1 530.1	4 774.5
2271	WOVEN CARPETS AND RUGS	71	71	16	2.8	24.8	2.5	4.7	20.0	47.1	138.7
2272	TUFTED CARPETS AND RUGS	397	449	251	50.2	506.5	39.4	82.2	341.1	1 438.2	4 520.7
2279	CARPETS AND RUGS, NFC	72	72	18	2.8	25.3	2.4	4.5	18.6	44.8	115.2
228	YARN AND THREAD MILLS	529	798	608	140.5	1 184.4	127.3	258.2	994.3	2 254.5	6 114.4
2281	YARN MILLS, EXCEPT WOOL	274	456	370	93.0	782.7	85.6	175.2	675.5	1 480.3	3 864.9
2282	THROWING AND WINDING MILLS	170	196	148	30.5	262.3	27.1	54.5	210.4	490.4	1 510.1
2283	WOOL YARN MILLS	71	76	43	4.1	33.1	3.7	7.3	27.3	81.8	194.9
2284	THREAD MILLS	58	70	47	12.8	106.3	10.9	21.1	81.1	201.9	544.4
229	MISCELLANEOUS TEXTILE GOODS	1 150	1 254	523	67.9	705.6	54.8	109.2	497.5	1 641.1	4 173.9
2291	FELT GOODS, EXC. WOVEN FELT, HATS	37	46	27	4.3	50.7	3.3	6.7	33.1	103.0	197.7
2292	LACE GOODS	68	71	24	2.2	17.9	1.9	3.6	14.0	27.7	45.9
2293	PADDINGS AND UPHOLSTERY FILLING	113	120	56	5.2	52.9	4.1	8.4	36.4	124.5	251.8
2294	PROCESSED TEXTILE WASTE	95	99	39	3.7	31.2	3.1	6.3	23.1	61.7	178.4
2295	COATED FABRICS, NOT RUBBERIZED	175	191	109	13.6	182.3	9.9	20.9	117.1	413.1	1 059.0
2296	TIRE CORD AND FABRIC	8	20	20	9.6	94.7	8.5	16.2	78.1	242.1	1 013.2
2297	NONWOVEN FABRICS	81	100	74	13.0	139.8	10.4	21.1	100.2	386.0	864.4
2298	CORDAGE AND TWINE	151	171	84	9.5	79.5	7.9	14.2	53.7	173.8	332.2
2299	TEXTILE GOODS, NEC	432	436	90	6.7	56.6	5.7	11.8	41.8	109.2	231.1
23	APPAREL, OTHER TEXTILE PRODS	23 754	26 505	11 932	1 334.3	9 658.6	1 156.6	2 037.6	7 252.6	19 671.3	40 245.1
2311	MEN'S AND BOYS' SUITS AND COATS	619	737	467	98.7	822.2	86.2	152.9	645.4	1 574.4	2 767.5
232	MEN'S AND BOYS' FURNISHINGS	2 121	3 013	2 129	364.5	2 340.1	323.4	575.3	1 863.5	4 935.2	10 003.2
2321	MEN'S, BOYS' SHIRTS, NIGHTWEAR	669	928	679	114.7	711.3	103.0	184.1	569.9	1 445.7	2 934.6
2322	MEN'S AND BOYS' UNDERWEAR	56	76	59	15.1	92.2	13.7	23.8	79.0	218.2	419.8
2323	MEN'S AND BOYS' NECKWEAR	198	207	81	6.3	57.5	5.1	8.7	33.4	117.5	223.8
2327	MEN'S AND BOYS' SEPARATE TROUSERS	404	514	335	70.9	474.0	61.9	107.6	372.0	845.6	1 718.0
2328	MEN'S AND BOYS' WORK CLOTHING	347	656	575	113.7	719.4	101.6	183.7	589.9	1 765.4	3 641.9
2329	MEN'S AND BOYS' CLOTHING, NEC	553	632	400	43.8	285.8	38.1	67.4	219.3	542.8	1 065.1
233	WOMEN'S AND MISSES' OUTERWEAR	11 121	11 834	5 556	447.5	3 152.8	387.3	660.9	2 304.2	6 429.8	12 720.3
2331	WOMEN'S, MISSES' BLOUSES, WAISTS	1 292	1 415	952	83.3	569.0	73.8	125.0	424.3	1 192.5	2 333.6
2335	WOMEN'S AND MISSES' DRESSES	6 753	6 953	2 473	175.3	1 197.1	153.0	261.0	882.5	2 233.7	4 188.6
2337	WOMEN'S, MISSES' SUITS AND COATS	1 558	1 672	1 067	84.7	654.0	72.7	123.3	468.5	1 429.6	2 912.9
2339	WOMEN'S, MISSES' OUTERWEAR, NEC	1 625	1 794	1 064	104.1	732.7	87.9	151.5	528.9	1 574.0	3 285.1
234	WOMEN'S, CHILDREN'S UNDERGARMS	693	878	595	91.8	613.2	78.6	139.6	448.9	1 249.7	2 430.8
2341	WOMEN'S AND CHILDREN'S UNDERWEAR	548	698	479	72.9	472.1	63.4	112.6	359.8	915.3	1 780.8
2342	BRASSIERES AND ALLIED GARMENTS	150	180	116	18.9	141.1	15.2	27.0	89.1	334.4	650.0
235	HATS, CAPS, AND MILLINERY	381	409	169	15.1	105.2	13.3	23.8	79.1	185.5	359.9
2351	MILLINERY	151	151	47	2.7	20.2	2.2	3.7	13.7	32.8	75.1
2352	HATS AND CAPS, EXCEPT MILLINERY	230	258	122	12.4	85.1	11.1	20.1	65.3	152.7	284.8
236	CHILDREN'S OUTERWEAR	844	1 002	686	71.2	459.1	61.2	107.6	348.9	879.2	1 717.3
2361	CHILDREN'S DRESSES AND BLOUSES	455	519	374	35.2	228.4	30.4	52.5	169.7	444.6	824.7
2363	CHILDREN'S COATS AND SUITS	108	120	70	6.7	45.8	5.7	9.7	35.1	90.2	173.8
2369	CHILDREN'S OUTERWEAR, NEC	307	363	242	29.3	184.9	25.1	45.4	144.1	344.4	718.8
2371	FUR GOODS	620	620	48	4.0	51.5	3.2	5.1	36.2	112.8	383.4
238	MISC. APPAREL AND ACCESSORIES	1 207	1 284	593	56.3	407.5	47.9	84.8	288.2	845.3	1 649.5
2381	FABRIC DRESS AND WORK GLOVES	100	132	92	10.9	69.0	9.9	18.0	56.3	160.9	312.4
2384	ROBES AND DRESSING GOWNS	137	151	98	9.5	64.3	8.2	14.7	47.8	139.5	288.3
2385	WATERPROOF OUTERGARMENTS	157	167	105	12.0	89.4	10.1	17.9	61.6	194.4	348.8
2386	LEATHER AND SHEEP LINED CLOTHING	236	239	80	6.7	54.7	5.9	10.4	41.1	94.8	214.1
2387	APPAREL BELTS	281	284	119	9.4	76.1	7.3	12.6	44.6	150.3	286.9
2389	APPAREL AND ACCESSORIES, NEC	304	311	99	7.8	54.0	6.5	11.2	36.9	105.4	199.0
239	MISC. FABRICATED TEXTILE PRODS	6 444	6 728	1 689	185.2	1 706.9	155.5	287.6	1 238.3	3 459.4	8 213.2
2391	CURTAINS AND DRAPERIES	1 650	1 712	324	31.7	224.7	27.2	47.9	163.6	407.3	1 013.1
2392	HOUSEFURNISHINGS, NEC	980	1 051	403	47.5	366.4	39.8	75.4	260.0	782.9	2 294.0
2393	TEXTILE BAGS	211	228	90	8.2	66.7	6.8	12.9	46.8	122.2	321.8
2394	CANVAS AND RELATED PRODUCTS	987	1 003	148	13.9	121.6	11.0	19.3	75.1	237.4	486.8
2395	PLEATING AND STITCHING	770	778	206	16.1	130.9	13.2	22.9	89.0	281.8	620.2
2396	AUTOMOTIVE AND APPAREL TRIMMINGS	686	715	188	30.9	476.4	26.3	51.7	374.0	1 000.2	2 166.3
2397	SCHIFFLI MACHINE EMBROIDERIES	357	363	58	6.0	56.3	5.3	10.4	42.5	96.7	158.0
2399	FABRICATED TEXTILE PRODUCTS, NEC	845	878	272	31.1	263.8	26.0	47.1	187.4	531.0	1 152.9
24	LUMBER AND WOOD PRODUCTS	34 962	37 302	7 056	692.4	7 424.7	594.8	1 147.6	5 795.0	16 222.9	39 919.4
2411	LOGGING CAMPS, LOG CONTRACTORS	15 344	15 469	708	83.3	1 009.0	74.5	127.7	840.1	2 418.7	6 230.1
242	SAWMILLS AND PLANING MILLS	8 263	9 000	2 273	211.3	2 228.3	187.8	375.8	1 849.0	4 975.0	11 969.3
2421	SAWMILLS, PLANING MILLS, GENERAL	6 966	7 544	1 827	175.2	1 943.0	155.8	315.6	1 622.7	4 452.8	10 866.7
2426	HARDWOOD DIMENSION AND FLOORING	845	890	345	29.1	225.0	25.8	49.8	177.5	413.1	850.0
2429	SPECIAL PRODUCT SAWMILLS, NEC	522	566	101	7.0	60.3	6.1	10.4	48.8	109.1	252.6
243	MILLWORK, PLYWOOD, STRUC. MEMBS.	5 710	6 149	1 878	197.1	2 216.4	167.4	328.8	1 714.9	4 700.4	11 381.9
2431	MILLWORK	2 209	2 333	692	68.6	742.2	56.6	108.4	542.0	1 497.9	3 928.1
2434	WOOD KITCHEN CABINETS	2 451	2 583	510	46.2	481.1	38.7	72.3	352.3	868.6	1 590.8
2435	HARDWOOD VENEER AND PLYWOOD	274	321	227	22.3	211.5	19.1	37.9	162.0	420.2	1 250.4
2436	SOFTWOOD VENEER AND PLYWOOD	129	256	224	46.2	634.6	41.9	89.4	556.9	1 583.7	3 804.8
2439	STRUCTURAL WOOD MEMBERS, NEC	620	656	225	13.8	147.0	11.0	20.8	101.6	330.0	807.7
244	WOOD CONTAINERS	1 882	1 949	540	37.8	299.6	33.4	61.3	233.7	539.7	1 217.1
2441	NAILED WOOD BOXES AND SHOOK	391	396	110	8.6	68.6	7.5	13.7	53.6	116.2	263.3
2448	WOOD PALLETS AND SKIDS	1 267	1 290	348	20.3	163.8	17.9	32.1	126.3	303.1	698.0
2449	WOOD CONTAINERS, NEC	238	263	82	8.9	67.2	8.0	15.5	53.7	120.4	255.8
245	WOOD BUILDINGS AND MOBILE HOMES	803	1 165	752	79.5	858.2	63.0	121.1	576.2	1 789.1	5 147.9

See footnotes at end of table.

Table 4. Selected Statistics by Major Industry Group and Industry: 1977 and 1972-Con.

Code	Industry group and industry	1977--Continued						1972					
		New capital expenditures ^a			Inventories		Ratios		All employees		Value added by manu- facture (million dollars)	Value of ship- ments ¹ (million dollars)	New capital-expend- itures (million dollars)
		Total (million dollars)	Struc- tures and additions to plant (million dollars)	Machinery and equipment (million dollars)	End of year (million dollars)	Beginning of year (million dollars)	Spe- cial- iza- tion (per- cent)	Cov- er- age (per- cent)	Num- ber (1,000)	Payroll (million dollars)			
227	FLOOR COVERING MILLS	82.5	12.1	70.4	753.5	694.2	(NA)	(NA)	59.9	415.3	1 076.0	3 153.0	74.7
2271	WOVEN CARPETS AND RUGS	1.1	.4	.8	26.9	23.9	(D)	81	6.5	44.5	93.2	212.3	3.2
2272	TUFTED CARPETS AND RUGS	78.7	11.1	67.6	696.8	644.1	96	99	50.1	348.0	926.8	2 775.2	67.1
2279	CARPETS AND RUGS, NEC.	2.6	.6	2.0	29.9	26.2	(D)	74	3.3	23.6	58.2	165.5	4.4
228	YARN AND THREAD MILLS.	180.0	23.9	156.1	616.0	592.1	(NA)	(NA)	147.5	866.1	1 579.5	4 242.8	221.7
2281	YARN MILLS, EXCEPT WOOL.	114.4	13.5	101.0	363.6	362.2	92	72	89.6	516.3	867.2	2 248.3	96.3
2282	THROWING AND WINDING MILLS	51.1	8.3	42.9	132.3	122.1	92	55	38.0	230.9	477.8	1 427.6	113.7
2283	WOOL YARN MILLS.	2.7	.2	2.5	17.4	18.7	90	71	8.3	49.7	92.7	221.4	4.2
2284	THREAD MILLS	11.8	2.0	9.8	102.7	89.2	96	91	11.7	69.2	141.8	345.4	7.5
229	MISCELLANEOUS TEXTILE GOODS.	112.0	29.4	82.6	641.3	610.5	(NA)	(NA)	71.9	539.7	1 149.4	2 813.1	82.3
2291	FELT GOODS, EXC. WOVEN FELT, HATS.	5.7	1.5	4.3	36.3	33.0	82	82	5.0	38.3	80.5	146.5	2.8
2292	LACE GOODS	1.0	.2	.8	12.6	11.7	98	98	2.9	17.3	29.4	47.1	1.7
2293	PADDINGS AND UPHOLSTERY FILLING.	5.8	1.9	4.0	19.6	19.1	92	84	4.4	34.2	64.5	134.6	2.9
2294	PROCESSED TEXTILE WASTE.	5.8	1.9	3.9	27.5	26.2	98	95	3.6	22.2	50.9	133.8	3.2
2295	COATED FABRICS, NOT RUBBERIZED	26.0	7.8	18.2	190.0	188.4	87	89	18.0	167.8	382.4	865.8	29.6
2296	TIRE CORD AND FABRIC	7.0	.5	6.6	126.7	130.0	90	99	10.0	70.0	145.8	685.1	8.8
2297	NONWOVEN FABRICS	41.1	10.5	30.5	121.5	104.0	86	66	10.8	80.6	191.8	397.4	15.0
2298	CORDAGE AND TWINE.	6.5	1.7	4.9	79.4	73.4	90	95	9.0	55.4	96.3	191.0	4.9
2299	TEXTILE GOODS, NEC.	13.0	3.5	9.4	27.8	24.7	96	68	8.3	53.9	107.7	211.8	13.4
23	APPAREL, OTHER TEXTILE PRODS	456.7	114.0	342.6	5 535.8	5 125.3	(NA)	(NA)	1 368.3	7 212.0	13 487.5	27 809.2	363.5
2311	MEN'S AND BOYS' SUITS AND COATS.	25.8	5.8	20.0	470.5	416.8	93	92	124.8	770.3	1 342.2	2 396.9	22.5
232	MEN'S AND BOYS' FURNISHINGS.	118.3	32.2	86.1	1 547.6	1 409.0	(NA)	(NA)	363.4	1 692.3	3 241.6	6 904.6	90.2
2321	MEN'S, BOYS' SHIRTS, NIGHTWEAR	25.9	6.2	19.7	501.4	442.6	92	92	113.4	514.9	1 003.8	2 104.3	24.1
2322	MEN'S AND BOYS' UNDERWEAR.	2.6	.5	2.0	55.1	50.8	87	91	16.0	68.6	130.9	239.3	5.7
2323	MEN'S AND BOYS' NECKWEAR	2.6	.8	1.8	29.6	26.3	100	97	11.1	70.0	143.4	294.9	4.0
2327	MEN'S AND BOYS' SEPARATE TROUSERS.	22.8	5.0	17.9	281.9	279.8	84	88	91.3	439.3	784.9	1 745.0	22.2
2328	MEN'S AND BOYS' WORK CLOTHING.	44.1	13.8	30.3	477.7	427.4	89	94	89.6	389.0	784.8	1 738.0	24.1
2329	MEN'S AND BOYS' CLOTHING, NEC.	20.2	5.9	14.3	201.9	182.2	83	80	41.9	210.4	393.8	783.2	10.1
233	WOMEN'S AND MISSES' OUTERWEAR.	133.6	36.9	96.7	1 338.2	1 259.4	(NA)	(NA)	432.6	2 269.6	4 102.0	8 278.2	98.3
2331	WOMEN'S, MISSES' BLOUSES, WAISTS	24.0	4.9	19.2	222.5	197.3	85	75	63.0	328.1	592.4	1 254.9	30.0
2335	WOMEN'S AND MISSES' DRESSES.	45.2	10.8	34.5	386.1	363.0	95	95	211.6	1 076.9	1 888.7	3 580.0	32.6
2337	WOMEN'S, MISSES' SUITS AND COATS	22.0	7.5	14.5	297.0	291.1	80	83	75.9	446.7	839.8	1 805.3	16.4
2339	WOMEN'S, MISSES' OUTERWEAR, NEC.	42.4	13.8	28.5	432.6	408.0	80	81	82.1	417.9	781.0	1 638.0	19.3
234	WOMEN'S, CHILDREN'S UNDERGARMS	22.9	6.3	16.7	397.7	373.1	(NA)	(NA)	105.4	524.8	1 049.0	1 978.9	24.0
2341	WOMEN'S AND CHILDREN'S UNDERWEAR	18.7	5.5	13.2	275.9	256.5	95	87	77.5	372.0	709.0	1 331.9	19.3
2342	BRASSIERES AND ALLIED GARMENTS	4.2	.8	3.5	121.9	116.7	92	99	28.0	152.8	340.0	647.0	4.6
235	HATS, CAPS, AND MILLINERY.	4.1	1.2	2.9	57.5	53.4	(NA)	(NA)	14.5	72.6	133.4	229.1	2.2
2351	MILLINERY. . . . .	.2	(2)	.2	5.8	5.7	99	(D)	3.2	17.0	33.2	58.1	.3
2352	HATS AND CAPS, EXCEPT MILLINERY.	3.9	1.2	2.7	51.7	47.6	96	94	11.3	55.6	100.2	171.0	1.9
236	CHILDREN'S OUTERWEAR	14.4	2.5	12.0	245.7	239.5	(NA)	(NA)	74.8	367.5	709.1	1 421.9	19.8
2361	CHILDREN'S DRESSES AND BLOUSES	6.4	1.2	5.2	106.5	94.9	89	87	35.4	174.4	335.8	655.2	12.9
2363	CHILDREN'S COATS AND SUITS	1.3	.2	1.1	20.7	17.1	87	78	9.2	48.5	90.4	188.5	.8
2369	CHILDREN'S OUTERWEAR, NEC.	6.7	1.1	5.6	118.5	127.5	84	77	30.1	144.6	282.9	578.2	6.1
2371	FUR GOODS. . . . .	.5	.2	.3	46.5	41.3	100	99	4.7	41.2	86.2	220.0	1.1
238	MISC. APPAREL AND ACCESSORIES.	20.7	5.2	15.5	274.7	242.9	(NA)	(NA)	61.9	334.6	635.9	1 280.0	14.9
2381	FABRIC DRESS AND WORK GLOVES	3.5	.4	3.1	42.1	39.1	91	84	11.9	56.3	100.3	198.8	1.9
2384	ROBES AND DRESSING GOWNS	3.3	.9	2.5	44.1	38.0	89	93	10.0	50.0	92.5	202.8	2.0
2385	WATERPROOF OUTERGARMENTS	5.6	2.1	3.5	59.6	52.6	91	90	15.4	86.4	168.8	332.1	2.4
2386	LEATHER AND SHEEP LINED CLOTHING	1.6	.6	.9	32.3	25.8	97	91	7.0	40.8	82.1	172.1	2.5
2387	APPAREL BELTS.	2.5	.3	2.2	50.9	43.9	88	96	10.3	65.9	132.5	257.5	3.2
2389	APPAREL AND ACCESSORIES, NEC.	4.2	1.0	3.2	45.7	43.4	90	95	7.3	35.3	59.7	116.8	2.8
239	MISC. FABRICATED TEXTILE PRODS	116.4	23.7	92.7	1 157.4	1 090.0	(NA)	(NA)	186.2	1 139.1	2 188.2	5 099.5	90.4
2391	CURTAINS AND DRAPERIES	7.2	1.6	5.6	151.2	140.5	95	93	33.9	167.1	302.3	754.9	9.5
2392	HOUSEFURNISHINGS, NEC.	26.9	6.3	20.6	393.0	345.7	89	61	50.3	281.9	585.2	1 526.9	29.9
2393	TEXTILE BAGS	5.8	1.4	4.4	59.4	57.6	82	84	7.9	44.0	74.5	255.1	5.5
2394	CANVAS AND RELATED PRODUCTS.	8.4	2.2	6.2	101.0	91.5	93	92	12.9	75.9	130.3	276.4	4.0
2395	PLEATING AND STITCHING	9.3	1.8	7.5	82.9	75.5	96	98	16.7	89.2	174.7	308.2	3.2
2396	AUTOMOTIVE AND APPAREL TRIMMINGS	36.1	6.4	29.6	194.3	214.7	98	96	27.6	266.6	530.8	1 133.0	10.4
2397	SCHIFFLI MACHINE EMBROIDERIES.	3.3	.4	2.9	10.1	8.9	97	98	5.5	38.9	75.0	120.5	2.2
2399	FABRICATED TEXTILE PRODUCTS, NEC.	19.4	3.7	15.7	165.4	155.6	94	89	31.4	175.3	315.5	724.7	25.9
24	LUMBER AND WOOD PRODUCTS	1 562.6	290.9	1 271.6	4 663.8	4 258.1	(NA)	(NA)	691.0	4 985.6	10 310.2	23 829.7	931.2
2411	LOGGING CAMPS, LOG CONTRACTORS	386.5	56.3	330.2	555.8	520.6	97	94	80.0	523.9	1 163.4	2 529.5	157.0
242	SAWMILLS AND PLANING MILLS	584.2	100.0	484.2	1 598.8	1 493.2	(NA)	(NA)	204.4	1 488.4	3 259.3	7 244.3	329.3
2421	SAWMILLS, PLANING MILLS, GENERAL	535.8	86.8	449.0	1 420.6	1 333.7	92	93	166.6	1 272.2	2 906.0	6 470.8	306.8
2426	HARDWOOD DIMENSION AND FLOORING.	35.3	9.3	26.0	147.4	125.3	91	92	31.5	173.9	272.1	579.0	16.8
2429	SPECIAL PRODUCT SAWMILLS, NEC.	13.1	3.9	9.2	30.8	34.2	98	92	6.4	40.0	80.4	180.8	5.7
243	MILLWORK, PLYWOOD, STRUC. MEMBS.	272.7	58.5	214.2	1 344.9	1 208.3	(NA)	(NA)	190.7	1 474.3	2 908.4	6 703.3	194.8
2431	MILLWORK	81.0	27.6	53.3	605.0	545.3	94	94	70.5	524.5	962.7	2 426.8	57.2
2434	WOOD KITCHEN CABINETS.	36.7	11.3	25.5	212.3	187.2	96	96	38.8	286.6	486.7</		

See footnotes at end of table.

Table 4. Selected Statistics by Major Industry Group and Industry: 1977 and 1972-Con.

Code	Industry group and industry	1977									Value added by manu- facture (million dollars)	Value of ship- ments ¹ (million dollars)
		Companies (number)	All establishments		All employees		Production workers					
			Total (number)	With 20 employees or more (number)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (million)	Wages (million dollars)			
2451	MOBILE HOMES	308	597	465	50.5	527.6	41.8	80.5	371.8	1 030.5	3 199.3	
2452	PREFABRICATED WOOD BUILDINGS	512	568	287	29.0	330.6	21.2	40.6	204.4	758.6	1 948.6	
249	MISCELLANEOUS WOOD PRODUCTS.	3 292	3 570	905	83.4	813.3	68.8	132.8	581.2	1 799.9	3 973.1	
2491	WOOD PRESERVING.	366	457	192	12.6	126.1	9.9	19.7	82.9	327.1	962.6	
2492	PARTICLEBOARD.	36	63	51	6.2	79.1	5.0	10.9	60.3	207.2	452.9	
2499	WOOD PRODUCTS, NEC	2 909	3 050	662	64.6	608.1	53.9	102.3	438.0	1 265.5	2 557.6	
25	FURNITURE AND FIXTURES	9 421	10 235	3 588	463.8	4 448.3	383.6	736.4	3 191.8	8 921.7	16 978.0	
251	HOUSEHOLD FURNITURE.	5 585	6 161	2 224	309.7	2 669.2	265.2	505.3	1 998.7	5 212.7	10 392.1	
2511	WOOD HOUSEHOLD FURNITURE	2 795	2 983	816	141.0	1 138.8	124.8	245.0	898.7	2 239.9	4 148.8	
2512	UPHOLSTERED HOUSEHOLD FURNITURE.	1 357	1 473	730	89.1	779.2	75.7	137.6	583.9	1 437.3	2 931.0	
2514	METAL HOUSEHOLD FURNITURE.	405	448	213	33.2	302.7	27.4	51.6	208.6	637.4	1 307.1	
2515	MATTRESSES AND BEDSPRINGS.	832	962	355	27.0	279.8	20.6	39.3	175.3	616.6	1 398.5	
2517	WOOD TV AND RADIO CABINETS	91	94	51	10.7	89.0	9.3	17.6	70.5	150.4	304.8	
2519	HOUSEHOLD FURNITURE, NEC	198	201	59	8.7	79.7	7.5	14.3	61.7	131.0	301.9	
252	OFFICE FURNITURE	483	523	233	45.0	542.6	35.1	69.1	375.9	1 236.1	2 009.4	
2521	WOOD OFFICE FURNITURE.	319	331	119	16.0	165.0	12.8	25.5	110.2	381.3	612.0	
2522	METAL OFFICE FURNITURE	167	192	114	29.0	377.6	22.3	43.6	265.7	854.8	1 397.4	
2531	PUBLIC BLDG., RELATED FURNITURE.	401	420	185	20.0	214.3	15.0	29.2	132.9	414.9	787.4	
254	PARTITIONS AND FIXTURES.	2 067	2 134	666	57.4	675.1	44.3	85.9	454.2	1 311.0	2 408.8	
2541	WOOD PARTITIONS AND FIXTURES	1 572	1 598	394	29.4	352.9	23.0	45.3	241.0	621.4	1 105.8	
2542	METAL PARTITIONS AND FIXTURES.	508	536	272	28.0	322.2	21.3	40.5	213.2	689.7	1 303.0	
259	MISC. FURNITURE AND FIXTURES	964	997	280	31.7	347.0	24.0	46.9	230.1	746.9	1 380.3	
2591	DRAPERY HARDWARE, BLINDS, SHADES	435	456	85	13.6	145.6	10.3	20.0	99.1	345.0	675.1	
2599	FURNITURE AND FIXTURES, NEC.	528	541	195	18.1	201.4	13.7	27.0	131.0	401.9	705.2	
26	PAPER AND ALLIED PRODUCTS.	4 394	6 545	3 999	628.7	8 942.9	486.3	985.9	6 323.1	22 170.9	52 085.7	
2611	PULPMILLS.	26	45	42	16.2	293.2	12.5	25.4	220.7	906.1	2 091.1	
2621	PAPERMILLS, EXCEPT BUILDING PAPER.	171	339	287	127.0	2 167.0	100.4	210.4	1 631.7	5 406.6	12 613.3	
2631	PAPERBOARD MILLS	120	249	232	67.6	1 175.8	53.0	112.5	888.0	3 080.7	7 124.3	
264	MISC. CONVERTED PAPER PRODUCTS	2 323	2 994	1 435	206.7	2 608.1	158.0	316.1	1 771.3	7 263.0	16 433.2	
2641	PAPER COATING AND GLAZING.	454	529	239	39.7	551.2	27.2	56.8	335.1	1 507.0	3 392.0	
2642	ENVELOPES.	182	265	184	22.6	270.0	17.6	34.6	182.4	503.4	990.5	
2643	BAGS, EXCEPT TEXTILE BAGS.	462	596	355	48.7	584.1	38.8	77.6	411.7	1 349.6	3 482.3	
2645	DIE-CUT PAPER AND BOARD.	316	371	141	14.3	174.6	11.3	22.7	119.6	429.5	1 057.7	
2646	PRESSED AND MOLDED PULP GOODS.	25	38	27	4.9	58.8	4.0	8.4	48.7	153.7	240.3	
2647	SANITARY PAPER PRODUCTS.	72	120	89	34.5	509.1	27.4	54.5	381.8	2 194.5	4 921.2	
2648	STATIONERY PRODUCTS.	219	242	109	12.6	135.2	9.8	18.5	91.0	291.0	651.7	
2649	CONVERTED PAPER PRODUCTS, NEC.	783	833	291	29.4	325.1	21.9	43.3	201.1	834.3	1 697.5	
265	PAPERBOARD CONTAINERS AND BOXES.	1 794	2 860	1 950	204.1	2 601.8	156.5	309.0	1 733.4	5 296.3	13 350.1	
2651	FOLDING PAPERBOARD BOXES	452	574	374	44.7	577.8	35.8	71.8	409.8	1 136.8	2 579.0	
2652	SETUP PAPERBOARD BOXES	280	312	209	13.1	115.3	11.2	20.6	80.8	211.6	360.5	
2653	CORRUGATED AND SOLID FIBER BOXES	863	1 472	1 034	101.5	1 374.8	73.5	146.5	867.0	2 704.1	7 351.1	
2654	SANITARY FOOD CONTAINERS	122	193	138	28.7	336.7	22.7	43.5	228.2	836.8	2 048.4	
2655	FIBER CANS, DRUMS, SIMILAR PRODS	166	309	195	16.1	197.3	13.4	26.7	147.6	406.9	1 011.1	
2661	BUILDING PAPER AND BOARD MILLS	19	58	53	7.0	96.9	5.9	12.5	77.9	218.2	473.7	
27	PRINTING AND PUBLISHING.	46 604	49 767	9 132	1 092.2	14 024.5	625.8	1 152.8	7 322.1	31 979.5	49 716.2	
2711	NEWSPAPERS	7 821	8 867	2 147	349.9	4 306.0	147.2	252.5	1 805.3	9 519.1	13 055.9	
2721	PERIODICALS.	2 860	2 994	525	69.9	1 019.8	10.6	20.5	115.7	3 762.7	6 056.5	
273	BOOKS.	2 536	2 694	716	106.4	1 378.5	50.9	97.5	544.2	4 291.1	6 485.7	
2731	BOOK PUBLISHING.	1 650	1 744	346	59.5	830.2	13.3	24.9	140.1	3 261.9	4 793.9	
2732	BOOK PRINTING.	897	950	370	46.9	548.2	37.6	72.6	404.1	1 029.2	1 691.8	
2741	MISCELLANEOUS PUBLISHING	2 266	2 352	335	42.1	503.0	15.4	27.1	150.3	1 290.7	1 850.9	
275	COMMERCIAL PRINTING.	26 109	26 815	3 637	356.0	4 701.8	275.1	511.3	3 275.3	8 551.2	15 015.8	
2751	COMMERCIAL PRINTING, LETTERPRESS	14 375	14 521	1 059	110.9	1 307.3	88.0	159.6	913.6	2 440.6	4 284.3	
2752	COMMERCIAL PRINTING, LITHOGRAPHIC.	10 964	11 320	2 362	216.3	2 984.1	163.7	307.4	2 045.7	5 338.4	9 359.7	
2753	ENGRAVING AND PLATE PRINTING	511	550	118	9.8	118.9	7.6	13.5	84.5	230.8	314.9	
2754	COMMERCIAL PRINTING, GRAVURE	401	424	98	19.0	291.6	15.8	30.8	231.5	541.4	1 056.8	
2761	MANIFOLD BUSINESS FORMS.	601	795	477	45.3	575.0	33.3	67.3	390.9	1 491.6	2 893.8	
2771	GREETING CARD PUBLISHING	155	166	52	18.1	226.8	10.6	21.7	105.8	655.9	1 072.1	
278	BLANKBOOKS AND BOOKBINDING	1 343	1 492	576	55.9	579.1	46.1	88.6	418.6	1 148.7	1 656.2	
2782	BLANKBOOKS AND LOOSELEAF BINDERS	371	505	288	31.8	338.5	25.2	49.8	235.0	739.9	1 122.6	
2789	BOOKBINDING AND RELATED WORK	974	987	288	24.1	240.6	20.9	38.8	183.6	408.8	533.6	
279	PRINTING TRADE SERVICES.	3 492	3 592	667	48.4	734.6	36.4	66.5	516.0	1 268.4	1 629.4	
2791	TYPESETTING.	2 370	2 406	389	27.2	364.7	21.7	38.8	271.6	623.4	730.6	
2793	PHOTOENGRAVING	440	449	56	5.7	89.3	3.8	6.8	58.4	168.2	218.0	
2794	ELECTROTYPING AND STEREOTYPING	40	40	5	.4	6.8	.3	.5	4.6	10.0	13.8	
2795	LITHOGRAPHIC PLATEMAKING SERVICES.	677	697	217	15.2	273.9	10.6	20.4	181.5	466.8	667.0	
28	CHEMICALS AND ALLIED PRODUCTS.	8 510	12 173	4 602	880.2	13 839.3	543.6	1 089.7	7 446.2	56 720.6	118 153.6	
281	INDUSTRIAL INORGANIC CHEMICALS	550	1 282	490	110.0	1 847.2	67.8	138.6	1 033.4	6 487.2	12 845.0	
2812	ALKALIES AND CHLORINE.	30	49	33	11.8	215.9	8.0	16.0	136.2	822.5	1 654.8	
2813	INDUSTRIAL GASES	109	562	102	7.5	117.2	4.6	9.6	67.0	732.8	1 234.6	
2816	INORGANIC PIGMENTS	71	106	66	11.9	179.8	8.0	16.4	110.2	567.9	1 259.9	

See footnotes at end of table.

Table 4. Selected Statistics by Major Industry Group and Industry: 1977 and 1972-Con.

Code	Industry group and industry	1977--Continued						1972					
		New capital expenditures ^a			Inventories		Ratios		All employees		Value added by manu- facture (million dollars)	Value of ship- ments ¹ (million dollars)	New capital expend- itures (million dollars)
		Total (million dollars)	Struc- tures and additions to plant (million dollars)	Machinery and equipment (million dollars)	End of year (million dollars)	Beginning of year (million dollars)	Spe- cial- iza- tion (per- cent)	Cov- er- age (per- cent)	Num- ber (1,000)	Payroll (million dollars)			
2451	MOBILE HOMES	69.8	27.1	42.7	193.3	165.5	99	99	71.9	547.3	1 033.9	3 242.9	63.4
2452	PREFABRICATED WOOD BUILDINGS	40.2	15.9	24.3	229.1	184.5	98	98	25.2	198.1	457.1	1 046.1	29.6
249	MISCELLANEOUS WOOD PRODUCTS	179.7	26.8	152.9	602.1	551.6	(NA)	(NA)	82.0	549.9	1 129.4	2 290.1	135.7
2491	WOOD PRESERVING	30.3	3.3	27.0	212.5	184.5	97	97	11.3	74.5	175.8	475.8	14.8
2492	PARTICLEBOARD	32.5	3.2	29.3	21.1	21.7	99	95	7.7	65.5	144.5	295.4	34.6
2499	WOOD PRODUCTS, NEC	116.9	20.3	96.5	368.5	345.4	94	93	63.0	410.0	809.1	1 518.9	86.3
25	FURNITURE AND FIXTURES	388.7	119.2	269.4	2 750.3	2 504.7	(NA)	(NA)	462.0	3 205.4	6 097.1	11 320.3	306.2
251	HOUSEHOLD FURNITURE	211.2	60.1	151.1	1 637.3	1 515.4	(NA)	(NA)	317.4	2 023.7	3 860.5	7 409.6	202.6
2511	WOOD HOUSEHOLD FURNITURE	101.9	26.8	75.2	821.5	771.6	94	96	133.8	806.8	1 556.9	2 870.0	93.8
2512	UPHOLSTERED HOUSEHOLD FURNITURE	50.4	16.6	33.9	378.6	341.2	91	96	92.0	605.3	1 104.0	2 104.7	54.7
2514	METAL HOUSEHOLD FURNITURE	22.8	4.7	18.1	217.0	197.9	89	91	34.4	222.5	447.2	890.4	16.9
2515	MATTRESSES AND BEDSPRINGS	14.5	3.7	10.8	155.6	142.7	95	86	31.4	233.7	479.9	1 041.7	20.7
2517	WOOD TV AND RADIO CABINETS	11.1	5.1	6.0	30.5	31.6	92	90	18.9	111.2	176.9	330.2	9.5
2519	HOUSEHOLD FURNITURE, NEC	10.4	3.3	7.1	34.1	30.5	79	84	6.9	44.2	95.6	172.6	7.0
252	OFFICE FURNITURE	67.6	23.8	43.8	344.4	299.6	(NA)	(NA)	39.3	330.0	659.9	1 111.2	31.8
2521	WOOD OFFICE FURNITURE	26.5	12.4	14.1	107.1	88.4	85	90	11.5	80.1	146.7	249.7	7.3
2522	METAL OFFICE FURNITURE	41.1	11.4	29.7	237.2	211.1	94	92	27.8	249.9	513.2	861.5	24.5
2531	PUBLIC BLDG., RELATED FURNITURE	22.3	6.8	15.5	138.3	122.0	88	87	-	-	-	-	-
254	PARTITIONS AND FIXTURES	58.9	19.4	39.5	394.7	351.2	(NA)	(NA)	57.4	483.9	871.0	1 527.7	34.0
2541	WOOD PARTITIONS AND FIXTURES	22.4	7.4	15.0	158.2	141.8	92	88	31.2	268.2	458.6	793.2	14.6
2542	METAL PARTITIONS AND FIXTURES	36.5	12.0	24.5	236.5	209.4	89	91	26.2	215.7	412.4	734.5	19.4
259	MISC. FURNITURE AND FIXTURES	28.7	9.2	19.5	235.7	216.5	(NA)	(NA)	26.5	209.9	409.9	736.5	24.7
2591	DRAPERY HARDWARE, BLINDS, SHADES	16.7	5.8	10.9	115.6	106.4	95	96	12.1	94.4	198.2	364.5	9.9
2599	FURNITURE AND FIXTURES, NFC	12.0	3.3	8.6	120.1	110.1	87	82	14.5	115.5	211.7	372.0	14.8
26	PAPER AND ALLIED PRODUCTS	3 295.0	326.0	2 969.0	5 641.5	5 281.0	(NA)	(NA)	633.4	5 992.1	13 064.1	28 261.9	1 335.3
2611	PULPMILLS	301.1	13.0	288.0	257.0	223.6	86	72	10.6	125.7	306.9	709.9	136.4
2621	PAPERMILLS, EXCEPT BUILDING PAPER	1 115.2	70.3	1 044.8	1 259.5	1 209.8	92	92	129.9	1 439.6	2 909.3	6 385.2	372.3
2631	PAPERBOARD MILLS	933.7	71.4	862.3	537.5	509.1	84	92	68.5	778.2	1 994.4	4 153.5	313.5
264	MISC. CONVERTED PAPER PRODUCTS	507.4	95.2	412.2	1 943.0	1 746.3	(NA)	(NA)	189.1	1 630.0	4 008.2	8 452.4	288.6
2641	PAPER COATING AND GLAZING	98.7	15.2	83.5	451.2	420.5	80	87	37.2	366.6	984.4	1 954.0	52.3
2642	ENVELOPES	22.9	3.5	19.4	122.2	109.9	97	93	22.9	194.6	347.1	620.8	17.4
2643	BAGS, EXCEPT TEXTILE BAGS	93.4	19.4	74.0	424.9	410.8	88	90	48.6	385.5	840.5	1 885.7	53.9
2645	DIE-CUT PAPER AND BOARD	15.3	2.8	12.5	114.3	94.0	88	84	15.2	132.5	301.6	676.3	10.6
2646	PRESSED AND MOLDED PULP GOODS	10.9	1.0	9.9	24.5	22.0	98	99	6.1	51.8	100.6	162.8	7.0
2647	SANITARY PAPER PRODUCTS	199.1	39.0	160.1	409.9	333.8	93	99	26.3	256.1	882.8	2 071.8	119.6
2648	STATIONERY PRODUCTS	15.9	4.1	11.8	118.2	114.4	86	80	14.7	106.3	225.6	450.5	9.3
2649	CONVERTED PAPER PRODUCTS, NEC	51.1	10.1	41.0	277.7	241.0	88	81	18.1	136.6	325.6	630.6	18.5
265	PAPERBOARD CONTAINERS AND BOXES	421.0	73.8	347.2	1 599.4	1 549.0	(NA)	(NA)	223.7	1 907.0	3 598.8	8 104.7	205.5
2651	FOLDING PAPERBOARD BOXES	89.8	14.2	75.5	421.8	402.2	87	91	45.3	398.1	739.7	1 487.0	37.4
2652	SETUP PAPERBOARD BOXES	8.8	2.0	6.8	48.2	46.4	93	87	18.1	111.6	195.9	321.3	6.4
2653	CORRUGATED AND SOLID FIBER BOXES	243.3	43.1	200.1	664.8	668.4	99	99	107.9	976.3	1 736.9	4 308.8	101.5
2654	SANITARY FOOD CONTAINERS	52.4	10.2	42.2	345.5	320.9	87	86	35.1	277.7	659.8	1 419.7	42.3
2655	FIBER CANS, DRUMS, SIMILAR PRODS	26.7	4.3	22.4	119.2	111.1	93	89	17.3	143.3	266.4	568.0	17.9
2661	BUILDING PAPER AND BOARD MILLS	16.6	2.2	14.4	45.0	43.1	93	83	11.6	111.6	246.5	456.2	18.8
27	PRINTING AND PUBLISHING	1 597.8	310.5	1 287.2	4 200.6	3 943.0	(NA)	(NA)	1 056.5	9 831.2	20 209.5	30 146.4	1 047.7
2711	NEWSPAPERS	478.1	93.5	384.6	382.1	371.8	96	100	348.5	3 168.1	6 219.9	8 262.8	359.5
2721	PERIODICALS	78.9	22.4	56.5	349.6	314.7	90	96	66.5	708.5	2 109.9	3 510.6	56.8
273	BOOKS	134.1	25.4	108.8	1 186.0	1 153.7	(NA)	(NA)	98.1	918.9	2 540.3	3 794.5	82.3
2731	BOOK PUBLISHING	79.8	16.3	63.5	992.0	963.4	94	88	57.1	557.7	1 935.8	2 856.8	48.4
2732	BOOK PRINTING	54.3	9.1	45.3	194.0	190.3	85	78	40.9	361.2	604.5	937.7	33.9
2741	MISCELLANEOUS PUBLISHING	39.1	14.1	25.0	139.1	121.7	95	89	38.8	331.2	775.8	1 070.2	22.7
275	COMMERCIAL PRINTING	639.5	114.9	524.6	1 359.8	1 200.1	(NA)	(NA)	344.2	3 277.4	5 695.0	9 329.7	377.8
2751	COMMERCIAL PRINTING, LETTERPRESS	163.0	32.0	131.0	372.7	345.8	89	81	130.1	1 131.7	2 003.0	3 291.8	129.2
2752	COMMERCIAL PRINTING, LITHOGRAPHIC	360.2	56.9	303.3	861.9	747.1	87	88	184.0	1 835.3	3 155.1	5 124.8	220.6
2753	ENGRAVING AND PLATE PRINTING	17.8	3.5	14.3	23.5	20.6	88	92	9.6	80.7	152.4	201.6	5.1
2754	COMMERCIAL PRINTING, GRAVURE	98.5	22.5	76.0	101.7	86.7	91	83	20.0	225.4	372.2	697.6	22.5
2761	MANIFOLD BUSINESS FORMS	82.1	12.5	69.6	336.7	313.7	93	95	38.6	343.6	823.6	1 429.7	45.8
2771	GREETING CARD PUBLISHING	18.8	5.8	13.0	160.6	207.8	78	95	23.5	191.5	527.0	774.4	46.4
278	BLANKBOOKS AND BOOKBINDING	55.3	11.1	44.2	175.9	155.1	(NA)	(NA)	51.7	371.6	686.8	968.2	25.6
2782	BLANKBOOKS AND LOOSELEAF BINDERS	36.0	9.0	27.1	130.2	112.0	86	91	26.6	192.7	390.6	591.1	14.4
2789	BOOKBINDING AND RELATED WORK	19.3	2.2	17.1	45.7	43.1	96	94	25.1	178.9	296.2	377.2	11.2
279	PRINTING TRADE SERVICES	71.7	10.7	61.1	110.8	104.5	(NA)	(NA)	46.6	520.5	831.3	1 006.3	30.6
2791	TYPESETTING	36.7	5.9	30.8	42.5	38.5	97	89	26.0	269.8	426.0	482.8	14.2
2793	PHOTOENGRAVING	7.5	1.2	6.3	13.2	11.6	83	79	9.9	119.3	191.7	229.7	5.4
2794	ELECTROTYPE AND STEREOTYPING . . . . .	.1	(2)	.1	.5	.5	79	66	1.7	19.0	28.5	36.8	.5
2795	LITHOGRAPHIC PLATEMAKING SERVICES	27.4	3.5	23.9	54.5	53.8	87	89	8.9	112.4	185.1	257.0	10.5
28	CHEMICALS AND ALLIED PRODUCTS	8 198.9	1 246.3	6 952.6	14 791.3	13 447.5	(NA)	(NA)	836.5	8 730.5	32 413.9	57 349.6	2 728.4
281	INDUSTRIAL INORGANIC CHEMICALS	1 055.5	138.8	916.6	1 305.7	1 161.2	(NA)	(NA)	99.5	1 078.5	3 343.1	6 132.7	333.4
2812	ALKALIES AND CHLORINE	220.0	22.2	197.7	141.8	132.4	63	58	13.3	152.0	455.6	823.2	61.5
2813	INDUSTRIAL GASES	243.0	23.2	219.8	45.6	27.8	97	93	9.6	87.2	466.7	679.3	84.1
2816	INORGANIC PIGMENTS	124.3	11.7	112.5	251.5	240.7	88	84	12.8	134.6	382.6	796.9	38.9

See footnotes at end of table.

Table 4. Selected Statistics by Major Industry Group and Industry: 1977 and 1972—Con.

Code	Industry group and industry	1977									Value added by manu- facture (million dollars)	Value of ship- ments ¹ (million dollars)
		Companies (number)	All establishments		All employees		Production workers					
			Total (number)	With 20 employees or more (number)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (million)	Wages (million dollars)			
2819	INDUSTRIAL INORGANIC CHEM., NEC. . .	345	565	289	78.8	1 334.2	47.3	96.7	720.1	4 363.9	8 695.7	
282	PLASTICS MATERIALS, SYNTHETICS . .	373	551	408	157.2	2 470.7	111.3	221.7	1 558.0	7 842.9	20 064.1	
2821	PLASTICS MATERIALS AND RESINS. . . .	221	397	310	57.2	985.6	36.7	76.6	575.7	4 142.7	10 818.2	
2822	SYNTHETIC RUBBER	56	63	30	10.0	185.2	7.1	14.2	125.7	568.6	1 863.3	
2823	CELLULOSIC MANMADE FIBERS.	20	25	10	16.0	213.7	12.6	25.2	151.8	327.2	1 002.8	
2824	ORGANIC FIBERS, NONCELLULOSIC. . . .	37	66	58	74.0	1 086.1	54.8	105.8	704.8	2 804.4	6 379.7	
283	DRUGS.	1 020	1 243	482	156.4	2 459.6	80.3	157.5	997.2	9 939.9	14 247.8	
2831	BIOLOGICAL PRODUCTS.	250	310	113	15.7	210.2	8.8	17.3	90.5	563.4	898.5	
2833	MEDICINALS AND BOTANICALS.	153	177	76	14.4	219.9	8.4	17.1	127.2	1 162.2	1 889.9	
2834	PHARMACEUTICAL PREPARATIONS.	655	756	293	126.4	2 029.5	63.1	123.1	779.4	8 214.4	11 459.4	
284	SOAPS, CLEANERS, TOILET GOODS. . .	2 252	2 528	739	111.6	1 526.1	71.1	138.9	822.8	9 407.2	16 330.7	
2841	SOAP AND OTHER DETERGENTS.	554	638	225	32.1	521.6	20.5	41.0	308.1	2 867.5	5 671.4	
2842	POLISHES AND SANITATION GOODS. . . .	946	1 022	238	22.1	274.7	14.1	27.2	148.5	1 667.2	3 157.3	
2843	SURFACE ACTIVE AGENTS.	148	175	84	6.6	101.9	3.7	7.7	47.3	345.7	944.8	
2844	TOILET PREPARATIONS.	644	693	192	50.9	627.9	32.8	62.9	318.9	4 526.7	6 557.2	
2851	PAINTS AND ALLIED PRODUCTS	1 288	1 579	653	61.4	882.6	33.0	66.2	394.1	2 821.3	6 629.7	
286	INDUSTRIAL ORGANIC CHEMICALS . . .	574	879	510	152.8	2 794.2	97.8	200.1	1 625.3	12 875.1	30 261.1	
2861	GUM AND WOOD CHEMICALS	100	119	37	4.8	54.0	3.8	7.8	38.9	185.0	391.3	
2865	CYCLIC CRUDELS AND INTERMEDIATES. .	135	191	127	35.7	631.5	23.4	46.6	369.8	2 214.4	5 637.0	
2869	INDUSTRIAL ORGANIC CHEMICALS, NEC. .	384	569	346	112.3	2 108.7	70.7	145.7	1 216.5	10 475.7	24 232.8	
287	AGRICULTURAL CHEMICALS	885	1 325	482	53.9	784.0	35.3	72.8	454.8	3 807.9	9 932.2	
2873	NITROGENOUS FERTILIZERS.	110	152	88	12.1	207.9	7.9	17.1	128.4	1 202.0	2 603.4	
2874	PHOSPHATIC FERTILIZERS	45	91	69	14.4	212.8	10.1	21.7	139.2	817.7	2 681.7	
2875	FERTILIZERS, MIXING ONLY	457	673	204	12.4	139.1	8.1	16.0	68.9	488.9	1 866.6	
2879	AGRICULTURAL CHEMICALS, NEC.	338	409	121	15.0	224.1	9.3	17.9	118.2	1 299.3	2 780.4	
289	MISCELLANEOUS CHEMICAL PRODUCTS. .	2 146	2 786	838	76.9	1 075.0	47.1	94.2	560.9	3 539.0	7 843.2	
2891	ADHESIVES AND SEALANTS	405	573	213	16.7	230.7	10.2	20.6	113.5	748.7	1 813.1	
2892	EXPLOSIVES	63	97	53	12.3	173.2	8.4	16.1	101.4	410.7	666.3	
2893	PRINTING INK	205	446	157	10.1	145.1	5.8	11.4	71.6	367.8	944.9	
2895	CARBON BLACK	8	31	31	2.5	42.5	2.0	4.6	32.5	170.2	468.4	
2899	CHEMICAL PREPARATIONS, NEC	1 479	1 639	384	35.3	483.4	20.7	41.5	242.0	1 841.7	3 950.6	
29	PETROLEUM AND COAL PRODUCTS. . .	1 361	2 206	773	146.8	2 696.2	101.1	207.9	1 765.4	16 377.6	97 452.7	
2911	PETROLEUM REFINING	192	349	279	102.5	2 055.3	70.8	144.4	1 366.4	14 423.9	91 688.8	
295	PAVING AND ROOFING MATERIALS . . .	729	1 297	328	32.3	461.3	23.9	51.0	319.4	1 272.0	3 655.9	
2951	PAVING MIXTURES AND BLOCKS	590	1 022	164	12.8	189.6	9.6	20.1	133.6	507.8	1 578.3	
2952	ASPHALT FELTS AND COATINGS	146	275	164	19.5	271.7	14.3	31.0	185.9	764.2	2 077.6	
299	MISC. PETROLEUM, COAL PRODUCTS . .	472	560	166	11.9	179.6	6.4	12.5	79.6	681.7	2 108.0	
2992	LUBRICATING OILS AND GREASES	417	490	143	10.3	157.1	5.4	10.4	65.4	524.8	1 644.7	
2999	PETROLEUM AND COAL PRODUCTS, NEC . .	60	70	23	1.6	22.5	1.1	2.1	14.2	157.0	463.3	
30	RUBBER, MISC. PLASTICS PROD. . . .	10 047	11 943	5 294	721.3	8 536.0	563.7	1 110.6	5 841.6	19 740.0	39 552.8	
3011	TIRES AND INNER TUBES.	121	200	126	114.0	1 832.4	88.3	176.4	1 366.0	4 347.3	8 971.0	
3021	RUBBER AND PLASTICS FOOTWEAR	67	84	50	19.8	159.1	16.4	30.0	115.9	272.3	517.0	
3031	RECLAIMED RUBBER	21	21	9	.9	11.5	.7	1.5	8.4	24.8	41.6	
3041	RUBBER, PLASTICS HOSE AND BELTING. .	101	146	103	34.4	457.4	23.4	45.3	274.9	973.5	1 765.7	
3069	FABRICATED RUBBER PRODUCTS, NEC. . .	1 127	1 280	621	98.5	1 164.0	77.1	153.3	795.4	2 351.9	4 565.0	
3079	MISCELLANEOUS PLASTICS PRODUCTS. . .	8 748	10 212	4 385	453.7	4 911.7	358.0	704.1	3 281.0	11 770.1	23 692.6	
31	LEATHER AND LEATHER PRODUCTS . . .	2 654	3 075	1 486	242.5	1 859.7	211.5	381.9	1 408.1	3 718.8	7 607.4	
3111	LEATHER TANNING AND FINISHING. . . .	428	465	191	23.0	254.8	19.6	38.2	192.2	535.1	1 456.1	
3131	BOOT, SHOE CUT STOCK AND FINDINGS. .	174	190	96	8.5	65.3	7.4	13.0	48.8	109.4	270.6	
314	FOOTWEAR, EXCEPT RUBBER.	541	811	603	145.5	1 031.5	129.2	231.3	822.4	2 069.5	3 891.7	
3142	HOUSE SLIPPERS	65	78	55	8.1	54.5	7.0	11.7	39.6	108.8	201.2	
3143	MEN'S FOOTWEAR, EXCEPT ATHLETIC. .	115	213	180	55.0	417.0	49.2	90.1	332.2	871.9	1 734.5	
3144	WOMEN'S FOOTWEAR, EXCEPT ATHLETIC. .	243	328	241	57.6	388.6	51.3	91.3	315.6	755.0	1 361.2	
3149	FOOTWEAR, EXCEPT RUBBER, NEC	159	192	127	24.8	171.4	21.8	38.2	135.1	333.7	594.8	
3151	LEATHER GLOVES AND MITTENS	84	101	66	5.5	33.9	4.7	8.2	25.5	67.6	178.0	
3161	LUGGAGE.	286	298	130	19.2	164.1	15.8	29.0	105.5	328.3	654.9	
317	WOMEN'S HANDBAGS AND PURSES. . . .	654	678	283	32.1	242.2	27.8	49.9	170.0	472.2	872.0	
3171	WOMEN'S HANDBAGS AND PURSES. . . .	404	418	186	20.3	144.0	18.2	32.8	109.1	266.5	505.2	
3172	PERSONAL LEATHER GOODS, NEC.	253	260	97	11.9	98.2	9.6	17.2	60.9	205.8	366.8	
3199	LEATHER GOODS, NEC	512	532	117	8.6	67.9	7.0	12.4	43.7	136.7	284.2	
32	STONE, CLAY, GLASS PRODUCTS. . . .	14 495	17 744	5 201	613.7	7 943.1	484.4	960.7	5 766.6	19 129.6	35 476.6	
3211	FLAT GLASS	43	62	32	21.9	401.0	18.5	39.9	328.2	931.0	1 576.6	
322	GLASS, PRESSED OR BLOWN.	353	508	249	117.0	1 548.2	101.1	194.5	1 268.9	3 592.0	5 784.2	
3221	GLASS CONTAINERS	31	126	124	70.8	975.4	62.5	120.1	823.0	2 138.9	3 664.2	
3229	PRESSED AND BLOWN GLASS, NEC	325	382	125	46.2	572.8	38.6	74.4	445.9	1 453.1	2 120.1	
3231	PRODUCTS OF PURCHASED GLASS.	1 000	1 101	325	36.2	429.2	28.8	56.7	305.9	960.2	1 842.4	
3241	CEMENT, HYDRAULIC.	87	201	160	27.8	485.1	22.2	44.4	380.0	1 671.5	3 042.3	
325	STRUCTURAL CLAY PRODUCTS	504	711	471	45.0	486.4	36.6	73.3	360.3	1 057.8	1 852.0	

See footnotes at end of table.

Table 4. Selected Statistics by Major Industry Group and Industry: 1977 and 1972—Con.

Code	Industry group and industry	1977--Continued						1972					
		New capital expenditures ^a			Inventories		Ratios		All employees		Value added by manu- facture (million dollars)	Value of ship- ments ¹ (million dollars)	New capital expend- itures (million dollars)
		Total (million dollars)	Struc- tures and additions to plant (million Dollars)	Machinery and equipment (million dollars)	End of year (million dollars)	Beginning of year (million dollars)	Spe- cial- iza- tion (per- cent)	Cov- er- age (per- cent)	Num- ber (1,000)	Payroll (million dollars)			
2819	INDUSTRIAL INORGANIC CHEM., NEC. . . .	468.2	81.7	386.6	866.9	760.3	87	77	63.8	704.7	2 038.2	3 833.3	149.0
282	PLASTICS MATERIALS, SYNTHETICS . . .	1 316.1	151.9	1 164.3	2 020.5	1 854.1	(NA)	(NA)	161.9	1 666.3	4 935.4	9 796.0	693.9
2821	PLASTICS MATERIALS AND RESINS. . . .	895.2	101.2	794.0	1 093.6	982.3	85	74	54.8	632.8	2 160.5	4 478.2	253.2
2822	SYNTHETIC RUBBER	53.2	3.9	49.3	154.3	148.9	91	71	11.8	138.8	491.7	1 089.4	35.5
2823	CELLULOSIC MANMADE FIBERS.	29.3	1.0	28.3	110.8	107.9	(D)	(D)	17.1	135.2	243.5	589.5	32.7
2824	ORGANIC FIBERS, NONCELLULOSIC. . . .	338.5	45.8	292.7	661.8	614.9	84	97	78.2	759.5	2 039.8	3 638.9	372.5
283	DRUGS.	578.5	154.8	423.7	2 446.5	2 231.6	(NA)	(NA)	129.9	1 413.3	6 130.9	8 018.5	245.3
2831	BIOLOGICAL PRODUCTS.	35.4	11.3	24.2	246.9	222.3	93	73	10.1	102.9	231.4	360.0	27.2
2833	MEDICINALS AND BOTANICALS.	123.8	19.8	104.0	307.0	297.9	82	68	7.8	80.8	260.0	509.0	51.5
2834	PHARMACEUTICAL PREPARATIONS.	419.3	123.8	295.5	1 892.6	1 711.5	86	97	112.0	1 229.7	5 639.5	7 149.5	166.7
284	SOAPS, CLEANERS, TOILET GOODS. . . .	334.0	65.8	268.2	1 794.9	1 699.8	(NA)	(NA)	111.6	1 058.2	6 200.6	9 777.6	236.1
2841	SOAP AND OTHER DETERGENTS.	135.5	15.9	119.6	643.4	616.7	84	89	31.5	341.6	2 038.8	3 394.4	90.7
2842	POLISHES AND SANITATION GOODS. . . .	51.8	12.7	39.2	274.9	264.3	76	79	25.1	216.9	1 118.1	1 867.6	54.3
2843	SURFACE ACTIVE AGENTS.	41.1	8.2	32.8	116.3	106.9	81	55	6.9	71.5	209.5	462.6	19.7
2844	TOILET PREPARATIONS.	105.6	29.0	76.6	760.3	712.0	95	87	48.2	428.2	2 834.1	4 053.0	71.4
2851	PAINTS AND ALLIED PRODUCTS	167.4	52.5	114.9	937.6	864.2	96	97	65.9	647.2	1 791.7	3 821.8	81.5
286	INDUSTRIAL ORGANIC CHEMICALS	3 352.5	511.1	2 841.5	3 852.8	3 439.3	(NA)	(NA)	136.6	1 614.3	6 073.1	11 605.4	831.6
2861	GUM AND WOOD CHEMICALS	27.0	10.8	16.2	65.7	63.6	76	67	5.9	47.6	155.4	332.3	11.1
2865	CYCLIC CRUDES AND INTERMEDIATES. . .	443.1	52.6	390.5	844.4	784.2	68	67	28.2	318.2	929.7	2 049.6	158.8
2869	INDUSTRIAL ORGANIC CHEMICALS, NEC. .	2 882.6	447.7	2 434.9	2 942.7	2 591.5	69	84	102.4	1 248.6	4 988.0	9 223.5	661.7
287	AGRICULTURAL CHEMICALS	1 107.2	99.0	1 008.2	1 564.7	1 394.3	(NA)	(NA)	47.9	438.4	1 736.5	3 929.1	155.8
2873	NITROGENOUS FERTILIZERS.	734.4	34.7	699.6	378.0	296.9	84	72	9.4	104.3	447.6	799.4	33.2
2874	PHOSPHATIC FERTILIZERS	111.8	13.8	97.9	419.7	353.9	93	91	14.9	135.1	426.4	1 178.9	65.8
2875	FERTILIZERS, MIXING ONLY	41.9	9.3	32.6	306.5	303.3	95	98	11.4	82.5	263.6	800.0	17.2
2879	AGRICULTURAL CHEMICALS, NEC.	219.2	41.1	178.0	460.6	440.2	83	77	12.2	116.5	598.9	1 150.8	39.5
289	MISCELLANEOUS CHEMICAL PRODUCTS. .	287.4	72.3	215.2	868.1	802.8	(NA)	(NA)	83.1	814.3	2 202.6	4 268.4	150.8
2891	ADHESIVES AND SEALANTS	39.0	9.4	29.6	202.5	187.3	89	81	14.9	148.2	426.6	928.0	24.9
2892	EXPLOSIVES	26.1	7.3	18.8	59.8	54.8	86	95	18.6	178.9	281.7	402.7	30.1
2893	PRINTING INK	17.0	4.3	12.8	116.7	101.7	97	97	9.6	99.3	232.0	508.4	12.6
2895	CARBON BLACK	22.7	1.5	21.2	32.7	27.3	95	95	2.9	31.9	137.6	227.0	11.8
2899	CHEMICAL PREPARATIONS, NEC	182.6	49.8	132.9	456.5	431.7	87	77	37.1	356.0	1 124.7	2 202.3	71.3
29	PETROLEUM AND COAL PRODUCTS. . . .	2 261.3	617.8	1 643.5	5 656.3	4 912.9	(NA)	(NA)	139.5	1 637.5	5 793.1	28 694.7	1 154.2
2911	PETROLEUM REFINING	2 108.6	589.2	1 519.5	5 196.2	4 471.6	99	97	100.8	1 247.1	4 594.7	25 921.1	1 061.6
295	PAVING AND ROOFING MATERIALS	112.5	21.3	91.2	220.0	196.1	(NA)	(NA)	29.5	296.5	846.4	1 932.9	75.9
2951	PAVING MIXTURES AND BLOCKS	57.3	8.4	48.9	62.8	53.5	95	93	13.9	147.7	403.1	922.5	56.3
2952	ASPHALT FELTS AND COATINGS	55.2	13.0	42.2	157.2	142.6	91	97	15.6	148.7	443.3	1 010.4	19.6
299	MISC. PETROLEUM, COAL PRODUCTS . . .	40.1	7.2	32.9	240.1	245.2	(NA)	(NA)	9.2	93.9	352.1	840.7	16.7
2992	LUBRICATING OILS AND GREASES	25.6	5.7	19.9	180.8	192.9	94	44	8.1	83.3	295.8	703.1	13.7
2999	PETROLEUM AND COAL PRODUCTS, NEC . .	14.5	1.5	13.0	59.3	52.3	97	87	1.1	10.6	56.3	137.6	3.0
30	RUBBER, MISC. PLASTICS PROD.	1 645.3	306.4	1 338.9	4 952.7	4 441.4	(NA)	(NA)	617.7	5 165.2	11 653.3	20 923.7	1 059.6
3011	TIRES AND INNER TUBES.	289.0	38.4	250.6	1 172.1	1 015.0	96	99	107.5	1 214.1	3 070.8	5 747.1	267.1
3021	RUBBER AND PLASTICS FOOTWEAR	11.3	.9	10.4	140.7	129.0	93	99	31.6	182.6	370.3	600.0	17.7
3031	RECLAIMED RUBBER . . . . .	.5	(2)	.5	3.7	3.7	100	62	.9	9.1	15.6	29.7	.7
3041	RUBBER, PLASTICS HOSE AND BELTING. .	55.3	15.3	40.1	275.4	267.6	88	92	31.9	309.0	618.7	1 020.1	31.6
3069	FABRICATED RUBBER PRODUCTS, NEC. . .	135.0	28.2	106.9	510.5	476.6	88	90	99.0	808.8	1 573.1	2 830.9	88.5
3079	MISCELLANEOUS PLASTICS PRODUCTS. . .	1 154.2	223.7	930.5	2 850.3	2 549.6	94	91	346.9	2 641.6	6 004.7	10 695.9	654.0
31	LEATHER AND LEATHER PRODUCTS	96.2	21.6	74.6	1 098.9	1 033.0	(NA)	(NA)	273.4	1 589.3	2 917.2	5 769.5	74.5
3111	LEATHER TANNING AND FINISHING. . . .	30.7	6.8	23.9	187.6	176.1	99	99	25.7	200.0	368.3	1 059.5	16.3
3131	BOOT, SHOE CUT STOCK AND FINDINGS. .	3.0	.8	2.2	31.2	33.0	90	92	8.7	50.1	86.2	206.5	2.9
314	FOOTWEAR, EXCEPT RUBBER.	37.1	9.0	28.1	558.0	518.8	(NA)	(NA)	176.2	972.7	1 796.1	3 272.2	37.1
3142	HOUSE SLIPPERS	2.3	.7	1.6	29.7	28.9	94	96	8.5	48.1	85.7	151.4	1.6
3143	MEN'S FOOTWEAR, EXCEPT ATHLETIC. .	14.5	3.4	11.0	272.2	245.6	92	96	61.5	358.1	674.4	1 288.9	14.3
3144	WOMEN'S FOOTWEAR, EXCEPT ATHLETIC.	9.7	2.1	7.6	147.4	148.3	97	92	77.4	408.4	763.6	1 346.1	14.8
3149	FOOTWEAR, EXCEPT RUBBER, NEC	10.6	2.8	7.8	108.7	96.0	84	83	28.7	158.1	272.5	485.8	6.4
3151	LEATHER GLOVES AND MITTENS	1.9	.3	1.6	33.7	30.9	83	85	4.9	22.1	43.0	98.2	.5
3161	LUGGAGE.	8.1	1.0	7.1	113.5	114.8	94	98	17.1	106.8	194.1	364.5	8.9
317	WOMEN'S HANDBAGS AND PURSES. . . .	11.4	2.4	9.0	124.5	116.2	(NA)	(NA)	33.6	195.1	345.1	607.2	6.5
3171	WOMEN'S HANDBAGS AND PURSES. . . .	6.6	1.7	4.9	61.9	56.1	97	97	22.2	121.7	201.5	365.0	3.7
3172	PERSONAL LEATHER GOODS, NEC.	4.8	.7	4.1	62.5	60.2	96	91	11.5	73.4	143.7	242.2	2.8
3199	LEATHER GOODS, NEC	4.1	1.4	2.7	50.6	43.2	94	95	7.2	42.5	84.3	161.3	2.2
32	STONE, CLAY, GLASS PRODUCTS.	1 881.4	337.2	1 544.2	4 279.3	3 995.3	(NA)	(NA)	623.2	5 546.9	12 586.5	21 537.5	1 195.5
3211	FLAT GLASS	81.1	11.8	69.3	211.4	191.9	90	(D)	20.9	241.9	662.1	937.1	95.0
322	GLASS, PRESSED OR BLOWN.	364.5	59.1	305.4	759.4	760.9	(NA)	(NA)	118.8	1 057.5	2 341.1	3 393.8	176.7
3221	GLASS CONTAINERS	220.9	34.3	186.7	408.7	429.6	99	99	72.9	659.4	1 399.7	2 126.5	121.1
3229	PRESSED AND BLOWN GLASS, NEC	143.6	24.9	118.7	350.7	331.2	97	96	45.9	398.1	941.4	1 267.3	55.6
3231	PRODUCTS OF PURCHASED GLASS.	73.4	23.0	50.4	285.6	261.5	95	(D)	33.7	296.1	668.9	1 330.1	34.5
3241	CEMENT, HYDRAULIC.	296.6	41.7	254.9	484.8	463.2	99	99	30.0	349.2	1 153.5	1 791.2	179.5
325	STRUCTURAL CLAY PRODUCTS	82.3	16.7	65.6	299.0	304.5	(NA)	(NA)	51.8	391.4	770.6	1 205.3	64.0

See footnotes at end of table.

Table 4. Selected Statistics by Major Industry Group and Industry: 1977 and 1972-Con.

1977											
Code	Industry group and industry	Companies (number)	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Value of ship- ments ¹ (million dollars)
			Total (number)	With 20 employees or more (number)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (million)	Wages (million dollars)		
3251	BRICK AND STRUCTURAL CLAY TILE	250	352	262	20.5	197.3	17.0	34.0	149.2	467.9	777.7
3253	CERAMIC WALL AND FLOOR TILE	62	79	48	7.8	78.3	6.3	12.8	56.4	155.4	252.5
3255	CLAY REFRACTORIES.	98	167	104	11.3	146.8	8.8	17.6	106.5	308.4	607.2
3259	STRUCTURAL CLAY PRODUCTS, NEC.	94	113	57	5.5	64.0	4.5	8.9	48.2	126.1	214.6
326	POTTERY AND RELATED PRODUCTS	885	934	241	43.2	459.6	35.6	67.8	341.9	893.6	1 260.9
3261	VITREOUS PLUMBING FIXTURES	54	70	38	9.2	117.2	7.8	15.6	96.9	277.3	411.4
3262	VITREOUS CHINA FOOD UTENSILS	26	28	14	7.3	72.3	6.0	11.1	53.6	140.0	170.7
3263	FINE EARTHENWARE FOOD UTENSILS	22	23	17	4.7	38.4	3.5	6.4	27.1	61.2	81.3
3264	PORCELAIN ELECTRICAL SUPPLIES.	77	86	56	11.4	144.4	9.1	17.6	98.0	253.9	367.5
3269	POTTERY PRODUCTS, NEC.	713	727	116	10.6	87.4	9.2	17.1	66.2	161.2	230.0
327	CONCRETE, GYPSUM, PLASTER PRODS.	8 899	10 844	2 711	183.7	2 366.8	134.4	272.6	1 558.6	5 390.8	11 804.8
3271	CONCRETE BLOCK AND BRICK	1 162	1 273	348	18.7	237.1	11.8	24.1	126.6	520.3	1 143.8
3272	CONCRETE PRODUCTS, NEC.	3 475	3 916	862	61.7	734.9	48.1	96.0	494.5	1 529.3	2 736.2
3273	READY-MIXED CONCRETE	4 317	5 433	1 357	87.9	1 175.8	62.0	125.3	766.6	2 693.2	6 440.6
3274	LIME	64	94	63	5.9	75.4	4.8	9.8	59.4	218.2	484.2
3275	GYPSUM PRODUCTS.	58	128	81	9.5	143.6	7.6	17.3	111.5	429.6	1 000.0
3281	CUT STONE AND STONE PRODUCTS	963	993	164	12.7	131.5	10.6	21.4	98.8	238.2	393.0
329	MISC. NONMETALLIC MINERAL PRODS.	1 960	2 390	848	126.2	1 635.2	96.6	190.0	1 123.9	4 394.5	7 920.2
3291	ABRASIVE PRODUCTS.	353	410	178	28.3	392.3	20.1	38.5	241.2	1 097.7	1 955.8
3292	ASBESTOS PRODUCTS.	86	123	76	13.9	179.9	11.0	22.6	137.4	439.3	882.1
3293	GASKETS, PACKING, SEALING DEVICES.	384	433	217	33.0	371.3	25.0	47.5	237.3	748.3	1 267.1
3295	MINERALS, GROUND OR TREATED.	318	466	151	11.5	156.3	8.9	18.1	111.8	479.4	957.3
3296	MINERAL WOOL	95	153	90	22.6	313.8	18.6	38.3	244.5	1 053.7	1 790.5
3297	NONCLAY REFRACTORIES	74	109	66	9.1	134.3	6.8	13.5	92.5	352.1	680.2
3299	NONMETALLIC MINERAL PRODUCTS, NEC.	681	696	70	7.7	87.2	6.2	11.4	59.1	224.1	387.3
33	PRIMARY METAL INDUSTRIES	5 929	7 375	3 980	1 113.6	18 745.0	885.3	1 744.0	14 065.2	37 568.2	103 179.4
331	BLAST FURNACE, BASIC STEEL PROD.	887	1 216	740	529.7	10 085.5	417.9	804.5	7 631.3	18 318.4	50 582.1
3312	BLAST FURNACES AND STEEL MILLS	395	504	250	441.9	8 725.7	350.2	668.7	6 653.0	15 331.9	41 998.2
3313	ELECTROMETALLURGICAL PRODUCTS.	28	42	31	8.9	139.2	7.0	14.3	103.9	274.6	930.6
3315	STEEL WIRE AND RELATED PRODUCTS.	262	335	223	31.7	436.6	24.3	49.0	304.9	924.4	2 258.6
3316	COLD FINISHING OF STEEL SHAPES	118	155	94	19.4	334.6	14.6	28.7	238.8	799.6	2 713.2
3317	STEEL PIPE AND TUBES	130	180	142	27.8	449.4	21.8	43.7	330.6	987.9	2 681.4
332	IRON AND STEEL FOUNDRIES	1 251	1 465	1 033	222.3	3 329.2	183.8	367.9	2 582.6	6 236.6	10 830.2
3321	GRAY IRON FOUNDRIES.	865	984	683	138.8	2 146.0	116.8	236.1	1 703.2	4 070.7	7 388.7
3322	MALLEABLE IRON FOUNDRIES	58	66	53	18.2	273.0	14.6	27.9	202.5	458.8	721.9
3324	STEEL INVESTMENT FOUNDRIES	80	92	68	10.5	128.7	8.1	16.5	85.9	267.4	407.5
3325	STEEL FOUNDRIES, NEC	287	323	229	54.8	781.5	44.2	87.3	591.0	1 439.8	2 312.1
333	PRIMARY NONFERROUS METALS.	103	160	99	57.3	1 032.1	44.9	89.1	768.4	3 618.6	10 660.2
3331	PRIMARY COPPER	8	27	27	13.1	217.3	10.6	20.6	167.5	904.3	3 918.1
3332	PRIMARY LEAD	4	7	7	2.5	40.5	2.0	4.1	30.2	189.5	699.6
3333	PRIMARY ZINC	8	9	7	4.6	70.5	3.5	6.9	49.3	114.3	430.7
3334	PRIMARY ALUMINUM	12	32	32	28.6	555.0	22.8	45.5	426.3	1 980.9	4 647.8
3339	PRIMARY NONFERROUS METALS, NEC	81	85	26	8.6	148.8	6.0	12.1	95.1	429.5	963.9
3341	SECONDARY NONFERROUS METALS.	393	460	200	18.9	269.8	14.0	28.4	169.7	769.3	3 558.0
335	NONFERROUS ROLLING AND DRAWING	626	1 002	711	177.4	2 640.0	136.0	278.5	1 901.5	5 902.3	22 227.3
3351	COPPER ROLLING AND DRAWING	102	140	99	31.3	455.5	24.2	50.5	338.7	973.7	4 013.8
3353	ALUMINUM SHEET, PLATE, AND FOIL.	31	53	45	31.4	613.5	25.0	50.6	480.1	1 340.6	5 970.7
3354	ALUMINUM EXTRUDED PRODUCTS	133	193	146	26.5	355.9	21.2	44.0	264.1	678.6	2 050.0
3355	ALUMINUM ROLLING AND DRAWING, NEC.	18	22	15	4.7	78.1	3.6	6.9	56.5	222.8	1 001.0
3356	NONFERROUS ROLLING & DRAWING, NEC.	153	173	86	17.2	260.2	12.0	24.7	158.7	569.0	22 596.5
3357	NONFERROUS WIREDRAWING, INSULATING.	245	421	320	66.3	876.8	50.0	101.8	603.4	2 117.6	6 595.4
336	NONFERROUS FOUNDRIES	1 806	1 892	805	82.1	1 043.8	68.6	134.1	782.6	1 959.6	3 826.1
3361	ALUMINUM FOUNDRIES	994	1 038	461	52.2	691.4	44.2	86.3	531.0	1 262.7	2 459.1
3362	BRASS, BRONZE, COPPER FOUNDRIES.	476	489	180	12.6	148.3	10.2	19.8	106.7	283.0	553.3
3369	NONFERROUS FOUNDRIES, NEC.	359	365	164	17.3	204.1	14.2	28.0	144.9	413.9	813.7
339	MISC. PRIMARY METAL PRODUCTS	1 102	1 180	392	26.0	344.5	20.2	41.5	229.2	763.3	1 495.5
3398	METAL HEAT TREATING.	682	753	273	16.9	220.1	13.3	27.6	147.9	466.8	744.9
3399	PRIMARY METAL PRODUCTS, NEC.	406	427	119	9.0	124.4	6.9	13.9	81.2	296.5	750.6
34	FABRICATED METAL PRODUCTS.	29 966	33 712	12 739	1 555.7	21 035.9	1 191.6	2 373.8	14 428.8	45 511.5	90 023.5
341	METAL CANS, SHIPPING CONTAINERS.	269	587	413	72.3	1 246.5	60.0	126.5	999.6	3 643.9	9 180.0
3411	METAL CANS	153	403	300	59.8	1 066.3	50.2	106.4	870.8	3 254.3	8 242.8
3412	METAL BARRELS, DRUMS, AND PAILS.	120	184	113	12.4	180.3	9.8	20.1	128.8	389.6	937.1
342	CUTLERY, HANDTOOLS AND HARDWARE.	1 924	2 137	877	168.6	2 179.3	132.6	264.5	1 553.4	5 176.6	8 556.5
3421	CUTLERY	119	130	62	14.9	159.6	12.1	23.5	118.3	492.0	711.4
3423	HAND AND EDGE TOOLS, NEC	662	724	296	47.0	566.4	36.9	72.8	394.7	1 421.4	2 279.2
3425	HANDSAWS AND SAW BLADES.	105	115	55	7.6	94.3	5.7	11.4	62.7	230.6	363.3
3429	HARDWARE, NEC.	1 063	1 168	464	99.2	1 359.0	77.9	156.8	977.7	3 032.6	5 202.6
343	PLUMBING, HEATING, EXCEPT ELEC	960	1 015	341	53.2	636.8	40.6	80.4	422.8	1 573.6	3 087.6
3431	METAL SANITARY WARE.	96	101	37	8.1	109.7	6.7	14.4	87.5	248.7	477.6
3432	PLUMBING FITTINGS AND BRASS GOODS.	191	213	110	19.3	215.0	15.3	30.0	145.0	579.3	1 166.4
3433	HEATING EQUIPMENT, EXC. ELECTRIC	678	701	194	25.8	312.2	18.7	36.0	190.3	745.6	1 443.6
344	FABRICATED STRUC. METAL PRODS.	10 725	11 817	4 279	425.7	5 491.9	308.5	603.3	3 467.2	11 785.3	24 993.8
3441	FABRICATED STRUCTURAL METAL.	2 319	2 462	1 074	99.3	1 313.6	72.8	144.2	836.9	2 559.8	5 505.2
3442	METAL DOORS, SASH, AND TRIM.	1 498	1 672	644	65.8	671.3	50.1	97.0	425.0	1 418.3	3 135.6
3443	FABRICATED PLATEWORK, BOILER SHOP.	1 683	1 864	944	123.5	1 777.8	87.7	171.6	1 125.8	4 075.3	7 432.4
3444	SHEET METALWORK.	3 222	3 430	1 008	77.4	980.2	56.7	109.5	636.6	2 095.1	4 863.5
3446	ARCHITECTURAL METALWORK.	1 477	1 511	225	20.8	247.7	15.1	29.4	152.3	505.5	947.1
3448	PREFABRICATED METAL BUILDINGS.	414	466	199	22.7	289.7	15.9	31.6	174.9	694.5	1 779.2

See footnotes at end of table.

Table 4. Selected Statistics by Major Industry Group and Industry: 1977 and 1972-Con.

Code	Industry group and industry	1977--Continued							1972				
		New capital expenditures ⁴			Inventories		Ratios		All employees		Value added by manu- facture		
		Total (million dollars)	Struc- tures and additions (million dollars)	Machinery and equipment (million dollars)	End of year (million dollars)	Beginning of year (million dollars)	Spe- cial- iza- tion (per- cent)	Cov- er- age (per- cent)	Num- ber (1,000)	Payroll (million dollars)	(million dollars)	Value of ship- ments ¹ (million dollars)	New capital expend- itures (million dollars)
3251	BRICK AND STRUCTURAL CLAY TILE . . .	49.6	10.2	39.5	93.2	98.3	99	99	24.1	168.4	336.4	513.0	38.6
3253	CERAMIC WALL AND FLOOR TILE . . .	6.6	.7	6.0	42.1	40.3	99	95	8.3	58.5	112.3	175.6	7.6
3255	CLAY REFRACTORIES . . .	20.0	4.4	15.6	126.4	131.4	89	95	11.2	100.5	202.1	336.0	10.8
3259	STRUCTURAL CLAY PRODUCTS, NEC. . .	6.1	1.4	4.6	37.2	34.5	94	92	8.2	64.0	119.8	180.7	7.0
326	POTTERY AND RELATED PRODUCTS . . .	45.2	11.5	33.7	182.0	169.0	(NA)	(NA)	44.9	335.3	600.6	834.8	23.1
3261	VITREOUS PLUMBING FIXTURES . . .	7.3	1.9	5.4	48.9	49.1	92	95	9.6	86.5	186.8	270.0	5.8
3262	VITREOUS CHINA FOOD UTENSILS . . .	5.4	1.6	3.8	30.0	26.2	80	97	5.9	41.2	67.4	81.9	1.8
3263	FINE EARTHENWARE FOOD UTENSILS . . .	1.7	.4	1.3	17.2	14.9	85	76	6.8	41.4	56.2	74.3	3.1
3264	PORCELAIN ELECTRICAL SUPPLIES . . .	20.9	5.3	15.6	59.3	54.3	86	82	13.4	114.0	190.4	274.6	7.2
3269	POTTERY PRODUCTS, NEC. . .	9.8	2.4	7.5	26.7	24.6	95	85	9.1	52.2	99.9	134.0	5.2
327	CONCRETE, GYPSUM, PLASTER PRODS. .	604.8	105.8	499.0	864.8	774.7	(NA)	(NA)	193.1	1 741.0	3 839.7	7 746.4	453.1
3271	CONCRETE BLOCK AND BRICK . . .	55.6	9.8	45.9	124.0	118.4	93	85	22.8	196.0	438.5	855.7	46.2
3272	CONCRETE PRODUCTS, NEC . . .	134.4	30.2	104.2	389.7	357.0	96	95	67.7	570.2	1 190.1	1 961.4	96.2
3273	READY-MIXED CONCRETE . . .	353.1	54.1	299.0	231.5	193.7	93	98	85.7	809.3	1 756.7	4 050.9	247.8
3274	LIME . . .	29.7	6.9	22.9	47.2	39.0	92	92	5.7	50.0	129.3	238.1	39.4
3275	GYPSUM PRODUCTS . . .	31.9	4.9	27.0	72.4	66.6	96	98	11.2	115.5	325.1	640.3	23.3
3281	CUT STONE AND STONE PRODUCTS . . .	10.4	2.1	8.3	53.8	50.0	96	95	15.0	109.2	191.4	304.5	12.6
329	MISC. NONMETALLIC MINERAL PRODS. .	323.1	65.5	257.6	1 138.5	1 019.8	(NA)	(NA)	115.1	1 025.4	2 358.8	3 994.4	157.0
3291	ABRASIVE PRODUCTS . . .	48.7	12.0	36.7	317.7	247.8	90	97	24.5	229.4	529.6	888.1	17.2
3292	ASBESTOS PRODUCTS . . .	26.0	5.4	20.6	168.0	161.3	92	81	21.0	191.0	426.1	763.4	20.4
3293	GASKETS, PACKING, SEALING DEVICES .	46.5	8.0	38.5	208.6	195.5	93	89	27.7	220.4	428.5	665.4	24.9
3295	MINERALS, GROUND OR TREATED . . .	50.2	9.7	40.5	116.3	116.4	96	90	9.5	87.9	237.2	412.0	30.0
3296	MINERAL WOOL . . .	85.9	12.2	73.7	121.5	116.5	93	96	18.0	172.3	441.5	755.4	50.1
3297	NONCLAY REFRACTORIES . . .	37.1	6.9	30.2	159.5	141.8	92	83	8.1	78.3	191.1	343.6	9.3
3299	NONMETALLIC MINERAL PRODUCTS, NEC.	28.7	11.2	17.4	46.9	40.5	93	89	6.3	46.0	104.7	166.5	5.0
33	PRIMARY METAL INDUSTRIES . . .	4 496.8	652.8	3 844.0	18 458.3	17 884.5	(NA)	(NA)	1 142.8	12 166.5	23 258.1	58 429.7	2 160.6
331	BLAST FURNACE, BASIC STEEL PROD. .	2 442.7	269.1	2 173.6	10 306.4	10 327.8	(NA)	(NA)	552.9	6 388.6	12 116.1	28 652.3	1 058.8
3312	BLAST FURNACES AND STEEL MILLS . .	2 143.0	225.5	1 917.6	8 471.6	8 620.6	(NA)	(NA)	469.1	5 537.8	10 304.7	23 946.7	961.2
3313	ELECTROMETALLURGICAL PRODUCTS . .	53.2	4.2	49.1	403.8	367.3	(D)	90	9.5	94.1	217.2	550.1	26.3
3315	STEEL WIRE AND RELATED PRODUCTS . .	79.4	14.3	65.1	422.8	409.7	95	47	30.6	287.9	583.5	1 227.7	26.6
3316	COLD FINISHING OF STEEL SHAPES . .	49.6	5.6	43.9	436.6	383.3	95	25	20.1	223.3	504.6	1 635.7	20.6
3317	STEEL PIPE AND TUBES . . .	117.5	19.6	97.9	571.6	546.9	95	44	23.6	245.5	506.1	1 292.1	24.1
332	IRON AND STEEL FOUNDRIES . . .	658.8	129.4	529.4	1 104.8	1 027.1	(NA)	(NA)	218.8	2 155.3	3 481.3	5 713.9	279.9
3321	GRAY IRON FOUNDRIES . . .	503.1	102.3	400.8	654.4	596.2	96	88	138.4	1 387.4	2 257.0	3 876.5	202.5
3322	MALLEABLE IRON FOUNDRIES . . .	28.9	6.5	22.4	43.6	41.1	86	93	22.5	234.5	342.6	507.9	34.9
3324	STEEL INVESTMENT FOUNDRIES . . .	10.9	1.6	9.3	65.6	57.0	93	86	11.2	93.2	175.6	262.2	11.1
3325	STEEL FOUNDRIES, NEC . . .	115.9	19.0	96.9	341.3	332.8	87	91	46.7	440.2	706.0	1 067.4	31.5
333	PRIMARY NONFERROUS METALS . . .	587.2	110.7	476.5	1 952.0	1 819.4	(NA)	(NA)	58.6	626.9	1 705.5	5 964.2	292.2
3331	PRIMARY COPPER . . .	(D)	(D)	(D)	756.6	700.0	(?)	(?)	17.2	173.2	487.8	2 771.1	119.7
3332	PRIMARY LEAD . . .	(D)	(D)	(D)	186.0	162.3	(?)	(?)	2.8	26.5	128.7	460.9	5.7
3333	PRIMARY ZINC . . .	39.8	5.3	34.6	154.1	176.6	83	67	6.3	59.3	121.6	376.4	9.8
3334	PRIMARY ALUMINUM . . .	158.7	22.2	136.5	646.8	590.1	95	70	25.6	296.2	816.0	1 959.8	136.5
3339	PRIMARY NONFERROUS METALS, NEC . .	97.1	7.4	89.7	208.5	190.5	90	44	6.7	71.7	151.5	395.9	20.6
3341	SECONDARY NONFERROUS METALS . . .	114.3	36.7	77.6	485.2	459.5	97	26	17.8	170.1	410.9	2 097.2	34.8
335	NONFERROUS ROLLING AND DRAWING . .	460.5	62.4	398.1	4 042.3	3 749.3	(NA)	(NA)	188.3	1 871.3	3 799.5	12 862.6	371.4
3351	COPPER ROLLING AND DRAWING . . .	64.4	7.3	57.1	472.1	496.1	85	92	37.8	383.7	800.3	3 098.8	65.3
3353	ALUMINUM SHEET, PLATE, AND FOIL . .	157.7	19.0	138.7	1 625.2	1 325.2	92	99	31.3	370.7	692.3	2 685.2	90.3
3354	ALUMINUM EXTRUDED PRODUCTS . . .	48.2	8.6	39.6	337.2	312.8	88	92	27.7	239.2	427.6	1 078.3	32.6
3355	ALUMINUM ROLLING AND DRAWING, NEC.	16.1	2.2	13.9	169.5	183.6	91	65	4.6	48.0	57.3	343.4	9.2
3356	NONFERROUS ROLLING & DRAWING, NEC.	34.3	5.7	28.6	477.5	483.7	94	93	18.1	184.2	374.1	1 244.6	24.3
3357	NONFERROUS WIREDRAWING, INSULATING.	139.8	19.6	120.2	960.7	948.0	94	93	68.8	645.6	1 448.0	4 412.3	149.7
336	NONFERROUS FOUNDRIES . . .	163.7	32.0	131.8	349.2	316.9	(NA)	(NA)	81.4	721.5	1 269.1	2 323.8	73.5
3361	ALUMINUM FOUNDRIES . . .	121.1	23.2	97.9	205.4	174.7	87	92	45.7	417.9	718.3	1 269.9	38.8
3362	BRASS, BRONZE, COPPER FOUNDRIES . .	17.9	3.7	14.2	59.2	55.6	85	74	15.4	129.6	236.9	465.3	17.4
3369	NONFERROUS FOUNDRIES, NEC . . .	24.7	5.1	19.6	84.7	86.6	85	77	20.3	174.0	314.0	588.6	17.3
339	MISC. PRIMARY METAL PRODUCTS . . .	69.5	12.5	57.0	218.2	184.4	(NA)	(NA)	25.0	232.8	475.7	815.7	50.0
3398	METAL HEAT TREATING . . .	42.2	9.2	33.0	69.0	48.5	(?)	(?)	17.2	157.3	310.6	467.4	23.1
3399	PRIMARY METAL PRODUCTS, NEC . . .	27.3	3.3	24.0	149.2	135.9	94	70	7.9	75.5	165.0	348.3	26.9
34	FABRICATED METAL PRODUCTS . . .	2 606.1	480.9	2 125.3	15 306.2	14 111.8	(NA)	(NA)	1 493.3	13 820.6	26 914.5	51 739.3	1 323.2
341	METAL CANS, SHIPPING CONTAINERS . .	208.7	25.7	183.0	1 168.0	1 020.9	(NA)	(NA)	78.6	839.6	2 004.6	4 972.1	146.5
3411	METAL CANS . . .	176.9	19.6	157.3	1 032.9	889.0	96	98	68.5	740.7	1 815.8	4 510.8	138.1
3412	METAL BARRELS, DRUMS, AND PAILS . .	31.8	6.1	25.7	135.0	132.0	94	90	10.2	98.9	188.8	461.3	8.4
342	CUTLERY, HANDTOOLS AND HARDWARE . .	298.9	45.9	253.1	1 544.7	1 385.2	(NA)	(NA)	159.2	1 404.9	3 253.4	5 094.3	143.0
3421	CUTLERY . . .	23.3	5.0	18.3	132.1	129.0	92	94	13.4	102.6	322.3	427.5	11.7
3423	HAND AND EDGE TOOLS, NEC . . .	72.0	14.1	58.0	487.4	437.3	91	90	39.3	343.0	780.0	1 233.1	33.5
3425	HANDSAWS AND SAW BLADES . . .	13.4	1.4	12.0	75.5	68.3	86	77	6.6	56.7	127.5	194.4	6.4
3429	HARDWARE, NEC . . .	190.2	25.4	164.8	849.7	750.6	94	94	99.9	902.6	2 023.6	3 239.4	91.4
343	PLUMBING, HEATING, EXCEPT ELEC . .	74.1	14.8	59.2	567.9	525.8	(NA)	(NA)	60.7	523.8	1 131.6	2 136.8	51.7
3431	METAL SANITARY WARE . . .	11.3	2.0	9.3	65.5	72.1	82	92	11.2	104.4	208.2	370.2	8.2
3432	PLUMBING FITTINGS AND BRASS GOODS . .	30.3	3.8	26.5	239.8	219.6	86	92	18.6	151.5	361.8	708.2	19.0
3433	HEATING EQUIPMENT, EXC. ELECTRIC . .	32.4	9.0	23.5	262.6	234.0	87	84	30.9	268.0	561.6	1 058.4	24.5
344	FABRICATED STRUC. METAL PRODS. . .	580.2	158.7	421.5	4 832.4	4 576.9	(NA)	(NA)	394.8	3 531.8	6 742.9	14 179.6	317.5
3441	FABRICATED STRUCTURAL METAL . . .	144.1	40.3	103.9	1 220.9	1 132.6	92	92	104.3	975.5	1 703.7	3 920.1	74.7
3442	METAL DOORS, SASH, AND TRIM . . .	70.7	18.9	51.8	519.0	438.8	93	91	70.7	520.8	1 030.7	2 077.6	52.1
3443	FABRICATED PLATEWORK, BOILER SHOP . .	179.8	52.6	127.3	1 566.9	1 576.3	89	92	93.0	893.5	1 758.7	3 339.0	77.3
3444	SHEET METALWORK . . .	110.6	26.5	84.1	841.9	771.5	92	90	74.0	678.5	1 299.9	2 680.0	59.0
3446	ARCHITECTURAL METALWORK . . .	22.2	6.6	15.7	167.3	156.7	90	86	20.9	175.4	311.8	573.7	17.0
3448	PREFABRICATED METAL BUILDINGS . . .	32.2	8.8	23.4	304.6	296.1	94	95	12.5	109.4	275.9	608.9	11.3

See footnotes at end of table.

Table 4. Selected Statistics by Major Industry Group and Industry: 1977 and 1972-Con.

Code	Industry group and industry	1977									Value added by manu- facture (million dollars)	Value of ship- ments ¹ (million dollars)
		Companies (number)	All establishments		All employees		Production workers					
			Total (number)	With 20 employees or more (number)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (million)	Wages (million dollars)			
3449	MISCELLANEOUS METALWORK.	308	412	185	16.3	211.5	10.2	20.2	115.7	436.9	1 330.8	
345	SCREW MACHINE PROD., BOLTS, ETC. .	2 431	2 627	1 102	104.7	1 414.0	81.6	168.2	983.2	2 864.2	5 091.2	
3451	SCREW MACHINE PRODUCTS	1 727	1 770	654	43.8	551.6	36.0	74.3	395.5	1 023.9	1 771.7	
3452	BOLTS, NUTS, RIVETS, AND WASHERS . .	723	857	448	60.9	862.4	45.6	93.9	587.6	1 840.3	3 319.5	
346	METAL FORGINGS AND STAMPINGS . . .	3 389	3 715	1 875	288.0	4 511.3	236.1	479.6	3 418.9	8 913.4	18 264.2	
3462	IRON AND STEEL FORGINGS.	312	358	231	39.1	641.5	31.0	60.8	474.8	1 301.4	2 795.7	
3463	NONFERROUS FORGINGS.	43	47	31	5.4	93.7	4.2	8.2	64.8	240.7	456.7	
3465	AUTOMOTIVE STAMPINGS	495	591	432	132.4	2 446.0	112.5	236.8	1 956.6	4 654.5	9 739.2	
3466	CROWNS AND CLOSURES.	42	56	43	7.9	104.8	6.5	12.6	80.2	265.4	536.9	
3469	METAL STAMPINGS, NEC	2 544	2 663	1 138	103.2	1 225.4	82.0	161.2	842.5	2 451.5	4 735.7	
347	METAL SERVICES, NFC.	4 880	5 095	1 373	93.5	1 008.5	77.1	153.5	706.3	1 962.9	3 456.3	
3471	PLATING AND POLISHING.	3 344	3 447	904	61.2	634.8	51.2	101.3	446.1	1 181.8	1 848.5	
3479	METAL COATING AND ALLIED SERVICES. .	1 556	1 648	469	32.3	373.7	25.9	52.2	260.2	781.1	1 607.7	
348	ORDNANCE AND ACCESSORIES, NEC. . .	306	346	151	70.2	991.7	46.9	91.7	559.2	1 736.8	2 641.4	
3482	SMALL ARMS AMMUNITION.	59	65	16	10.3	138.1	7.7	15.4	95.3	247.5	436.2	
3483	AMMUNITION, EXC. SMALL ARMS, NEC .	68	80	48	18.9	248.1	12.4	23.5	133.2	448.7	716.5	
3484	SMALL ARMS	105	112	46	17.5	237.8	13.1	27.1	157.3	481.5	754.9	
3489	ORDNANCE AND ACCESSORIES NEC	89	89	41	23.6	367.7	13.7	25.8	173.3	559.2	733.8	
349	MISC. FABRICATED METAL PRODUCTS. .	5 780	6 373	2 328	279.4	3 555.8	208.2	406.1	2 318.1	7 854.9	14 752.6	
3493	STEEL SPRINGS, EXCEPT WIRE	116	131	59	8.2	119.8	6.6	13.3	88.0	249.9	500.5	
3494	VALVES AND PIPE FITTINGS	741	902	532	108.7	1 467.3	76.0	149.6	909.8	3 385.9	5 662.3	
3495	WIRE SPRINGS	254	332	226	21.7	253.5	18.0	35.4	187.8	497.7	957.7	
3496	MISC. FABRICATED WIRE PRODUCTS . . .	1 048	1 114	387	32.4	354.5	25.5	49.4	232.2	721.7	1 435.0	
3497	METAL FOIL AND LEAF.	63	77	52	9.4	125.8	6.6	13.0	87.1	298.0	895.1	
3498	FABRICATED PIPE AND FITTINGS	513	579	278	28.2	390.0	21.4	40.6	265.4	887.2	1 872.7	
3499	FABRICATED METAL PRODUCTS, NEC . . .	3 142	3 238	794	70.8	844.7	54.1	104.8	547.8	1 814.5	3 429.2	
35	MACHINERY, EXCEPT ELECTRICAL . . .	44 974	48 200	12 446	2 083.3	30 557.5	1 413.8	2 803.0	18 298.4	67 222.5	122 187.7	
351	ENGINES AND TURBINES	251	315	168	129.6	2 237.6	90.1	181.2	1 404.7	4 959.6	10 426.2	
3511	TURBINES, TURBINE GENERATOR SETS . .	68	83	37	40.8	709.1	24.8	51.1	368.5	1 553.1	2 729.7	
3519	INTERNAL COMBUSTION ENGINES, NEC . .	187	232	131	88.8	1 528.6	65.3	130.1	1 036.2	3 406.5	7 696.5	
352	FARM AND GARDEN MACHINERY.	1 991	2 159	756	150.9	2 196.5	110.8	210.4	1 456.4	5 490.2	11 857.0	
3523	FARM MACHINERY AND EQUIPMENT	1 868	2 004	664	131.3	1 971.9	96.2	182.7	1 313.3	4 854.4	10 281.7	
3524	LAWN AND GARDEN EQUIPMENT.	137	155	92	19.6	224.6	14.7	27.7	143.1	635.8	1 575.3	
353	CONSTRUCTION, RELATED MACHINERY. .	2 777	3 229	1 518	333.0	5 096.7	226.3	443.2	3 184.5	11 835.6	23 681.6	
3531	CONSTRUCTION MACHINERY	807	922	446	155.3	2 547.1	111.2	212.7	1 708.1	5 744.3	12 628.7	
3532	MINING MACHINERY	293	344	168	31.4	425.9	20.3	39.7	262.9	1 018.8	1 996.7	
3533	OILFIELD MACHINERY	386	478	247	58.6	867.5	39.8	83.4	543.3	2 437.6	3 912.4	
3534	ELEVATORS AND MOVING STAIRWAYS . . .	134	152	72	10.2	141.9	5.9	11.5	69.4	284.5	489.7	
3535	CONVEYORS AND CONVEYING EQUIPMENT. .	572	616	294	32.9	476.5	19.2	38.5	226.6	1 018.9	1 897.9	
3536	HOISTS, CRANES, AND MONORAILS. . . .	231	242	121	15.8	210.5	10.6	20.6	122.0	453.2	836.0	
3537	INDUSTRIAL TRUCKS AND TRACTORS	450	475	170	28.8	427.3	19.4	36.7	252.2	878.2	1 920.1	
354	METALWORKING MACHINERY	10 154	10 630	2 680	297.8	4 513.9	217.8	447.4	2 963.1	8 746.7	13 283.0	
3541	MACHINE TOOLS, METAL-CUTTING	874	919	307	59.5	951.0	37.3	76.6	542.2	1 871.0	2 819.1	
3542	MACHINE TOOLS, METAL-FORMING	411	426	163	23.7	360.7	16.1	32.8	219.4	721.9	1 130.6	
3544	SPECIAL DIES, TOOLS, JIGS, ETC	7 033	7 152	1 426	105.6	1 706.3	86.3	183.8	1 260.4	2 786.9	3 901.3	
3545	MACHINE TOOL ACCESSORIES	1 271	1 412	492	54.1	762.5	39.9	80.2	498.2	1 585.8	2 384.5	
3546	POWER DRIVEN HANDTOOLS	99	124	71	27.7	325.7	20.0	38.5	210.4	931.9	1 623.2	
3547	ROLLING MILL MACHINERY	58	63	38	7.9	128.2	5.4	10.4	78.4	286.9	507.4	
3549	METALWORKING MACHINERY, NEC.	522	534	183	19.4	279.5	12.8	25.2	154.1	562.2	916.8	
355	SPECIAL INDUSTRY MACHINERY	3 798	4 090	1 487	185.0	2 615.9	117.6	235.7	1 449.9	5 271.4	9 128.2	
3551	FOOD PRODUCTS MACHINERY.	685	740	315	36.3	522.1	22.8	45.4	292.6	1 056.4	1 786.8	
3552	TEXTILE MACHINERY.	600	639	217	26.0	300.8	18.3	36.3	185.3	540.0	951.0	
3553	WOODWORKING MACHINERY.	291	301	105	10.3	131.2	7.4	14.7	81.9	317.8	585.6	
3554	PAPER INDUSTRIES MACHINERY	193	213	103	16.4	247.5	9.3	18.8	123.8	464.9	826.9	
3555	PRINTING TRADES MACHINERY.	520	595	199	25.5	369.2	15.6	31.7	192.9	793.6	1 350.9	
3559	SPECIAL INDUSTRY MACHINERY, NEC. . . .	1 548	1 602	548	70.6	1 045.1	44.1	88.7	573.4	2 098.7	3 627.0	
356	GENERAL INDUSTRIAL MACHINERY	4 464	4 947	1 806	313.5	4 451.1	212.4	420.6	2 712.4	9 672.6	16 542.0	
3561	PUMPS AND PUMPING EQUIPMENT.	515	613	285	63.0	900.6	39.8	79.5	506.9	2 141.6	3 773.7	
3562	BALL AND ROLLER BEARINGS	102	149	104	50.6	752.6	41.3	82.4	579.9	1 472.7	2 567.3	
3563	AIR AND GAS COMPRESSORS.	148	175	103	32.0	465.6	19.1	38.2	255.2	1 145.5	2 075.6	
3564	BLOWERS AND FANS	432	482	198	28.0	356.8	18.6	36.7	209.6	776.7	1 430.8	
3565	INDUSTRIAL PATTERNS.	1 001	1 002	115	9.3	152.7	8.0	15.8	122.2	252.5	320.6	
3566	SPEED CHANGERS, DRIVES, AND GEARS. .	307	327	162	25.3	365.4	17.6	35.0	226.7	803.1	1 222.3	
3567	INDUSTRIAL FURNACES AND OVENS. . . .	311	327	137	15.2	209.4	9.3	17.9	107.4	469.3	746.3	
3568	POWER TRANSMISSION EQUIPMENT, NEC. .	184	226	163	32.5	464.8	23.8	45.8	306.8	1 009.1	1 626.0	
3569	GENERAL INDUSTRIAL MACHINERY, NEC. .	1 586	1 646	539	57.5	783.2	34.9	69.2	397.7	1 602.2	2 779.5	
357	OFFICE AND COMPUTING MACHINES. . . .	1 175	1 317	610	259.3	3 948.8	123.5	243.3	1 384.4	9 921.4	16 841.9	
3573	ELECTRONIC COMPUTING EQUIPMENT . . .	808	932	435	192.7	3 004.3	85.5	172.4	978.4	7 623.5	12 923.6	
3574	CALCULATING, ACCOUNTING MACHINES . .	58	64	31	17.1	220.7	10.4	18.1	92.9	391.3	850.0	
3576	SCALES, BALANCES, EXC. LABORATORY. .	92	103	46	7.1	84.5	4.7	9.1	46.9	214.9	348.1	
3579	OFFICE MACHINES, TYPEWRITERS, ETC. .	191	215	98	42.4	639.1	22.9	43.7	266.1	1 691.4	2 719.7	
358	REFRIGERATION AND SERVICE MACH. . .	1 922	2 114	837	191.5	2 516.4	138.4	270.7	1 637.4	5 962.6	12 416.1	
3581	AUTOMATIC MERCHANDISING MACHINES . .	108	113	35	8.8	103.2	6.4	12.4	65.1	211.7	410.1	
3582	COMMERCIAL LAUNDRY EQUIPMENT	90	94	38	4.6	54.4	3.3	6.4	35.6	117.3	220.3	
3585	REFRIGERATION, HEATING EQUIPMENT . .	731	860	457	138.6	1 849.7	104.4	205.4	1 270.2	4 469.2	9 638.1	
3586	MEASURING AND DISPENSING PUMPS . . .	57	59	30	7.4	97.3	5.1	9.7	57.9	218.0	375.7	
3589	SERVICE INDUSTRY MACHINERY, NEC. . .	959	988	277	32.1	411.8	19.2	36.9	208.6	946.4	1 771.8	
359	MISC. MACHINERY, EXC. FLEC	19 257	19 399	2 584	222.7	2 980.4	176.8	350.5	2 105.6	5 362.4	8 011.8	
3592	CARBURETORS, PISTONS, RINGS, ETC. . .	131	151	84	32.2	508.5	26.0	52.5	388.5	924.9	1 400.6	
3599	MACHINERY, EXCEPT ELECTRICAL, NEC. .	19 137	19 248	2 500	190.5	2 471.8	150.8	298.0	1 717.1	4 437.6	6 611.2	

See footnotes at end of table.

Table 4. Selected Statistics by Major Industry Group and Industry: 1977 and 1972—Con.

Code	Industry group and industry	1977--Continued							1972				
		New capital expenditures ^a			Inventories		Ratios		All employees		Value added by manufacture		
		Total (million dollars)	Structures and additions to plant (million dollars)	Machinery and equipment (million dollars)	End of year (million dollars)	Beginning of year (million dollars)	Specialization (percent)	Coverage (percent)	Number (1,000)	Payroll (million dollars)	(million dollars)	Value of shipments ¹ (million dollars)	New capital expenditures (million dollars)
3449	MISCELLANEOUS METALWORK.	20.5	5.2	15.3	211.8	204.8	91	78	19.5	178.8	362.2	980.4	26.2
345	SCREW MACHINE PROD., BOLTS, ETC. .	184.1	26.6	157.5	944.9	881.3	(NA)	(NA)	100.6	948.0	1 845.3	3 091.5	88.9
3451	SCREW MACHINE PRODUCTS	71.9	9.1	62.8	230.6	207.9	96	92	40.5	357.3	648.5	1 063.8	33.2
3452	BOLTS, NUTS, RIVETS, AND WASHERS .	112.3	17.5	94.8	714.3	673.3	94	94	60.1	590.7	1 196.8	2 027.6	55.7
346	METAL FORGINGS AND STAMPINGS . . .	604.4	78.9	525.6	2 361.4	2 160.0	(NA)	(NA)	263.5	2 791.4	5 057.3	9 956.9	237.7
3462	IRON AND STEEL FORGINGS.	126.7	16.5	110.2	452.7	429.8	92	84	34.3	387.2	661.8	1 416.1	28.1
3463	NONFERROUS FORGINGS.	13.7	3.6	10.1	123.8	101.1	87	67	5.8	63.7	104.0	222.5	7.0
3465	AUTOMOTIVE STAMPINGS	292.2	25.1	267.1	948.3	872.8	92	91	123.3	1 485.4	2 663.8	5 286.0	117.5
3466	CROWNS AND CLOSURES.	17.1	2.0	15.1	121.0	99.2	95	86	8.1	74.1	166.7	343.5	8.3
3469	METAL STAMPINGS, NEC.	154.7	31.6	123.0	715.7	657.2	88	88	92.0	781.0	1 461.0	2 688.8	76.7
347	METAL SERVICES, NEC.	121.1	22.2	98.8	287.2	251.6	(NA)	(NA)	82.1	624.2	1 120.3	1 736.3	64.2
3471	PLATING AND POLISHING.	73.2	14.7	58.4	128.3	112.5	(⁸)	(⁸)	54.6	403.1	741.2	1 034.5	40.2
3479	METAL COATING AND ALLIED SERVICES. .	47.9	7.5	40.4	159.0	139.2	(⁸)	(⁸)	27.6	221.1	379.2	701.8	24.0
348	ORDNANCE AND ACCESSORIES, NEC. . .	82.5	15.0	67.5	518.8	462.1	(NA)	(NA)	109.5	1 015.3	1 476.0	2 787.0	61.6
3482	SMALL ARMS AMMUNITION.	42.9	5.7	37.1	117.6	121.9	95	90	13.9	129.3	228.6	438.0	10.8
3483	AMMUNITION, EXC. SMALL ARMS, NEC. .	9.2	2.0	7.2	58.3	62.7	83	76	54.9	479.1	624.1	1 477.9	24.5
3484	SMALL ARMS.	20.5	6.1	14.4	166.7	153.5	94	99	16.1	152.1	278.6	393.5	11.3
3489	ORDNANCE AND ACCESSORIES NEC. . . .	10.1	1.3	8.8	176.2	123.9	81	68	24.6	254.8	344.7	477.7	15.0
349	MISC. FABRICATED METAL PRODUCTS. .	452.0	93.0	359.1	3 080.9	2 847.1	(NA)	(NA)	244.3	2 141.7	4 283.0	7 784.8	212.2
3493	STEEL SPRINGS, EXCEPT WIRE	14.1	2.4	11.7	81.6	73.7	84	72	8.5	79.9	149.7	331.4	6.6
3494	VALVES AND PIPE FITTINGS	201.2	42.5	158.7	1 508.2	1 374.8	89	88	94.3	879.9	1 751.2	2 956.9	79.0
3495	WIRE SPRINGS	27.6	4.5	23.1	104.5	105.9	92	92	23.7	193.2	340.7	611.9	12.9
3496	MISC. FABRICATED WIRE PRODUCTS . .	47.3	10.6	36.6	252.8	233.6	91	37	33.2	261.4	504.4	959.7	28.9
3497	METAL FOIL AND LEAF.	16.1	1.8	14.3	141.1	124.6	80	63	5.4	51.9	126.5	282.0	8.2
3498	FABRICATED PIPE AND FITTINGS	51.0	12.7	38.3	418.4	395.3	94	93	17.5	164.7	363.1	704.4	14.7
3499	FABRICATED METAL PRODUCTS, NEC. . .	94.8	18.5	76.3	574.3	539.2	89	83	61.8	510.7	1 047.4	1 938.6	61.8
35	MACHINERY, EXCEPT ELECTRICAL . .	4 402.4	948.7	3 453.7	27 170.9	25 153.3	(NA)	(NA)	1 827.7	18 523.3	37 562.9	65 820.7	1 906.3
351	ENGINES AND TURBINES	329.9	44.5	285.4	2 169.6	1 909.0	(NA)	(NA)	116.0	1 320.3	2 899.5	5 507.4	185.5
3511	TURBINES, TURBINE GENERATOR SETS . .	44.1	5.4	38.8	827.6	775.5	92	82	46.2	548.9	1 225.3	2 189.0	93.5
3519	INTERNAL COMBUSTION ENGINES, NEC. . .	285.8	39.1	246.7	1 342.0	1 133.5	91	88	69.9	771.4	1 674.2	3 318.4	92.0
352	FARM AND GARDEN MACHINERY.	370.5	75.4	295.1	2 464.1	2 441.7	(NA)	(NA)	125.3	1 211.2	2 701.2	5 590.4	163.6
3523	FARM MACHINERY AND EQUIPMENT. . . .	341.9	70.5	271.3	2 083.4	2 088.8	92	95	104.6	1 045.7	2 248.0	4 531.4	116.0
3524	LAWN AND GARDEN EQUIPMENT.	28.6	4.9	23.8	380.7	352.9	92	82	20.7	165.5	453.2	1 059.1	47.6
353	CONSTRUCTION, RELATED MACHINERY. .	932.4	268.4	664.0	6 156.5	6 095.7	(NA)	(NA)	275.4	2 855.7	5 962.2	11 089.5	282.1
3531	CONSTRUCTION MACHINERY	498.3	151.4	346.8	3 142.3	3 171.8	91	95	133.8	1 460.2	3 130.7	6 091.0	159.5
3532	MINING MACHINERY	67.0	23.8	43.2	646.1	603.7	88	86	21.3	197.6	393.2	771.2	13.4
3533	OILFIELD MACHINERY	257.5	67.9	189.7	1 212.5	1 216.0	88	95	35.9	357.5	788.6	1 213.0	54.7
3534	ELEVATORS AND MOVING STAIRWAYS . . .	8.8	1.8	7.1	119.1	123.0	96	93	15.0	144.5	310.2	483.6	7.8
3535	CONVEYORS AND CONVEYING EQUIPMENT. .	34.7	9.0	25.7	363.8	329.9	90	87	27.2	275.5	540.1	968.0	13.2
3536	HOISTS, CRANES, AND MONORAILS. . . .	17.9	4.5	13.3	203.6	196.6	87	76	16.3	160.9	274.7	527.3	13.8
3537	INDUSTRIAL TRUCKS AND TRACTORS . . .	48.3	10.0	38.3	469.1	454.7	94	95	25.8	259.5	524.7	1 035.4	19.7
354	METALWORKING MACHINERY	438.6	79.1	359.5	2 848.1	2 510.1	(NA)	(NA)	268.1	2 858.6	4 901.7	7 267.0	218.8
3541	MACHINE TOOLS, METAL-CUTTING	82.2	15.4	66.8	878.4	741.5	87	92	52.5	573.8	901.7	1 418.1	35.2
3542	MACHINE TOOLS, METAL-FORMING	24.7	3.2	21.5	359.6	317.2	90	87	24.1	265.4	417.7	696.3	17.5
3544	SPECIAL DIES, TOOLS, JIGS, ETC. . . .	175.7	29.3	146.4	449.9	378.6	94	79	97.8	1 113.8	1 797.4	2 423.7	97.0
3545	MACHINE TOOL ACCESSORIES	77.2	13.8	63.4	468.5	413.3	89	88	46.7	456.6	876.1	1 243.4	30.2
3546	POWER DRIVEN HANDTOOLS	39.0	7.4	31.6	326.0	311.4	91	90	23.1	202.3	434.5	730.5	20.3
3547	ROLLING MILL MACHINERY	9.1	.6	8.4	131.8	154.5	78	86	10.4	115.2	206.4	327.8	6.3
3549	METALWORKING MACHINERY, NEC.	30.7	9.3	21.5	233.8	193.7	88	82	13.6	131.5	267.9	427.3	12.3
355	SPECIAL INDUSTRY MACHINERY	243.6	58.4	185.2	2 309.2	2 172.4	(NA)	(NA)	190.1	1 853.9	3 731.9	6 207.2	160.0
3551	FOOD PRODUCTS MACHINERY.	46.9	9.0	37.9	499.4	453.4	90	92	31.9	315.9	605.2	1 000.1	21.8
3552	TEXTILE MACHINERY.	32.2	7.9	24.3	233.5	256.7	93	94	32.7	271.0	487.9	823.7	27.6
3553	WOODWORKING MACHINERY.	13.8	3.0	10.8	111.6	100.6	94	95	13.7	123.9	285.1	495.2	12.4
3554	PAPER INDUSTRIES MACHINERY	17.2	4.5	12.6	220.2	225.0	84	90	15.3	159.0	254.0	447.8	8.3
3555	PRINTING TRADES MACHINERY.	46.8	14.0	32.7	355.4	316.7	97	92	23.9	249.4	503.6	823.5	16.1
3559	SPECIAL INDUSTRY MACHINERY, NEC. . .	86.8	20.0	66.8	889.2	820.0	88	85	72.6	734.7	1 596.1	2 616.9	73.8
356	GENERAL INDUSTRIAL MACHINERY	552.7	116.8	435.9	4 013.9	3 698.0	(NA)	(NA)	262.0	2 585.4	5 019.7	8 433.7	232.1
3561	PUMPS AND PUMPING EQUIPMENT.	123.5	26.0	97.5	1 024.0	925.1	88	88	55.5	532.9	1 095.6	1 917.3	56.9
3562	BALL AND ROLLER BEARINGS	132.9	21.6	111.3	621.7	569.0	96	98	50.9	525.5	931.3	1 530.5	51.3
3563	AIR AND GAS COMPRESSORS.	55.8	10.8	45.0	610.9	589.0	88	89	22.9	226.6	467.5	858.4	15.3
3564	BLOWERS AND FANS	37.5	11.2	26.3	242.9	232.6	89	87	23.5	216.1	468.8	805.3	22.2
3565	INDUSTRIAL PATTERNS.	11.1	2.1	9.0	25.2	20.6	97	75	8.5	103.1	161.0	198.0	5.3
3566	SPEED CHANGERS, DRIVES, AND GEARS. .	48.5	11.6	36.9	297.8	283.6	87	84	22.5	224.2	409.0	632.7	21.8
3567	INDUSTRIAL FURNACES AND OVENS. . . .	13.4	2.6	10.8	151.4	118.1	91	90	13.6	138.5	244.3	443.2	7.5
3568	POWER TRANSMISSION EQUIPMENT, NEC. .	50.3	8.1	42.3	418.8	381.8	82	74	27.7	266.5	544.4	876.4	20.4
3569	GENERAL INDUSTRIAL MACHINERY, NEC. .	79.6	22.8	56.8	621.2	578.2	88	86	37.0	351.8	697.7	1 171.9	31.3
357	OFFICE AND COMPUTING MACHINES. . . .	826.1	166.1	660.1	3 887.3	3 331.9	(NA)	(NA)	208.4	2 277.3	4 904.5	8 604.9	287.0
3573	ELECTRONIC COMPUTING EQUIPMENT . . .	651.5	107.3	544.2	3 007.9	2 526.0	94	91	144.8	1 668.3	3 497.6	6 471.2	212.8
3574	CALCULATING, ACCOUNTING MACHINES . .	56.3	26.2	30.2	218.2	222.0	84	77	22.5	207.2	407.0	637.1	19.0
3576	SCALES, BALANCES, EXC. LABORATORY. .	6.8	1.5	5.4	85.7	79.6	96	99	6.7	59.3	129.7	200.4	5.7
3579	OFFICE MACHINES, TYPEWRITERS, ETC. .	111.5	31.1	80.4	575.3	504.2	76	91	34.5	342.5	870.1	1 296.2	49.6
358	REFRIGERATION AND SERVICE MACH. . .	287.9	55.1	232.8	2 259.5	2 054.1	(NA)	(NA)	197.9	1 863.9	4 426.7	8 711.0	228.2
3581	AUTOMATIC MERCHANDISING MACHINES . .	7.9	1.6	6.3	109.6	83.2	94	93	10.5	83.6	183.4	324.4	5.6
3582	COMMERCIAL LAUNDRY EQUIPMENT	2.2	.4	1.9	53.5	49.1	90	81	4.8	42.2	88.2	157.0	1.2
3585	REFRIGERATION, HEATING EQUIPMENT . .	233.0	42.2	190.8	1 632.7	1 507.9	89	95	150.8	1 442.1	3 517.4	7 083.5	201.2
3586	MEASURING AND DISPENSING PUMPS . . .	6.2	1.1	5.2	97.9	89.5	61	82	7.2	67.3	134.1	232.3	4.5
3589	SERVICE INDUSTRY MACHINERY, NEC. . .	38.5	9.8	28.7	365.9	324.4	91	90	24.4	228.8	503.6	913.8	15.7
359	MISC. MACHINERY, EXC. ELEC.	420.8	85.1	335.7	1 062.6	940.4	(NA)	(NA)	184.4	1 697.0	3 015.5	4 409.5	149.2
3592	CARBURETORS, PISTONS, RINGS, ETC. . .	79.9	16.7	63.3	240.0	202.7	82	87	26.7	272.3	500.0	744.3	27.1
3599	MACHINERY, EXCEPT ELECTRICAL, NEC. .	340.9	68.4	272.5	822.7	737.6	96	94	157.8	1 424.7	2 555.5	3 665.2	122.2

See footnotes at end of table.

Table 4. Selected Statistics by Major Industry Group and Industry: 1977 and 1972-Con.

Code	Industry group and industry	1977								Value added by manu- facture (million dollars)	Value of ship- ments ¹ (million dollars)
		Companies (number)	All establishments		All employees		Production workers				
			Total (number)	With 20 employees or more (number)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (million)	Wages (million dollars)		
36	ELECTRIC, ELECTRONIC EQUIP . . .	12 554	14 973	6 338	1 723.1	22 544.2	1 191.4	2 309.2	12 951.6	50 365.7	88 433.1
361	ELECTRIC DISTRIBUTING EQUIPMENT. .	753	947	459	115.3	1 431.3	84.9	162.3	909.9	3 335.9	5 771.7
3612	TRANSFORMERS	229	279	143	43.3	529.6	32.8	62.5	349.8	1 170.0	2 209.1
3613	SWITCHGEAR, SWITCHBOARD APPARATUS. .	542	668	316	72.0	901.7	52.1	99.9	560.1	2 165.9	3 562.6
362	ELECTRICAL INDUSTRIAL APPARATUS. .	1 407	1 646	819	198.4	2 542.6	142.0	278.8	1 572.1	5 614.2	9 591.4
3621	MOTORS AND GENERATORS.	343	447	299	96.9	1 177.6	74.2	145.8	802.6	2 609.8	4 462.7
3622	INDUSTRIAL CONTROLS.	676	726	283	55.4	726.6	35.3	69.0	380.1	1 602.2	2 511.4
3623	WELDING APPARATUS, ELECTRIC.	160	176	87	17.5	285.7	11.3	23.0	165.1	582.7	1 189.6
3624	CARBON AND GRAPHITE PRODUCTS	58	74	48	12.1	164.1	9.0	17.7	110.9	408.4	735.2
3629	ELEC. INDUSTRIAL APPARATUS, NEC. . . .	213	223	102	16.5	188.6	12.2	23.4	113.4	411.0	692.4
363	HOUSEHOLD APPLIANCES	528	666	342	162.3	1 898.1	128.7	243.1	1 352.1	5 276.2	10 736.5
3631	HOUSEHOLD COOKING EQUIPMENT.	84	96	58	25.4	289.1	19.1	36.8	197.9	784.1	1 707.2
3632	HOUSEHOLD REFRIGERATORS, FREEZERS. .	33	42	25	35.8	468.6	29.8	56.9	358.0	1 166.1	2 576.6
3633	HOUSEHOLD LAUNDRY EQUIPMENT.	21	31	24	19.4	262.4	15.9	29.4	202.4	844.7	1 792.8
3634	ELECTRIC HOUSEWARES AND FANS	239	291	148	47.3	458.7	37.6	71.4	305.0	1 365.7	2 531.2
3635	HOUSEHOLD VACUUM CLEANERS.	32	35	22	10.4	116.6	7.3	12.9	78.9	378.8	639.9
3636	SEWING MACHINES.	86	91	25	8.2	107.0	6.1	10.6	66.8	208.9	304.9
3639	HOUSEHOLD APPLIANCES, NEC.	65	80	40	15.7	195.6	12.8	25.1	143.2	527.9	1 184.0
364	ELEC. LIGHTING, WIRING EQUIP	1 762	2 009	913	165.0	1 925.4	127.2	244.6	1 292.1	4 741.2	8 357.0
3641	ELECTRIC LAMPS	128	167	64	28.7	322.4	25.3	47.5	266.3	1 089.2	1 651.4
3643	CURRENT-CARRYING WIRING DEVICES. . .	361	413	198	43.9	480.3	33.6	66.2	312.1	1 100.1	1 795.2
3644	NONCURRENT-CARRYING WIR'G DEVICES. .	174	202	123	25.8	330.1	18.4	35.9	210.9	744.4	1 421.8
3645	RESIDENTIAL LIGHTING FIXTURES. . . .	675	710	244	23.7	229.5	18.2	33.4	139.4	494.2	986.6
3646	COMMERCIAL LIGHTING FIXTURES	192	218	122	15.6	169.1	11.1	20.6	98.8	434.7	922.7
3647	VEHICULAR LIGHTING EQUIPMENT	70	75	43	14.5	246.0	11.4	23.3	178.8	536.0	908.5
3648	LIGHTING EQUIPMENT, NEC.	211	224	119	12.8	148.0	9.1	17.7	85.8	342.6	671.0
365	RADIO, TV RECEIVING EQUIPMENT. . . .	1 223	1 290	325	97.7	1 097.0	75.4	143.8	740.0	3 078.1	6 913.2
3651	RADIO AND TV RECEIVING SETS.	546	581	192	74.6	852.4	57.6	106.6	570.0	2 350.9	5 731.6
3652	PHONO. RECORDS, PRERECORDED TAPE . .	679	709	133	23.1	244.6	17.8	37.2	170.0	727.3	1 181.7
366	COMMUNICATION EQUIPMENT.	2 068	2 385	1 126	458.5	6 995.0	259.6	499.5	3 226.2	14 130.0	22 744.2
3661	TELEPHONE AND TELEGRAPH APPARATUS. .	208	264	154	124.4	1 818.0	87.1	164.2	1 125.9	4 192.0	7 858.3
3662	RADIO AND TV COMMUNICATION EQUIP . .	1 873	2 121	972	334.1	5 177.0	172.4	335.2	2 100.3	9 938.0	14 886.0
367	ELECTRONIC COMPONENTS, ACCESS. . . .	4 019	4 455	1 671	373.5	4 556.5	257.9	508.7	2 457.4	9 259.6	15 389.6
3671	ELECTRON TUBES, RECEIVING TYPE	125	146	60	36.7	514.1	27.5	53.7	324.5	909.6	1 581.7
3674	SEMICONDUCTORS, RELATED DEVICES. . .	499	545	219	114.0	1 601.1	63.5	126.5	670.3	3 414.0	5 327.1
3675	ELECTRONIC CAPACITORS.	86	118	97	28.9	260.5	23.4	45.7	179.0	486.1	742.3
3676	ELECTRONIC RESISTORS	77	101	80	21.3	210.9	15.9	32.4	130.6	401.0	578.3
3677	ELECTRONIC COILS AND TRANSFORMERS. .	276	294	194	20.7	166.6	17.1	31.8	113.1	289.1	506.4
3678	ELECTRONIC CONNECTORS.	106	133	107	26.0	303.6	19.1	37.6	185.1	754.2	1 104.6
3679	ELECTRONIC COMPONENTS, NEC	3 005	3 118	914	125.9	1 499.7	91.4	181.0	854.7	3 005.7	5 549.2
369	MISC. ELEC. EQUIPMENT, SUPPLIES. . . .	1 340	1 575	683	152.4	2 098.3	115.7	228.4	1 401.8	4 930.4	8 929.5
3691	STORAGE BATTERIES.	134	218	134	25.9	358.7	21.1	43.4	276.4	927.8	1 982.5
3692	PRIMARY BATTERIES, DRY AND WET	41	58	33	11.0	118.2	9.0	18.0	87.4	343.2	666.1
3693	X-RAY APPARATUS AND TUBES.	212	243	126	30.9	467.6	17.1	33.3	195.5	1 231.9	1 884.7
3694	ENGINE ELECTRICAL EQUIPMENT.	372	409	181	63.8	948.4	51.8	102.6	708.6	2 041.3	3 647.2
3699	ELECTRICAL EQUIP., SUPPLIES, NEC . . .	612	647	209	20.7	205.3	16.7	31.1	133.9	386.2	749.0
37	TRANSPORTATION EQUIPMENT	8 934	10 176	3 653	1 768.2	30 673.5	1 284.4	2 612.7	20 314.3	64 291.1	166 954.0
371	MOTOR VEHICLES AND EQUIPMENT	3 591	4 234	1 708	876.3	16 037.7	727.6	1 524.2	12 682.4	37 023.1	117 746.5
3711	MOTOR VEHICLES AND CAR BODIES. . . .	254	322	119	343.6	7 077.6	289.9	620.4	5 724.9	18 723.7	76 517.8
3713	TRUCK AND BUS BODIES	770	820	313	34.8	428.6	27.4	53.9	307.6	946.3	2 003.3
3714	MOTOR VEHICLE PARTS, ACCESSORIES . . .	2 194	2 623	997	450.7	8 004.0	372.5	777.2	6 284.9	16 263.8	35 750.8
3715	TRUCK TRAILERS	316	353	165	28.1	322.0	22.5	43.1	229.9	645.9	1 910.1
3716	MOTOR HOMES.	80	116	114	19.2	205.4	15.4	29.6	135.1	443.3	1 564.5
372	AIRCRAFT AND PARTS	1 027	1 173	549	430.8	7 620.5	240.1	475.0	3 563.5	14 731.7	25 867.1
3721	AIRCRAFT	151	176	74	222.7	3 975.9	119.0	232.7	1 765.2	8 134.1	14 834.2
3724	AIRCRAFT ENGINES AND ENGINE PARTS. .	226	269	177	106.1	1 939.4	62.4	128.7	970.0	3 599.1	6 272.3
3728	AIRCRAFT EQUIPMENT, NEC.	681	728	298	102.0	1 705.2	58.7	113.7	828.3	2 998.4	4 760.6
373	SHIP, BOAT BUILDING, REPAIRING	2 692	2 795	736	220.2	2 939.8	175.5	345.6	2 132.1	4 681.4	8 317.8
3731	SHIP BUILDING AND REPAIRING.	542	605	314	176.4	2 494.0	139.9	277.2	1 807.4	3 825.0	6 495.1
3732	BOAT BUILDING AND REPAIRING.	2 148	2 190	422	43.8	445.8	35.6	68.4	324.7	856.3	1 822.6
3743	RAILROAD EQUIPMENT	145	201	118	56.3	888.6	42.6	79.4	619.9	1 882.8	4 278.3
3751	MOTORCYCLES, BICYCLES, AND PARTS . .	343	350	63	15.6	168.9	13.3	24.6	129.9	369.8	1 007.6
376	GUIDED MISSILES, SPACE VEHICLES. . . .	74	109	86	119.8	2 427.3	46.2	90.2	770.6	4 421.9	6 599.3
3761	GUIDED MISSILES, SPACE VEHICLES. . . .	20	40	37	94.0	1 931.5	35.2	67.0	603.8	23 564.8	25 314.4
3764	SPACE PROPULSION UNITS AND PARTS . . .	18	25	24	18.6	356.6	7.1	14.9	111.5	620.7	945.5
3769	SPACE VEHICLE EQUIPMENT, NEC	41	42	25	7.2	139.2	3.9	8.3	55.3	236.3	339.4
379	MISC. TRANSPORTATION EQUIPMENT . . .	1 206	1 314	393	49.1	590.7	39.1	73.8	415.9	1 180.5	3 137.5
3792	TRAVEL TRAILERS AND CAMPERS.	775	861	266	26.3	275.7	21.8	40.7	197.1	510.3	1 582.4
3795	TANKS AND TANK COMPONENTS.	20	24	18	12.4	208.5	10.0	19.8	156.2	437.6	934.2
3799	TRANSPORTATION EQUIPMENT, NEC. . . .	408	429	109	10.3	106.6	7.4	13.3	62.6	232.7	620.9
38	INSTRUMENTS, RELATED PRODUCTS. . . .	6 616	7 481	2 538	559.1	7 520.4	347.2	677.9	3 743.2	18 762.0	28 897.8
3811	ENGINEERING, SCIENTIFIC INSTRU	740	786	279	42.3	584.4	24.7	48.7	280.7	1 287.2	1 926.7
382	MEASURING, CONTROLLING DEVICES	1 847	2 079	849	200.1	2 665.8	121.4	237.6	1 288.4	5 242.3	7 910.3
3822	ENVIRONMENTAL CONTROLS	182	201	91	39.0	450.3	30.6	57.9	315.6	859.6	1 358.7
3823	PROCESS CONTROL INSTRUMENTS.	383	426	207	46.5	664.8	23.4	47.0	265.9	1 399.4	2 022.0
3824	FLUID METERS AND COUNTING DEVICES. . .	100	111	62	15.9	197.6	11.2	22.5	118.0	429.0	650.4
3825	INSTRU. TO MEASURE ELECTRICITY	622	671	279	66.5	889.1	40.4	78.3	414.5	1 807.7	2 761.0
3829	MEASURING, CONTROL'G DEVICES, NEC . .	649	670	210	32.3	464.0	15.8	31.8	174.5	746.6	1 118.1

See footnotes at end of table.

Table 4. Selected Statistics by Major Industry Group and Industry: 1977 and 1972-Cont.

Code	Industry group and industry	1977--Continued						1972					
		New capital expenditures ⁴			Inventories		Ratios		All employees		Value added by manu- facture (million dollars)	Value of ship- ments ¹ (million dollars)	New capital expend- itures (million dollars)
		Total (million dollars)	Struc- tures and additions to plant (million dollars)	Machinery and equipment (million dollars)	End of year (million dollars)	Beginning of year (million dollars)	Spe- cial- iza- tion (per- cent)	Cov- er- age (per- cent)	Num- ber (1,000)	Payroll (million dollars)			
36	ELECTRIC, ELECTRONIC EQUIP . . .	2 866.5	519.9	2 346.6	16 058.7	14 273.0	(NA)	(NA)	1 661.1	15 189.0	30 578.5	53 394.3	1 417.5
361	ELECTRIC DISTRIBUTING EQUIPMENT. .	141.2	24.7	116.5	1 039.6	944.2	(NA)	(NA)	116.0	1 040.0	2 060.3	3 585.4	63.7
3612	TRANSFORMERS	67.2	8.7	58.5	385.8	344.1	95	97	46.8	420.2	757.3	1 461.9	26.8
3613	SWITCHGEAR, SWITCHBOARD APPARATUS. .	73.9	16.0	58.0	653.8	600.1	91	91	69.2	619.8	1 303.0	2 123.5	36.9
362	ELECTRICAL INDUSTRIAL APPARATUS. .	311.0	64.5	246.5	2 002.1	1 791.4	(NA)	(NA)	188.0	1 665.1	3 217.9	5 402.3	148.3
3621	MOTORS AND GENERATORS.	162.6	28.7	133.8	771.4	678.0	92	80	90.3	764.4	1 475.2	2 501.7	58.9
3622	INDUSTRIAL CONTROLS.	57.5	12.8	44.7	616.1	563.9	87	86	51.1	465.6	908.4	1 424.1	46.8
3623	WELDING APPARATUS, ELECTRIC.	38.7	14.5	24.1	258.8	226.2	86	94	15.5	173.9	353.5	659.6	11.4
3624	CARBON AND GRAPHITE PRODUCTS	35.4	4.6	30.8	215.9	200.0	94	93	11.3	99.6	217.4	377.4	20.2
3629	ELEC. INDUSTRIAL APPARATUS, NEC. . . .	16.8	3.8	13.0	140.0	123.3	87	81	20.2	165.0	270.0	449.4	11.2
363	HOUSEHOLD APPLIANCES	207.0	42.4	164.6	1 674.7	1 524.3	(NA)	(NA)	163.0	1 369.2	3 563.7	6 940.3	151.8
3631	HOUSEHOLD COOKING EQUIPMENT.	36.1	8.9	27.1	303.8	283.7	92	80	23.3	205.7	412.0	939.8	25.5
3632	HOUSEHOLD REFRIGERATORS, FREEZERS. . .	46.9	10.7	36.2	399.1	352.1	77	98	34.1	305.3	790.8	1 719.7	25.5
3633	HOUSEHOLD LAUNDRY EQUIPMENT.	27.3	7.6	19.7	170.6	162.1	87	90	23.6	223.1	684.7	1 356.5	31.0
3634	ELECTRIC HOUSEWARES AND FANS	47.8	8.3	39.5	429.5	409.2	87	90	51.3	357.5	909.2	1 613.3	32.6
3635	HOUSEHOLD VACUUM CLEANERS.	16.2	.7	15.5	85.2	81.0	(D)	81	11.2	98.7	299.5	467.7	9.7
3636	SEWING MACHINES.	8.1	.8	7.2	122.3	103.6	(D)	(D)	5.3	54.6	124.6	159.6	9.3
3639	HOUSEHOLD APPLIANCES, NEC.	24.6	5.4	19.2	164.2	132.6	93	79	14.0	123.5	341.4	681.9	18.3
364	ELEC. LIGHTING, WIRING EQUIP	217.1	36.9	180.3	1 414.7	1 267.1	(NA)	(NA)	177.1	1 415.7	3 276.8	5 650.8	159.7
3641	ELECTRIC LAMPS	36.6	5.9	30.7	121.4	104.3	97	98	31.5	239.7	724.4	1 095.7	31.1
3643	CURRENT-CARRYING WIRING DEVICES. . . .	55.8	10.3	45.5	341.5	284.7	84	79	50.4	382.5	792.1	1 255.9	53.7
3644	NONCURRENT-CARRYING WIRING DEVICES. . .	32.8	9.4	23.4	350.5	335.3	82	83	25.7	217.0	490.8	886.4	25.2
3645	RESIDENTIAL LIGHTING FIXTURES.	11.8	2.6	9.2	193.2	183.1	95	92	26.5	189.3	390.2	767.2	13.7
3646	COMMERCIAL LIGHTING FIXTURES	18.0	3.5	14.6	182.3	162.5	90	86	18.8	148.3	350.4	718.7	13.7
3647	VEHICULAR LIGHTING EQUIPMENT	46.3	2.5	43.8	97.1	78.2	68	94	13.6	142.1	299.8	499.8	7.2
3648	LIGHTING EQUIPMENT, NEC.	15.8	2.8	13.0	128.6	118.8	85	81	12.7	107.9	254.3	466.5	16.6
365	RADIO, TV RECEIVING EQUIPMENT.	135.7	31.4	104.3	956.2	903.6	(NA)	(NA)	106.9	797.9	2 183.4	5 007.8	75.5
3651	RADIO AND TV RECEIVING SETS.	105.8	26.4	79.4	835.0	794.8	94	98	86.5	651.4	1 807.8	4 440.1	58.6
3652	PHONO, RECORDS, PRERECORDED TAPE . . .	29.8	5.0	24.8	121.3	108.8	99	99	20.3	146.5	375.6	567.7	16.9
366	COMMUNICATION EQUIPMENT.	688.7	118.5	570.2	4 662.0	4 110.5	(NA)	(NA)	453.6	4 912.1	8 453.1	13 665.0	381.4
3661	TELEPHONE AND TELEGRAPH APPARATUS. . .	217.3	17.1	200.2	1 503.3	1 220.2	94	97	134.4	1 323.0	2 650.1	4 524.7	169.2
3662	RADIO AND TV COMMUNICATION EQUIP . . .	471.4	101.4	370.0	3 158.7	2 890.3	92	92	319.2	3 589.1	5 803.1	9 140.2	212.2
367	ELECTRONIC COMPONENTS, ACCESS.	782.6	126.3	656.3	2 773.3	2 445.6	(NA)	(NA)	335.8	2 869.3	5 305.8	8 825.9	344.4
3671	ELECTRON TUBES, RECEIVING TYPE	52.6	15.2	37.4	254.7	231.1	78	93	11.4	87.7	173.8	230.4	1.8
3674	SEMICONDUCTORS, RELATED DEVICES. . . .	409.0	60.8	348.2	909.5	819.3	93	94	97.6	953.1	1 735.1	2 704.8	170.5
3675	ELECTRONIC CAPACITORS.	34.0	6.7	27.3	152.4	135.8	92	91	27.6	169.2	298.6	445.8	13.4
3676	ELECTRONIC RESISTORS	25.1	2.7	22.4	104.2	93.7	87	81	20.5	144.5	263.5	372.2	10.4
3677	ELECTRONIC COILS AND TRANSFORMERS. . .	9.2	2.1	7.1	74.5	73.2	9	75	24.2	147.8	228.7	377.8	9.9
3678	ELECTRONIC CONNECTORS.	40.4	3.9	36.6	234.5	204.5	78	86	18.1	141.2	345.6	483.3	12.2
3679	ELECTRONIC COMPONENTS, NEC	212.3	34.9	177.4	1 043.4	888.0	79	74	100.5	846.4	1 577.2	3 046.6	86.1
369	MISC. ELEC. EQUIPMENT, SUPPLIES.	383.2	75.3	308.0	1 536.1	1 286.3	(NA)	(NA)	120.4	1 121.4	2 497.6	4 315.0	93.5
3691	STORAGE BATTERIES.	122.2	31.6	90.7	292.9	239.4	97	99	22.1	209.3	477.8	968.6	30.8
3692	PRIMARY BATTERIES, DRY AND WET	35.4	5.8	29.6	100.1	90.2	96	97	8.4	64.6	221.6	348.1	7.2
3693	X-RAY APPARATUS AND TUBES.	63.4	13.1	50.3	542.3	412.6	98	92	12.1	120.9	311.3	443.7	8.1
3694	ENGINE ELECTRICAL EQUIPMENT.	146.0	21.6	124.3	488.3	442.1	81	89	57.9	591.3	1 212.6	2 035.0	30.8
3699	ELECTRICAL EQUIP., SUPPLIES, NEC	16.2	3.1	13.1	112.4	102.1	94	77	19.3	130.0	263.9	501.8	16.0
37	TRANSPORTATION EQUIPMENT	4 670.9	695.6	3 975.3	22 240.5	20 745.1	(NA)	(NA)	1 719.0	19 880.0	39 799.4	94 704.9	2 660.2
371	MOTOR VEHICLES AND EQUIPMENT	3 636.1	455.0	3 181.2	9 062.6	7 826.8	(NA)	(NA)	807.5	9 460.5	22 056.2	63 921.4	2 093.2
3711	MOTOR VEHICLES AND CAR BODIES.	1 706.1	229.1	1 477.1	4 010.8	3 325.8	95	99	339.2	4 299.5	11 782.5	42 905.6	917.2
3713	TRUCK AND BUS BODIES	44.2	11.2	33.0	352.1	306.0	94	93	42.6	353.8	659.7	1 564.4	48.3
3714	MOTOR VEHICLE PARTS, ACCESSORIES	1 833.2	189.9	1 643.3	4 124.1	3 699.6	94	87	400.9	4 601.5	9 164.7	18 333.5	1 113.1
3715	TRUCK TRAILERS	36.2	15.8	20.3	355.0	283.0	94	96	24.7	205.6	449.3	1 117.9	14.6
3716	MOTOR HOMES.	16.4	8.9	7.5	220.6	212.5	92	94	-	-	-	-	-
372	AIRCRAFT AND PARTS	508.3	89.8	418.5	9 301.8	9 166.0	(NA)	(NA)	438.7	5 281.7	9 123.6	15 451.4	169.0
3721	AIRCRAFT	202.4	40.2	162.2	6 618.5	6 550.7	83	98	231.8	2 867.1	5 083.0	8 779.3	57.1
3724	AIRCRAFT ENGINES AND ENGINE PARTS. . .	174.9	25.4	149.5	1 440.2	1 360.2	81	95	104.7	1 256.6	1 991.7	3 640.2	73.0
3728	AIRCRAFT EQUIPMENT, NEC.	131.1	24.3	106.8	1 243.1	1 255.2	72	57	102.2	1 158.1	2 048.9	3 031.9	38.9
373	SHIP, BOAT BUILDING, REPAIRING	203.6	82.7	120.9	1 410.6	1 404.9	(NA)	(NA)	185.2	1 703.6	2 398.2	4 329.2	179.1
3731	SHIP BUILDING AND REPAIRING.	161.3	68.0	93.3	1 072.5	1 098.5	97	99	144.6	1 422.3	1 881.3	3 281.0	142.0
3732	BOAT BUILDING AND REPAIRING.	42.3	14.7	27.6	338.0	306.3	98	96	40.6	281.3	516.8	1 048.2	37.2
3743	RAILROAD EQUIPMENT	80.4	16.6	63.8	850.6	822.8	91	94	50.8	529.1	1 113.3	2 446.2	55.3
3751	MOTORCYCLES, BICYCLES, AND PARTS	24.1	6.0	18.1	226.5	182.1	84	97	17.6	139.6	315.2	659.5	16.0
376	GUIDED MISSILES, SPACE VEHICLES.	164.2	27.7	136.5	797.6	850.90							

See footnotes at end of table.

Table 4. Selected Statistics by Major Industry Group and Industry: 1977 and 1972-Con.

Code	Industry group and industry	1977									Value added by manu- facture (million dollars)	Value of ship- ments ¹ (million dollars)
		Companies (number)	All establishments		All employees		Production workers					
			Total (number)	With 20 employees or more (number)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (million)	Wages (million dollars)			
3832	OPTICAL INSTRUMENTS AND LENSES . . .	515	545	199	30.0	421.2	16.9	33.6	188.0	897.4	1 330.4	
384	MEDICAL INSTRUMENTS, SUPPLIES. . .	2 055	2 355	679	113.5	1 318.8	76.8	149.2	711.8	3 261.9	5 217.0	
3841	SURGICAL AND MEDICAL INSTRUMENTS . .	575	651	238	43.2	491.4	29.2	57.5	261.4	1 208.8	1 833.1	
3842	SURGICAL APPLIANCES AND SUPPLIES . .	1 017	1 154	322	53.9	624.1	36.8	70.5	345.6	1 594.5	2 597.3	
3843	DENTAL EQUIPMENT AND SUPPLIES. . . .	507	550	119	16.3	203.3	10.7	21.2	104.8	458.6	786.7	
3851	OPHTHALMIC GOODS	593	634	155	30.0	314.1	21.7	43.1	188.4	656.2	971.8	
3861	PHOTOGRAPHIC EQUIP. AND SUPPLIES . .	702	780	265	111.7	1 899.6	61.7	119.4	886.5	6 732.4	9 946.9	
3873	WATCHES, CLOCKS, AND WATCHCASES. . .	283	302	112	31.5	316.6	24.0	46.3	199.4	684.5	1 594.7	
39	MISC. MANUFACTURING INDUSTRIES. . .	16 550	17 259	3 794	440.7	4 406.4	338.7	626.7	2 745.3	10 291.0	19 150.7	
391	JEWELRY, SILVER AND PLATED WARE. . .	3 053	3 118	564	61.3	637.6	44.3	81.2	372.8	1 448.5	3 249.3	
3911	JEWELRY, PRECIOUS METAL.	2 165	2 206	405	42.1	432.0	29.2	53.3	241.4	979.8	2 107.0	
3914	SILVERWARE AND PLATED WARE	247	258	67	10.8	119.8	8.3	15.7	80.2	255.1	457.0	
3915	JEWELERS' MATS., LAPIDARY WORK . . .	650	654	92	8.3	85.9	6.8	12.2	51.3	213.6	685.2	
3931	MUSICAL INSTRUMENTS.	400	450	127	25.2	252.7	20.6	38.2	178.2	488.2	924.9	
394	TOYS AND SPORTING GOODS.	2 713	2 910	835	119.4	1 111.8	93.3	172.4	697.0	2 999.8	5 485.0	
3942	DOLLS.	223	231	88	9.1	65.3	8.0	13.3	43.5	181.6	340.2	
3944	GAMES, TOYS, CHILDREN'S VEHICLES . .	754	801	251	53.1	520.6	39.2	73.2	295.0	1 544.6	2 719.7	
3949	SPORTING AND ATHLETIC GOODS, NEC . .	1 757	1 878	496	57.2	525.8	46.1	85.9	358.6	1 273.6	2 425.1	
395	PENS, OFFICE AND ART GOODS	913	987	261	31.8	331.1	23.3	45.8	203.2	867.6	1 538.4	
3951	PENS AND MECHANICAL PENCILS	133	141	78	13.2	135.6	10.4	20.6	92.9	419.8	669.8	
3952	LEAD PENCILS AND ART GOODS	127	134	46	6.6	63.1	4.7	9.2	37.6	145.5	275.9	
3953	MARKING DEVICES.	583	612	86	7.4	78.7	4.7	9.1	39.6	160.0	248.7	
3955	CARBON PAPER AND INKED RIBBONS . . .	78	100	51	4.6	53.7	3.4	6.9	33.1	142.4	344.0	
396	COSTUME JEWELRY AND NOTIONS. . . .	1 458	1 514	467	51.0	450.5	41.6	75.4	293.0	1 002.0	1 766.2	
3961	COSTUME JEWELRY.	837	847	236	25.0	215.9	20.8	36.1	136.1	485.1	816.6	
3962	ARTIFICIAL FLOWERS	222	233	67	5.0	38.2	4.2	7.1	25.2	91.5	180.2	
3963	BUTTONS.	150	159	47	3.2	30.8	2.6	4.7	20.0	50.0	95.2	
3964	NEEDLES, PINS, AND FASTENERS	249	275	117	17.7	165.6	14.0	27.5	111.8	375.4	674.2	
399	MISCELLANEOUS MANUFACTURES	8 073	8 280	1 540	152.0	1 622.6	115.7	213.7	1 001.0	3 484.8	6 186.9	
3991	BROOMS AND BRUSHES	391	409	153	16.5	163.8	12.7	24.0	101.1	353.6	673.1	
3993	SIGNS AND ADVERTISING DISPLAYS . . .	3 373	3 468	627	49.7	566.6	36.8	69.2	343.1	1 060.9	1 738.7	
3995	BURIAL CASKETS	376	406	133	12.0	129.7	9.3	17.8	79.7	264.2	505.9	
3996	HARD SURFACE FLOOR COVERINGS	20	21	13	6.4	93.5	5.0	10.4	68.6	321.3	607.2	
3999	MANUFACTURING INDUSTRIES, NEC. . . .	3 921	3 976	614	67.3	669.1	52.0	92.3	408.5	1 484.7	2 662.0	
60	ADMINISTRATIVE AND AUXILIARY ¹⁰ . .	-	9 171	4 856	1 074.2	21 981.2	-	-	-	-	-	

See footnotes at end of table.

Table 4. Selected Statistics by Major Industry Group and Industry: 1977 and 1972—Con.

Code	Industry group and industry	1977--Continued							1972				
		New capital expenditures ⁴			Inventories		Ratios		All employees		Value added by manufacture		
		Total (million dollars)	Structures and additions to plant (million dollars)	Machinery and equipment (million dollars)	End of year (million dollars)	Beginning of year (million dollars)	Specialization (per-cent)	Coverage (per-cent)	Number (1,000)	Payroll (million dollars)	Value added by manufacture (million dollars)	Value of shipments ¹ (million dollars)	New capital expenditures (million dollars)
3832	OPTICAL INSTRUMENTS AND LENSES . . .	51.3	18.4	32.9	302.9	271.8	84	82	18.8	193.3	384.3	538.4	12.7
384	MEDICAL INSTRUMENTS, SUPPLIES. . .	172.0	41.6	130.5	1 038.6	941.6	(NA)	(NA)	90.8	757.7	1 821.3	2 824.5	104.4
3841	SURGICAL AND MEDICAL INSTRUMENTS . . .	87.2	21.7	65.5	360.7	322.5	88	80	34.5	282.4	630.0	961.8	42.0
3842	SURGICAL APPLIANCES AND SUPPLIES . . .	68.6	16.2	52.5	503.7	454.7	87	85	43.9	365.3	929.0	1 453.5	47.5
3843	DENTAL EQUIPMENT AND SUPPLIES. . .	16.2	3.7	12.5	174.1	164.3	92	98	12.4	110.0	262.3	409.2	14.9
3851	OPHTHALMIC GOODS . . .	44.1	13.2	30.9	244.9	224.6	92	98	26.6	183.4	416.3	568.3	17.4
3861	PHOTOGRAPHIC EQUIP. AND SUPPLIES . . .	322.7	69.2	253.5	1 503.0	1 428.2	95	95	96.0	1 119.7	4 087.9	5 623.9	202.9
3873	WATCHES, CLOCKS, AND WATCHCASES. . .	23.2	5.4	17.9	271.7	271.2	91	95	30.8	230.3	466.0	937.2	18.8
39	MISC. MANUFACTURING INDUSTRIES. . .	473.6	112.1	361.5	3 614.2	3 309.0	(NA)	(NA)	445.6	3 179.8	6 768.7	12 173.2	313.6
391	JEWELRY, SILVER AND PLATED WARE. . .	39.6	10.1	29.4	752.5	670.8	(NA)	(NA)	53.2	424.5	850.8	1 812.5	21.9
3911	JEWELRY, PRECIOUS METAL. . .	25.6	7.9	17.8	489.8	437.4	92	97	32.6	267.2	536.0	1 124.6	10.3
3914	SILVERWARE AND PLATED WARE . . .	8.0	.7	7.3	142.8	136.8	93	98	13.1	106.4	206.8	377.4	9.8
3915	JEWELERS' MATS., LAPIDARY WORK . . .	5.9	1.6	4.4	119.9	96.5	96	89	8.0	55.7	116.4	323.3	5.3
3931	MUSICAL INSTRUMENTS. . .	13.8	2.7	11.2	243.2	245.4	(NA)	(NA)	24.5	173.4	339.3	617.5	10.6
394	TOYS AND SPORTING GOODS. . .	147.6	33.2	114.4	1 079.2	976.0	(NA)	(NA)	132.7	880.9	1 999.3	3 662.6	121.2
3942	DOLLS. . .	6.4	1.4	5.0	62.5	46.6	94	59	10.2	54.0	98.3	199.1	1.7
3944	GAMES, TOYS, CHILDREN'S VEHICLES . . .	78.5	19.5	58.9	437.7	383.3	86	93	61.5	421.0	980.6	1 734.3	72.7
3949	SPORTING AND ATHLETIC GOODS, NEC . . .	62.7	12.3	50.4	579.1	546.1	95	94	61.0	405.9	920.4	1 729.2	46.7
395	PENS, OFFICE AND ART GOODS . . .	55.3	12.6	42.7	276.1	248.4	(NA)	(NA)	31.7	244.3	556.8	926.7	19.8
3951	PENS AND MECHANICAL PENCILS . . .	32.8	9.1	23.7	123.1	108.6	85	94	10.9	81.9	213.7	310.5	7.6
3952	LEAD PENCILS AND ART GOODS . . .	10.8	1.8	9.0	70.9	64.2	85	79	7.1	50.0	108.2	198.8	3.9
3953	MARKING DEVICES. . .	5.5	.8	4.7	34.3	30.8	85	88	8.1	63.2	121.5	180.0	2.6
3955	CARBON PAPER AND INKED RIBBONS . . .	6.2	.9	5.3	47.8	44.7	96	64	5.7	49.1	113.4	237.5	5.7
396	COSTUME JEWELRY AND NOTIONS. . .	44.0	12.0	32.0	274.6	261.1	(NA)	(NA)	50.4	323.1	719.6	1 248.7	33.5
3961	COSTUME JEWELRY. . .	17.6	7.8	9.8	119.6	110.6	92	89	21.4	132.1	275.7	471.6	6.7
3962	ARTIFICIAL FLOWERS . . .	3.0	1.0	2.0	29.5	27.2	98	91	4.8	26.7	57.5	108.7	3.3
3963	BUTTONS. . .	1.4	.3	1.2	13.9	17.6	98	82	4.0	26.7	51.8	93.7	2.3
3964	NEEDLES, PINS, AND FASTENERS . . .	22.0	3.0	19.0	111.6	105.8	92	95	20.2	137.7	334.5	574.7	21.2
399	MISCELLANEOUS MANUFACTURES . . .	173.3	41.4	131.8	988.6	907.3	(NA)	(NA)	153.0	1 133.6	2 302.8	3 905.2	106.6
3991	BROOMS AND BRUSHES . . .	15.7	2.4	13.3	129.9	119.9	91	89	17.5	118.5	235.5	438.3	13.0
3993	SIGNS AND ADVERTISING DISPLAYS . . .	43.0	13.5	29.5	210.8	190.0	98	97	49.8	415.9	747.7	1 198.1	30.6
3995	BURIAL CASKETS . . .	16.3	2.2	14.2	81.8	78.2	99	98	14.8	109.3	210.3	391.9	8.8
3996	HARD SURFACE FLOOR COVERINGS . . .	16.9	1.9	15.1	84.9	76.2	92	98	5.8	59.4	212.0	342.3	14.0
3999	MANUFACTURING INDUSTRIES, NEC. . .	81.3	21.5	59.8	481.1	442.9	91	90	65.1	430.5	897.2	1 534.7	40.2
--	ADMINISTRATIVE AND AUXILIARY ¹⁰ . . .	-	-	-	-	-	-	-	994.3	13 772.3	-	-	-

Note: 1977 and 1972 payroll and sales data for small establishments (generally single-unit companies with less than 10 employees) were obtained from administrative records of other government agencies instead of from a census report form. These data were then used in conjunction with industry averages to estimate the balance of the items shown in the table for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time the data were tabulated.

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (X) Not applicable.

¹The total value of shipments for industry groups (2- and 3-digit) and a few individual industries (4-digit) includes extensive duplication arising from shipments between establishments in the same industry classification.

²Establishments in this industry reported value of production instead of value of shipments. Consequently, the formula for computing value added by manufacture was modified to exclude any change in finished product inventories between the beginning and end of the year.

³Value added data include government-owned, contractor-operated plants which were estimated based upon averages reported for commercial establishments in prior years. Cost of materials data exclude government-owned materials furnished to government-owned, contractor-operated plants and include fuel and electricity purchased by or for the establishments. Value of shipments data include a calculated value of shipments for government-owned, contractor-operated plants comprised of adjusted value added plus the cost of fuels and electric energy. New capital expenditures include expenditures for plants under construction but not in operation. Capital expenditures of government-owned, contractor-operated plants are excluded from the totals for the industry.

⁴Includes expenditures for plants in operation and for plants under construction but not yet in operation.

⁵Government-owned, privately-operated establishments did not enter into the calculation of "primary product specialization ratio" or "coverage ratio" as all other dollar receipts for these establishments were included in "miscellaneous receipts."

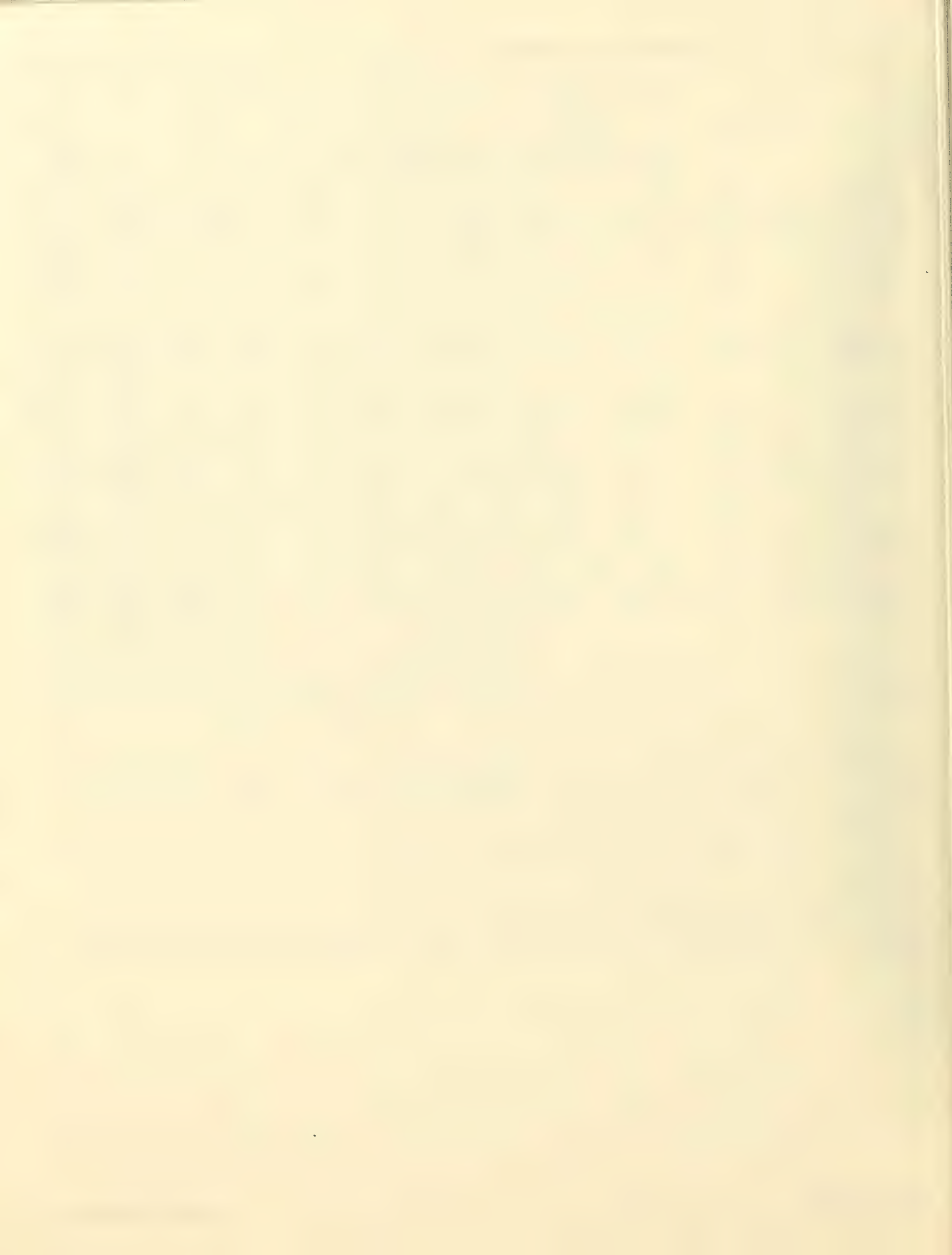
⁶Minimum percentage; exact percentage withheld to avoid disclosing operations of individual companies.

⁷The value of shipments and cost of materials for this industry include substantial duplication; therefore, the specialization ratios and coverage ratios were not calculated.

⁸Relationships are not meaningful because of the predominance of receipts for contract and commission work on materials owned by others. Such receipts are treated as primary products for this industry.

⁹Establishments in this industry were requested to report value of work done instead of value of shipments. Consequently, the formula for computing value added by manufacture was not adjusted for any inventory change between the beginning and end of the year.

¹⁰In 1977 and 1972, in addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns reported separately for administrative offices or auxiliary units which serve the manufacturing establishments of a company (e.g., storage warehouses, power plants, research laboratories, garages, repair shops, etc.) rather than the general public. Separate reports were obtained if these units were at different general locations from the establishments served or if they serviced more than one manufacturing establishment. The figures shown for these units do not represent a separate industry but rather a balancing total for all manufacturing industries.



Alabama

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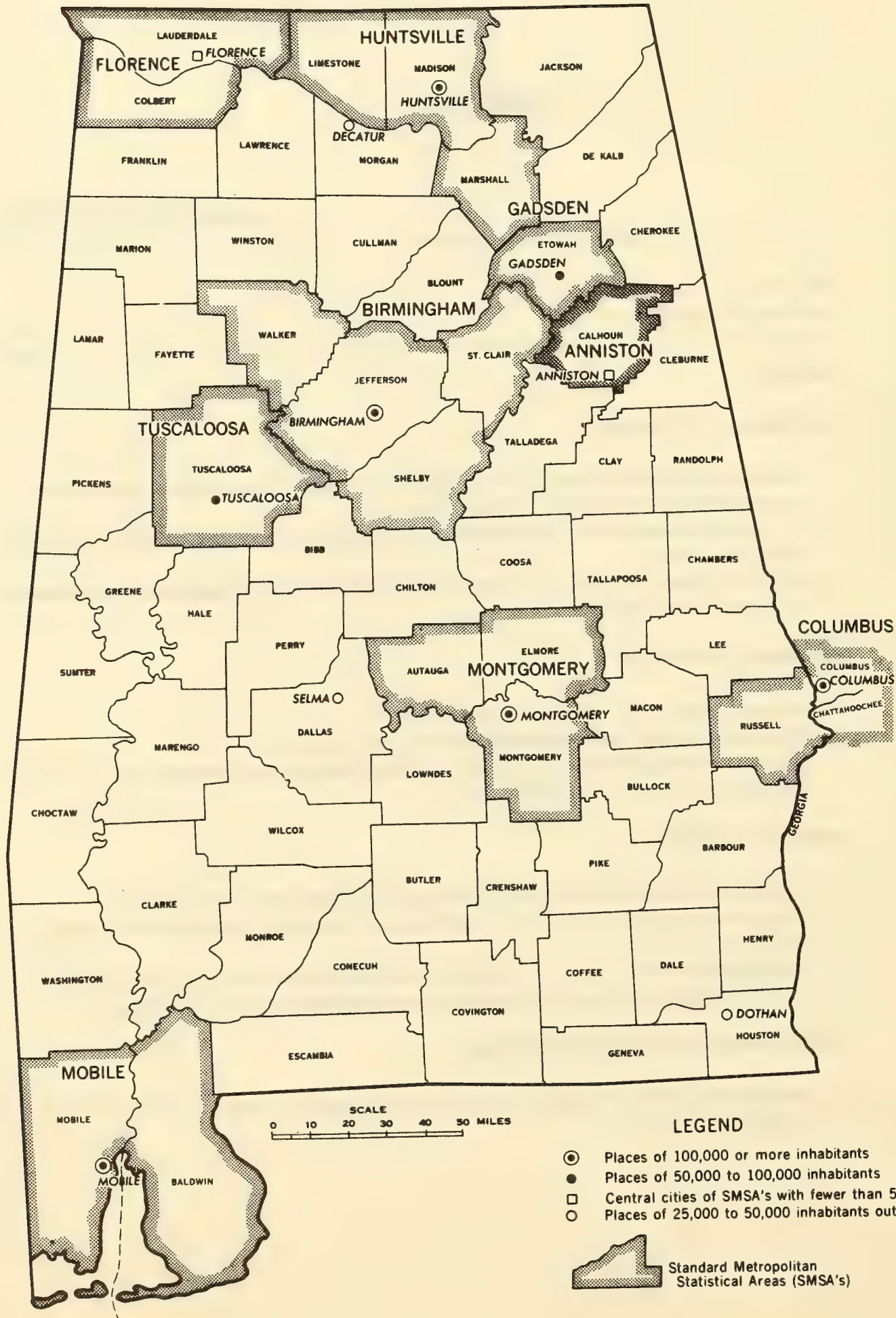
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ALABAMA



SUMMARY OF FINDINGS

In 1977, 341.0 thousand persons were employed in Alabama's manufacturing establishments. This figure represented an increase of 6 percent from the 1972 figure of 322.6 thousand workers.

The total value added by manufacture for the State amounted to \$8,406 million in 1977, an increase of approximately 66 percent from the 1972 figure of \$5,065 million. All dollar figures in this report are in current dollars and are, therefore, not adjusted for changes in price levels.

In the State, the most important industry groups ranked by employment were apparel and other textile products, textile mill products, primary metal industries, and fabricated metal products. They accounted for approximately 47 percent of the State's 1977 employment. These same industry groups were in the forefront for 1972 when they accounted for approximately 50 percent of the State's employment.

The most important counties in the State ranked by employment were Jefferson, Mobile, Madison, and Etowah. They accounted for approximately 33 percent of the State's 1977 manufacturing employment. The order has shifted from 1972 when Jefferson, Mobile, Madison, and Calhoun accounted for approximately 34 percent of the State's employment.

The methods of data collection and use of administrative records data are discussed in detail in the Introduction. Small single-unit companies with up to 20 employees (the cutoff varied by industry) were excluded from the mail portion of the census. For these establishments (and a small number of larger establishments whose reports were not received in time to be tabulated), statistics on payrolls and receipts were obtained from administrative records of other government agencies. Other statistics were developed from industry averages. For this State, these establishments accounted for 3 percent of the total value of shipments.

Table 1. Historical Employment Statistics for Operating Manufacturing Establishments and Central Administrative Offices: 1977 and Earlier Years

(For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

State, standard metropolitan statistical area, and year	All establishments		Operating manufacturing establishments		Central administrative offices and auxiliaries ¹	
	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)
Alabama:						
1977.....	341.0	3,773.2	335.6	3,684.3	5.4	88.9
1972.....	322.6	2,396.8	318.7	2,346.7	3.9	50.1
1967.....	288.8	1,602.8	286.4	1,581.4	2.4	21.4
1963.....	243.8	1,162.4	240.2	1,128.3	3.6	34.1
STANDARD METROPOLITAN STATISTICAL AREAS						
Anniston:						
1977.....	10.8	104.2	10.3	98.9	.5	5.3
1972.....	11.9	82.6	(NA)	(NA)	(NA)	(NA)
Birmingham:						
1977.....	64.5	874.1	63.3	851.2	1.2	22.9
1972.....	68.9	589.6	68.0	576.8	.9	12.8
1967.....	68.0	450.1	66.9	439.6	1.1	10.5
1963.....	59.2	362.2	57.4	344.4	1.9	17.8
Columbus, Ga.-Ala.:						
1977.....	20.6	206.0	20.4	203.4	.2	2.6
1972.....	19.7	134.8	19.5	132.1	.2	2.7
1967.....	18.1	88.3	18.1	88.3	-	-
1963.....	14.3	54.2	14.3	54.2	-	-
Florence:						
1977.....	14.0	199.4	13.9	198.2	.1	1.2
1972.....	11.9	111.8	(D)	(D)	(D)	(D)
Gadsden:						
1977.....	11.8	171.6	11.8	171.4	(Z)	.2
1972.....	11.3	112.2	(D)	(D)	(D)	(D)
1967.....	12.4	88.0	12.4	88.0	-	-
1963.....	9.6	62.8	9.6	62.8	-	-
Huntsville:						
1977.....	31.5	338.1	31.3	335.9	.2	2.2
1972.....	27.8	247.8	27.6	245.4	.2	2.4
Mobile:						
1977.....	28.6	374.0	27.8	357.6	.8	16.4
1972.....	23.5	200.8	22.9	191.8	.6	9.0
1967.....	20.3	130.8	20.2	130.1	.1	.7
1963.....	18.5	101.1	(D)	(D)	(D)	(D)
Montgomery:						
1977.....	14.1	141.1	13.9	139.2	.2	1.9
1972.....	11.5	74.6	11.4	73.7	.1	.9
Tuscaloosa:						
1977.....	10.1	126.7	9.7	118.6	.4	8.1
1972.....	10.9	86.1	(D)	(D)	(D)	(D)
1967.....	9.1	52.0	(D)	(D)	(D)	(D)
1963.....	7.8	39.5	7.8	39.5	-	-

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Defined in appendix B. Data for these establishments are included at the total manufacturing level in each table in this report. Data for these establishments are shown separately in tables 5 and 9 and included in State, SMSA, county, or city totals in other tables.

**Table 2a. Historical Statistics for the State and Selected Standard Metropolitan Statistical Areas:
1977 and Earlier Years**

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Establishments ²		All employees ²		Production workers							Comparative indexes and U.S. employment			
	Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)	Value added by manu- facture (million dollars)	Cost of materials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)	Percent of U.S. manufac- turing employ- ment (per- cent)	Index of State em- ploy- ment change (1977= 100)	United States	
														Index of manufac- turing employ- ment change (1977= 100)	U.S. manu- facturing employ- ment (1,000)
ALABAMA															
1977 CENSUS.	5 863	1 855	341.0	3 773.2	273.0	525.2	2 697.6	8 405.9	12 814.7	21 010.1	1 318.9	1.74	100	100	19 596.9
1976 ASM....	(NA)	(NA)	330.3	3 351.1	265.7	511.7	2 388.2	7 716.1	10 510.7	17 988.1	1 151.9	1.76	97	96	18 753.0
1975 ASM....	(NA)	(NA)	312.7	2 908.3	252.3	473.4	2 072.4	6 709.8	9 270.8	15 886.7	1 054.4	1.71	92	94	18 302.2
1974 ASM....	(NA)	(NA)	337.8	2 892.4	276.6	533.0	2 104.7	6 858.5	9 059.3	15 698.2	910.9	1.70	99	102	19 844.8
1973 ASM....	(NA)	(NA)	334.8	2 614.0	272.3	536.1	1 905.3	5 841.2	7 210.2	13 020.4	480.8	1.68	98	102	19 897.9
1972 CENSUS.	4 984	1 630	322.6	2 396.8	262.2	519.3	1 730.8	5 064.8	6 254.4	11 239.5	355.1	1.70	95	98	19 028.7
1971 ASM....	(NA)	(NA)	299.0	2 040.1	243.1	479.8	1 485.6	4 530.9	5 041.2	9 560.9	355.5	1.63	88	94	18 363.1
1970 ASM....	(NA)	(NA)	304.7	1 961.0	248.5	487.9	1 419.2	4 339.6	4 657.9	8 947.4	417.2	1.59	89	99	19 217.2
1969 ASM....	(NA)	(NA)	309.8	1 939.5	252.5	504.8	1 419.7	4 315.1	4 703.2	8 963.2	382.8	1.55	91	103	20 035.5
1968 ASM....	82 294	(NA)	297.9	1 778.5	242.0	481.1	1 286.8	3 981.7	4 277.3	8 299.4	347.1	1.53	87	100	19 527.6
1967 CENSUS.	4 951	1 446	288.8	1 602.8	235.3	466.6	1 166.6	3 525.5	3 956.4	7 442.9	378.9	1.49	85	99	19 323.2
1966 ASM....	(NA)	(NA)	294.4	1 564.6	238.8	478.4	1 126.0	3 451.1	3 821.7	7 197.2	423.7	1.55	86	98	19 024.5
1965 ASM....	(NA)	(NA)	272.9	1 419.2	222.6	448.2	1 024.2	2 954.2	3 463.4	6 393.6	371.9	1.52	80	92	18 010.2
1964 ASM....	(NA)	(NA)	252.6	1 265.9	206.3	414.4	913.3	2 617.0	3 068.6	5 614.1	282.2	1.46	74	89	17 268.5
1963 CENSUS.	4 079	1 257	243.8	1 162.4	197.6	391.0	842.3	2 325.2	(NA)	(NA)	147.4	1.44	72	87	16 958.4
BIRMINGHAM SMSA															
1977 CENSUS.	1 084	421	64.5	874.1	48.2	92.4	590.9	1 595.7	2 627.1	4 196.7	295.9	.33	100	100	19 596.9
1976 ASM....	(NA)	(NA)	63.2	820.9	48.3	93.2	562.9	1 788.7	2 153.6	3 882.6	254.3	.34	98	96	18 753.0
1975 ASM....	(NA)	(NA)	65.3	767.2	50.2	96.0	529.1	1 703.1	2 296.0	3 979.7	160.4	.36	101	94	18 302.2
1974 ASM....	(NA)	(NA)	69.4	733.9	54.0	106.2	516.0	1 688.4	2 240.4	3 861.7	252.4	.35	108	102	19 844.8
1973 ASM....	(NA)	(NA)	69.6	651.1	53.9	107.4	462.3	1 341.2	1 706.0	3 039.6	84.8	.35	108	102	19 897.9
1972 CENSUS.	947	380	68.9	589.6	53.4	105.2	417.7	1 123.8	1 457.7	2 567.9	83.2	.36	107	98	19 028.7
1971 ASM....	(NA)	(NA)	65.9	536.4	50.2	99.0	375.7	1 001.0	1 181.4	2 231.2	66.7	.36	102	94	18 363.1
1970 ASM....	(NA)	(NA)	69.0	521.3	53.2	105.0	364.6	1 007.9	1 185.9	2 196.0	57.7	.36	107	99	19 217.2
1969 ASM....	(NA)	(NA)	74.8	542.1	57.8	117.9	386.9	1 042.6	1 142.6	2 170.3	67.1	.37	116	103	20 035.5
1968 ASM....	(NA)	(NA)	70.5	496.4	54.5	109.3	347.1	961.1	1 048.2	2 007.9	66.8	.36	109	100	19 527.6
1967 CENSUS.	876	351	68.0	450.1	52.5	104.6	313.8	906.5	1 040.2	1 937.2	75.6	.35	105	99	19 323.2
1966 ASM....	(NA)	(NA)	63.6	452.2	48.9	97.7	294.6	869.6	921.3	1 774.3	58.5	.33	99	98	19 024.5
1965 ASM....	(NA)	(NA)	61.8	401.1	47.7	96.8	281.4	782.2	847.9	1 645.2	49.3	.34	96	92	18 010.2
1964 ASM....	(NA)	(NA)	60.1	380.9	45.4	92.9	260.0	772.9	779.2	1 493.4	51.3	.35	93	89	17 268.5
1963 CENSUS.	674	282	59.2	362.2	43.0	85.4	240.1	661.1	(NA)	(NA)	35.9	.35	92	87	16 958.4

(NA) Not available.

¹In annual survey of manufactures (ASM) years, data are estimates based on a representative sample of establishments canvassed annually and may differ from results of a complete canvass of all establishments. ASM publication shows percentage standard errors. Unless otherwise noted, for data prior to 1963, see 1963 Census of Manufactures, vol. III, table 1 of State chapter.

²Including central administrative offices and auxiliaries (for definition, see appendix B).

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 2b. Selected Operating Ratios for the State and Selected Standard Metropolitan Statistical Areas: 1977 and Earlier Years

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials as percent of value of shipments (percent)	Cost of materials and payroll as percent of value of shipments (percent)	Value added per employee (dollars)	Payroll as percent of value added (percent)	Value added per production worker hour (dollars)
ALABAMA									
1977 CENSUS.....	11 067	80	1 923	5.14	61	79	24 654	45	16.01
1976 ASM.....	10 146	80	1 926	4.67	58	77	23 361	43	15.08
1975 ASM.....	9 301	81	1 876	4.38	58	77	21 458	43	14.17
1974 ASM.....	8 562	82	1 927	3.95	58	76	20 303	42	12.87
1973 ASM.....	7 808	81	1 969	3.55	55	75	17 447	45	10.90
1972 CENSUS.....	7 430	81	1 981	3.33	56	77	15 700	47	9.75
1971 ASM.....	6 823	81	1 974	3.10	53	74	15 154	45	9.44
1970 ASM.....	6 436	82	1 963	2.91	52	74	14 242	45	8.89
1969 ASM.....	6 260	82	1 999	2.81	52	74	13 929	45	8.55
1968 ASM.....	5 970	81	1 988	2.67	52	73	13 366	45	8.28
1967 CENSUS.....	5 550	81	1 983	2.50	53	75	12 207	45	7.56
1966 ASM.....	5 315	81	2 003	2.35	53	75	11 722	45	7.21
1965 ASM.....	5 200	82	2 013	2.29	54	76	10 825	48	6.59
1964 ASM.....	5 011	82	2 009	2.20	55	77	10 360	48	6.32
1963 CENSUS.....	4 768	81	1 979	2.15	(NA)	(NA)	9 537	50	5.95
BIRMINGHAM SMSA									
1977 CENSUS.....	13 547	75	1 915	6.40	63	83	24 731	55	17.27
1976 ASM.....	12 989	76	1 930	6.04	55	77	28 302	46	19.19
1975 ASM.....	11 749	77	1 912	5.51	58	77	26 081	45	17.74
1974 ASM.....	10 575	78	1 967	4.86	58	77	24 329	43	15.90
1973 ASM.....	9 355	77	1 993	4.30	56	78	19 270	49	12.49
1972 CENSUS.....	8 557	78	1 970	3.97	57	80	16 311	52	10.68
1971 ASM.....	8 140	76	1 972	3.79	53	77	15 190	54	10.11
1970 ASM.....	7 555	77	1 974	3.47	54	78	14 607	52	9.60
1969 ASM.....	7 247	77	2 040	3.28	53	78	13 939	52	8.84
1968 ASM.....	7 041	77	2 006	3.18	52	77	13 633	52	8.79
1967 CENSUS.....	6 619	77	1 992	3.00	54	77	13 331	50	8.67
1966 ASM.....	7 110	77	1 998	3.02	52	77	13 673	52	8.90
1965 ASM.....	6 490	77	2 029	2.91	52	76	12 657	51	8.08
1964 ASM.....	6 338	76	2 046	2.80	52	78	12 860	49	8.32
1963 CENSUS.....	6 118	73	1 986	2.81	(NA)	(NA)	11 167	55	7.74

Note: For qualifications to data, see footnotes on table 2a.
(NA) Not available.

Table 3a. Summary Statistics for the State: 1977 and 1972

[For explanation of terms, see appendix B]

Item	Unit of measure	1977	1972
All establishments ¹ -----	number -----	5 863	4 984
With 1 to 19 employees -----	do -----	4 008	3 354
With 20 to 99 employees -----	do -----	1 080	912
With 100 employees or more -----	do -----	775	718
All employees, average for year ¹ -----	1,000 -----	341.0	322.6
Payroll for year, all employees ¹ -----	mil. dollars --	3 773.2	2 396.8
Production workers:			
Average for year -----	1,000 -----	273.0	262.2
March -----	do -----	265.6	256.4
May -----	do -----	273.4	259.3
August -----	do -----	278.3	266.4
November -----	do -----	274.3	266.8
Hours -----	millions -----	525.2	519.3
January to March -----	do -----	125.5	125.8
April to June -----	do -----	134.1	130.7
July to September -----	do -----	133.5	131.2
October to December -----	do -----	132.1	131.6
Wages -----	mil. dollars --	2 697.6	1 730.8
Cost of materials, etc. ² -----	do -----	12 814.7	6 254.4
Materials, parts, containers, etc., consumed -----	do -----	11 226.3	5 591.6
Resales -----	do -----	381.2	240.3
Fuels consumed -----	do -----	451.4	151.7
Purchased electric energy -----	do -----	473.8	147.6
Contract work -----	do -----	281.9	123.3
Value of shipments, including resales ² -----	do -----	21 010.1	11 239.5
Value of resales -----	do -----	544.1	272.7
Value added by manufacture -----	do -----	8 405.9	5 064.8
Manufacturers' inventories:			
Beginning of year -----	do -----	2 731.6	1 395.0
Finished products -----	do -----	883.9	513.0
Work in process -----	do -----	691.8	345.8
Materials, supplies, fuel, etc. -----	do -----	1 156.0	536.2
End of year -----	do -----	3 003.6	1 466.9
Finished products -----	do -----	1 025.6	556.2
Work in process -----	do -----	761.2	365.2
Materials, supplies, fuel, etc. -----	do -----	1 216.8	545.5
Capital expenditures for plant and equipment -----	do -----	1 369.7	380.8
New capital expenditures -----	do -----	1 318.9	355.1
New buildings and other structures -----	do -----	172.3	58.1
New machinery and equipment -----	do -----	1 146.6	297.0
Used capital expenditures -----	do -----	50.7	25.5

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies.

¹Including central administrative offices and auxiliaries (for definition, see appendix B).

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 3b. Supplemental State Statistics Based on Sample Estimates: 1977

(For explanation of terms, see appendix B. For description of annual survey of manufactures (ASM), see appendix F)

Item	Amount (million dollars)	Standard error of estimate (percent)	Item	Amount (million dollars)	Standard error of estimate (percent)
Gross value of depreciable assets:			Rental payments:		
Total:			Total.....	87.4	7
Beginning of year.....	9,034.9	1	Buildings and other structures.....	28.6	10
New capital expenditures.....	1,318.8	1	Machinery and equipment.....	58.6	6
Used capital expenditures.....	53.1	8			
Retirements.....	226.9	3	Depreciation charges during 1977:		
End of year.....	10,179.9	1	Total.....	594.5	1
Buildings and other structures:			Buildings and other structures.....	89.2	2
Beginning of year.....	1,705.0	1	Machinery and equipment.....	505.3	1
New capital expenditures.....	170.0	6			
Used capital expenditures.....	15.1	13	Supplemental labor costs:		
Retirements.....	31.9	7	Total.....	695.8	1
End of year.....	1,858.3	1	Legal costs.....	278.7	1
Machinery and equipment:			Voluntary costs.....	417.2	1
Beginning of year.....	7,330.0	1			
New capital expenditures.....	1,148.7	2	Purchased services:		
Automobiles, trucks, etc., for highway use...	24.4	(NA)	Cost of purchased services for the repair of--		
Computers and peripheral data processing equip.	9.1	(NA)	Buildings and other structures.....	35.8	5
All other.....	940.7	(NA)	Response coverage ratio (percent).....	57	(X)
New machinery and equipment, n.s.k.....	174.5	(NA)	Machinery.....	21.9	11
Used capital expenditures.....	38.0	8	Response coverage ratio (percent).....	58	(X)
Retirements.....	195.0	3	Cost of purchased communication services.....	41.5	13
End of year.....	8,321.7	1	Response coverage ratio (percent).....	62	(X)

Note: Expenditures data, shown in tables 2a, 3a, and 4-8, are census universe figures and may differ from ASM sample estimates shown in this table. Table 3b figures represent best estimate of year-to-year change as measured by continuing ASM sample, but are subject to sampling errors. Hence, as estimates of level, they are not as reliable as universe figures.

Figures in parentheses have standard errors of 15 percent or more. (NA) Not available. n.s.k. Not specified by kind.

(X) Not applicable.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972

[Includes cities with 450 manufacturing employees or more. For definitions of SCSSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix C.]														1972	
Geographic area	E1	1977										All employ-ees ² (1,000)	Value added by manu- facture (million dollars)		
		All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)			New capital expendi- tures (million dollars)	
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)							
Alabama -----	-	5 863	1 855	344.0	3 773.2	273.0	525.2	2 697.6	8 405.9	12 814.7	21 010.1	1 318.9	322.6	5 064.8	
STANDARD METROPOLITAN STATISTICAL AREAS															
Anniston -----	-	155	63	10.8	104.2	8.4	15.5	73.4	250.3	220.8	474.5	29.2	11.9	141.8	
Birmingham -----	-	1 084	421	64.5	874.1	48.2	92.4	590.9	1 595.7	2 627.1	4 196.7	295.9	68.9	1 123.8	
Columbus, Ga.-Ala. -----	E2	222	91	20.6	206.0	16.2	32.9	140.2	530.6	649.1	1 170.5	34.5	19.7	339.5	
Portion in Georgia -----	-	167	72	17.8	176.3	13.7	27.8	117.1	421.8	497.1	912.4	27.4	17.7	294.3	
Portion in Alabama -----	E4	55	19	2.9	29.6	2.5	5.1	23.1	108.8	152.0	258.1	7.1	2.0	44.9	
Florence -----	-	175	65	14.0	199.4	11.4	22.8	152.8	409.6	1 001.1	1 345.4	39.7	11.9	209.2	
Gadsden -----	-	100	41	11.8	171.6	9.4	18.2	129.9	389.4	456.9	836.6	37.7	11.3	268.1	
Huntsville -----	-	392	142	31.5	338.1	25.0	48.2	234.5	738.2	1 016.9	1 737.5	92.0	27.8	468.2	
Mobile -----	-	561	153	28.6	374.0	21.7	42.6	254.3	903.5	1 402.9	2 290.0	232.3	23.5	480.6	
Montgomery -----	-	314	98	14.1	141.1	10.7	21.2	93.4	346.2	456.1	793.2	34.1	11.5	167.3	
Tuscaloosa -----	-	135	50	10.1	126.7	8.0	14.9	90.8	310.5	459.8	764.4	35.9	10.9	179.6	
COUNTIES															
Autauga -----	-	35	9	2.3	25.3	1.8	3.5	16.6	53.2	75.3	127.7	(D)	1.9	33.8	
Baldwin -----	-	150	29	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.3	47.0	
Barbour -----	E2	78	20	2.2	20.7	1.7	3.4	13.9	39.4	54.9	93.3	1.9	2.1	28.0	
Bibb -----	E2	47	13	1.5	9.8	1.4	2.4	8.0	21.3	25.6	46.4	1.8	1.5	12.6	
Blount -----	-	37	7	1.4	10.3	1.3	2.1	8.6	30.0	60.3	87.3	2.3	1.1	16.8	
Bullock -----	-	47	5	1.0	6.9	0.9	1.6	5.5	15.7	27.2	41.8	0.4	1.1	11.7	
Butler -----	E1	106	18	2.7	21.7	2.3	4.5	17.3	45.9	63.3	107.7	3.3	2.3	26.5	
Calhoun -----	-	155	63	10.8	104.2	8.4	15.5	73.4	250.3	220.8	474.5	29.2	11.9	141.8	
Chambers -----	-	67	21	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Cherokee -----	-	20	6	1.0	8.7	0.9	1.7	6.7	16.5	19.1	35.2	0.3	1.0	7.3	
Chilton -----	E1	62	10	1.6	11.8	1.3	2.4	8.5	23.7	28.1	52.0	1.5	1.1	7.3	
Choctaw -----	-	57	12	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Clarke -----	-	93	16	3.1	30.0	2.8	5.5	24.4	67.4	87.5	154.2	9.7	3.2	42.9	
Clay -----	-	35	8	1.7	10.7	1.5	2.6	8.5	20.6	22.0	42.5	0.8	1.2	13.8	
Cleburne -----	-	27	5	1.0	7.6	1.0	1.8	7.0	22.6	34.3	56.6	1.3	1.2	17.5	
Coffee -----	-	61	19	3.7	31.7	3.0	5.9	22.9	62.6	157.3	221.1	3.4	3.4	39.2	
Colbert -----	-	94	36	9.8	166.3	8.0	16.3	128.7	335.9	920.1	1 191.2	30.8	8.7	175.9	
Conecuh -----	E1	60	6	0.9	7.5	0.8	1.3	5.3	14.8	12.2	27.0	0.7	1.3	11.0	
Coosa -----	E1	45	9	0.8	6.8	0.7	1.3	5.1	14.9	25.1	39.7	0.5	0.7	7.6	
Covington -----	-	75	17	5.1	35.1	4.4	7.6	26.0	61.6	68.6	128.0	5.2	5.4	39.9	
Crenshaw -----	E1	46	8	1.0	6.2	0.8	1.5	4.8	11.1	10.6	21.8	0.8	1.1	8.2	
Cullman -----	-	88	28	5.4	45.6	4.7	8.7	35.5	108.8	152.7	253.6	12.0	4.5	51.1	
Dale -----	E1	44	9	1.1	8.3	0.9	1.9	6.1	15.6	24.4	39.5	1.1	1.0	7.7	
Dallas -----	-	89	28	5.1	42.1	4.3	7.3	28.8	94.8	135.8	225.4	9.9	4.5	62.1	
De Kalb -----	-	103	45	5.2	41.0	4.5	7.9	29.5	84.5	118.2	197.7	7.6	3.4	40.9	
Elmore -----	-	53	9	1.3	10.7	1.0	1.9	7.8	28.4	20.9	47.9	(D)	0.8	7.5	
Escambia -----	-	80	18	3.3	31.5	2.9	5.8	25.2	112.9	128.4	240.4	11.4	3.3	68.1	
Etowah -----	-	100	41	11.8	171.6	9.4	18.2	129.9	389.4	456.9	836.6	37.7	11.3	268.1	
Fayette -----	-	59	17	2.4	21.1	2.1	4.0	16.2	47.2	73.0	120.3	2.1	2.5	21.6	
Franklin -----	E1	61	18	2.4	21.5	2.1	3.9	16.8	37.8	76.8	114.2	3.4	2.0	20.9	
Geneva -----	-	41	11	1.7	10.2	1.5	2.7	8.7	25.2	27.5	52.4	1.0	1.7	23.5	
Greene -----	-	19	3	0.4	2.6	0.3	0.5	2.0	5.0	8.2	12.7	1.2	0.3	1.4	
Hale -----	E1	27	7	0.6	4.6	0.3	0.6	1.9	8.2	18.1	26.2	0.6	1.0	7.0	
Henry -----	-	41	12	2.2	14.0	2.1	3.4	11.7	53.1	95.1	150.4	1.3	(D)	(D)	
Houston -----	-	107	42	7.5	63.0	5.9	11.8	43.6	162.5	218.1	376.2	11.1	6.4	78.9	
Jackson -----	-	65	31	5.8	67.0	4.8	9.7	50.2	157.1	295.9	454.6	12.2	4.7	79.1	
Jefferson -----	-	830	332	54.6	774.9	40.0	76.6	518.4	1 373.3	2 292.6	3 641.0	249.5	59.0	984.7	
Lamar -----	-	36	16	2.3	19.9	2.0	4.0	15.8	31.3	43.0	69.6	4.8	1.5	11.0	
Lauderdale -----	E1	81	29	4.2	33.0	3.4	6.5	24.1	73.7	81.0	154.2	8.9	3.2	33.3	
Lawrence -----	-	18	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.5	22.4	
Lee -----	-	83	30	7.9	87.2	6.3	13.2	63.4	181.0	181.8	349.1	11.5	7.0	102.7	
Limestone -----	-	38	17	3.7	35.6	3.3	6.4	29.1	67.6	89.8	152.4	(D)	2.5	41.3	
Lowndes -----	E1	25	2	0.5	4.1	0.5	0.9	3.6	6.2	8.2	14.3	0.2	0.7	5.3	
Macon -----	E2	18	3	0.2	1.4	0.2	0.3	1.0	2.6	1.8	4.3	0.1	0.3	5.4	
Madison -----	-	243	85	20.5	238.2	15.5	30.2	156.1	541.3	550.0	1 079.0	44.7	19.3	360.7	
Marengo -----	-	57	15	2.4	22.6	1.7	3.3	16.6	56.7	60.2	115.7	78.6	2.0	28.1	
Marion -----	-	51	23	5.2	40.9	4.3	7.9	30.2	121.3	140.3	259.6	4.3	4.5	78.8	
Marshall -----	-	111	40	7.4	64.2	6.3	11.6	49.3	129.3	377.1	506.2	(D)	6.0	66.2	
Mobile -----	-	411	124	24.7	339.8	18.5	36.7	229.8	829.2	1 263.5	2 076.7	226.0	20.1	433.6	
Monroe -----	-	50	13	3.1	26.3	2.8	5.4	20.4	59.4	130.6	187.3	5.7	2.4	24.5	
Montgomery -----	-	226	80	10.6	105.1	7.8	15.7	68.9	264.7	359.9	617.5	21.3	8.8	126.0	
Morgan -----	-	148	55	11.2	148.4	8.1	16.3	95.2	443.0	1 079.8	1 537.7	91.7	10.8	310.1	
Perry -----	E1	25	2	0.3	2.2	0.3	0.5	1.7	3.5	5.9	9.3	0.2	1.2	7.0	
Pickens -----	-	39	13	1.7	15.3	1.5	2.7	12.5	50.9	27.8	78.1	2.3	1.9	32.2	
Pike -----	-	77	18	2.2	16.4	1.9	3.3	11.9	33.7	89.8	123.0	2.1	1.9	17.5	
Randolph -----	-	48	15	2.4	17.9	2.2	3.8	14.9	31.1	34.0	65.5	1.0	2.2	19.2	
Russell -----	-	55	19	2.9	29.6	2.5	5.1	23.1	108.8	152.0	258.1	7.1	2.0	44.9	
St. Clair -----	-	47	15	1.7	18.9	1.5	2.9	13.4	39.2	54.1	93.5	(D)	1.5	30.7	
Shelby -----	E1	112	46	5.0	53.8	4.0	7.8	38.8	125.2	156.0	278.0	15.9	4.1	58.4	
Sumter -----	-	29	8	1.3	10.0	1.1	2.2	8.3	24.2	26.2	49.4	2.1	1.4	21.9	
Talladega -----	-	99	39	9.4	103.9	7.5	15.2	75.8	214.9	272.4	486.5	(D)	9.0	121.7	
Tallapoosa -----	-	103	28	8.4	63.9	7.7	15.3	56.7	99.0	184.8	275.9	18.4	9.2	87.3	
Tuscaloosa -----	-	135	50	10.1	126.7	8.0	14.9	90.8	310.5	459.8	764.4	35.9	10.9	179.6	
Walker -----	-	95	28	3.1	26.5	2.7	5.0	20.3	58.0	124.4	184.2	(D)	4.2	50.0	
Washington -----	-	40	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Wilcox -----	-	62	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	

See footnotes at end of table.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area		1977										1972			
		All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)	
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)							
E ¹															
CITIES															
Abbeville	-	28	7	1.4	9.4	1.3	2.2	8.3	46.8	92.2	141.0	1.2	(D)	(D)	
Alabaster	E2	12	7	0.9	8.5	0.8	1.5	6.5	17.3	18.5	35.2	0.9	0.8	11.3	
Albertville	-	33	10	2.2	17.4	2.0	3.8	14.3	31.3	69.2	97.3	5.9	2.3	23.0	
Alexander City	-	44	20	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	6.9	66.1	
Aliceville	-	12	5	0.6	5.8	0.6	1.1	4.4	25.1	17.1	42.0	0.7	0.7	12.2	
Andalusia	-	40	8	1.9	15.0	1.6	2.8	11.1	30.7	39.4	66.8	3.6	2.4	16.6	
Anniston	-	79	33	5.9	61.4	4.8	9.2	47.4	139.0	117.8	254.4	(D)	8.3	104.0	
Arab	-	23	8	1.0	8.1	0.8	1.5	5.5	20.4	22.1	42.1	1.2	(D)	(D)	
Athens	-	34	16	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.5	41.2	
Atmore	-	27	4	1.3	10.2	1.2	2.4	8.9	32.8	47.1	79.6	(D)	(D)	(D)	
Attalla	-	20	6	0.5	4.5	0.4	0.7	3.2	7.1	10.0	17.1	0.3	(NA)	(NA)	
Bay Minette	-	49	14	1.8	16.5	1.4	2.6	11.3	39.8	89.4	129.4	2.2	1.1	16.2	
Bayou La Batre	E1	28	11	0.9	7.5	0.8	1.5	5.9	16.6	26.9	43.4	0.8	0.7	6.3	
Bessemer	-	49	18	3.4	47.0	2.8	5.3	36.8	72.6	169.3	226.8	10.4	4.3	58.8	
Birmingham	-	469	205	31.7	424.7	22.7	43.9	272.4	892.5	967.1	1 864.8	53.4	35.4	580.7	
Boaz	-	17	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.7	15.3	
Brewton	-	37	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Bridgeport	E1	7	5	0.5	4.9	0.4	0.9	3.4	12.3	18.3	29.3	(D)	(NA)	(NA)	
Brundidge	-	12	7	0.9	6.8	0.7	1.3	4.3	13.1	41.9	54.7	(D)	0.9	8.6	
Chickasaw	-	11	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)	
Canton	E1	37	6	1.0	7.0	0.7	1.2	4.4	14.6	16.8	32.4	0.8	0.8	5.0	
Cordova	-	11	5	0.8	9.1	0.7	1.4	6.9	17.6	23.0	42.5	1.2	0.7	8.9	
Cullman	-	61	21	4.8	41.1	4.2	7.9	32.0	88.2	140.1	220.4	10.7	4.2	47.9	
Dadeville	-	25	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)	
Decatur	-	106	42	9.8	132.7	7.2	14.3	88.8	428.3	1 059.4	1 502.9	89.9	8.7	291.1	
Demopolis	-	22	7	1.2	9.0	0.9	1.7	7.0	19.8	22.3	41.7	(D)	1.1	14.5	
Dothan	-	94	36	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	5.8	75.9	
Elba	-	21	7	1.8	17.2	1.4	2.6	12.1	31.5	65.7	97.2	1.1	1.8	20.3	
Enterprise	-	29	11	1.8	14.1	1.6	3.2	10.5	30.4	91.1	122.8	(D)	1.3	17.9	
Eufaula	E1	57	16	1.8	18.0	1.3	2.6	11.4	32.1	47.9	78.9	1.4	1.7	21.9	
Evergreen	E1	49	6	0.9	7.2	0.7	1.3	5.1	14.0	11.4	25.4	0.6	1.2	10.3	
Fairfield	-	22	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Fayette	-	36	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Floral	E1	8	1	0.6	3.3	0.6	1.0	2.1	4.0	0.6	4.6	(D)	0.6	2.8	
Florence	E1	65	26	3.8	30.5	3.0	5.8	22.1	66.4	76.4	142.2	(D)	2.6	28.6	
Foley	-	23	5	0.6	5.0	0.5	1.0	3.7	11.0	16.6	27.6	1.0	(NA)	(NA)	
Fort Payne	-	64	27	3.5	30.2	3.0	5.4	21.0	63.9	96.4	157.1	6.8	2.6	35.3	
Gadsden	-	58	26	10.5	159.2	8.3	16.2	120.9	366.9	433.7	793.0	36.6	9.5	251.2	
Geneva	-	13	3	0.8	5.5	0.7	1.4	4.7	11.5	11.8	23.3	0.6	1.1	15.1	
Greensboro	E1	18	6	0.5	4.1	0.2	0.5	1.5	7.0	16.6	23.4	0.4	0.9	6.2	
Greenville	E1	50	13	1.8	13.1	1.5	2.8	10.3	27.0	38.8	64.8	1.3	1.4	10.2	
Guntersville	-	32	10	1.2	10.4	1.0	1.8	7.9	30.0	178.9	216.2	2.9	1.3	21.5	
Haleyville	-	53	19	2.5	20.6	1.9	3.6	14.0	40.8	49.5	90.4	1.5	3.5	48.1	
Hamilton	-	18	6	1.8	14.5	1.5	2.8	10.5	35.8	33.0	68.4	3.1	1.4	16.3	
Hartselle	E1	24	10	0.9	7.3	0.7	1.4	5.4	12.4	18.1	30.2	1.6	(D)	(D)	
Headland	E1	10	5	0.8	4.6	0.7	1.2	3.4	6.3	2.8	9.1	(D)	(NA)	(NA)	
Heflin	-	18	5	1.0	7.4	0.9	1.8	6.8	22.2	33.8	55.8	1.2	(D)	(D)	
Homewood	-	35	13	1.5	21.1	0.5	1.0	4.4	28.9	52.9	80.5	2.7	0.5	5.9	
Huntsville	-	189	66	17.2	202.5	13.1	25.9	134.0	436.0	416.3	836.2	42.9	18.1	341.5	
Irondale	-	14	6	0.6	6.9	0.5	0.9	4.4	14.7	21.1	35.4	(U)	0.7	9.7	
Jackson	-	25	6	1.5	15.9	1.3	2.4	12.7	42.1	39.9	81.8	(D)	1.7	27.7	
Jacksonville	-	9	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)	
Jasper	-	57	18	1.8	13.9	1.6	2.8	10.5	34.2	98.1	132.0	(D)	2.1	28.0	
Lafayette	E1	26	3	1.0	7.7	0.9	1.8	6.8	27.9	13.9	41.6	2.9	1.3	27.0	
Lanett	-	10	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Leeds	-	41	15	2.1	26.2	1.6	3.1	16.8	55.0	56.8	113.6	3.3	2.6	49.4	
Linden	-	15	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)	
Madison	E1	19	4	0.5	4.0	0.3	0.6	2.5	7.7	7.5	14.7	0.2	(NA)	(NA)	
Mobile	-	241	75	17.2	238.1	13.1	25.5	162.7	542.0	716.2	1 252.5	76.4	14.0	282.4	
Monroeville	-	18	7	2.4	21.0	2.1	4.1	16.3	50.3	119.8	168.1	4.1	(D)	(D)	
Montevallo	-	13	5	0.5	5.8	0.4	0.8	3.7	16.8	34.5	50.4	(D)	(NA)	(NA)	
Montgomery	-	160	64	7.0	65.3	4.9	9.6	39.6	179.6	227.6	401.9	16.9	6.9	102.1	
Muscle Shoals	-	30	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	13.3	
Northport	E1	16	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)	
Oneonta	-	20	3	0.9	6.5	0.8	1.2	5.6	21.4	39.7	58.1	(D)	0.8	14.8	
Opelika	-	64	27	7.6	85.1	6.1	12.7	61.8	176.9	177.4	340.9	10.8	6.9	100.2	
Opp	-	10	6	2.3	14.7	2.0	3.3	11.4	22.9	24.4	48.4	(D)	2.0	17.5	
Oxford	E1	20	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)	
Ozark	-	29	7	0.9	6.4	0.8	1.6	4.6	11.1	19.6	31.0	1.0	0.8	6.8	
Pell City	-	25	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Phenix City	-	42	14	2.2	19.9	2.0	4.2	16.6	54.4	92.6	144.6	3.9	(D)	(D)	
Piedmont	-	29	11	1.4	10.2	1.3	2.3	8.7	22.0	24.2	45.7	(D)	1.1	11.1	
Prattville	-	29	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Prichard	-	35	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.0	64.7	
Roanoke	E2	30	8	1.8	13.7	1.7	2.9	11.5	25.3	24.4	50.1	0.8	1.5	11.5	
Russellville	-	26	8	1.0	10.0	0.8	1.6	7.4	16.8	41.6	58.2	(D)	0.6	8.8	
Scottsboro	-	28	15	3.7	45.7	2.9	6.1	33.8	113.8	228.0	344.9	(D)	3.6	54.7	
Selma	-	73	27	5.0	41.2	4.2	7.2	28.0	92.9	131.7	219.8	(D)	(D)	(D)	
Sheffield	-	30	14	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.9	12.4	
Sylacauga	-	33	14	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Talladega	-	45	19	4.2	38.6	3.7	7.3	30.9	83.6	83.0	165.8	4.2	3.8	41.7	
Tallassee	-	17	5	2.4	19.4	1.9	4.0	14.9	41.9	33.9	73.6	(D)	(D)	(D)	
Tarrant City	-	23	11	1.6	22.0	1.2	2.5	16.3	57.2	96.8	152.5	6.4	(D)	(D)	

See footnotes at end of table.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B.]														
Geographic area	1977											1972		
	E ¹	All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)						
CITIES—Con.														
Thomasville - - - - -	E1	25	4	0.6	4.2	0.6	1.0	3.6	7.0	4.9	12.0	(D)	(NA)	(NA)
Troy - - - - -	-	55	10	1.2	8.8	1.1	1.8	6.9	18.7	44.7	63.3	1.2	0.9	8.4
Trussville - - - - -	-	22	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.8	9.4
Tuscaloosa - - - - -	-	88	35	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	7.9	134.2
Tuscumbia - - - - -	-	23	7	1.5	13.1	1.3	2.8	9.9	22.4	26.2	48.9	1.3	(D)	(D)
Union Springs - - - - -	-	38	5	1.0	6.8	0.9	1.6	5.5	15.5	26.9	41.3	0.4	(D)	(D)
Wetumpka - - - - -	E1	28	3	0.5	3.5	0.4	0.7	2.7	4.6	7.0	11.6	(D)	0.5	4.6
Winfield - - - - -	-	18	8	1.4	10.9	1.1	1.9	7.4	24.0	37.3	60.6	0.3	2.0	18.7
York - - - - -	-	8	3	0.5	2.6	0.4	0.8	2.1	8.3	6.1	14.1	0.2	0.7	7.5

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Including central administrative offices and auxiliaries (for definition, see appendix B).
³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	All industries -----	-	5 863	1 855	341.0	3 773.2	273.0	525.2	2 697.6	8 405.9	12 814.7	21 010.1	1 318.9	322.6	5 064.8
20	Food and kindred products -----	-	385	182	24.4	237.3	15.7	30.9	123.3	548.5	1 754.4	2 334.3	79.2	24.7	388.8
201	Meat products -----	-	80	37	8.6	66.1	7.5	14.4	52.3	147.5	502.6	648.5	18.5	9.4	94.6
2011	Meat packing plants -----	E1	40	8	1.1	13.0	0.8	1.9	9.3	32.0	102.0	134.0	2.7	2.1	30.9
2013	Sausages and other prepared meats -----	-	17	8	0.6	6.7	0.5	0.9	4.6	14.1	40.2	54.4	(D)	BB	(D)
2016	Poultry dressing plants -----	-	19	18	6.4	43.6	5.8	10.9	36.0	96.6	342.6	437.0	13.9	6.7	59.2
2017	Poultry and egg processing --	E1	4	3	0.4	2.8	0.4	0.7	2.2	4.7	17.8	23.1	(D)	BB	(D)
202	Dairy products -----	-	35	23	2.5	26.4	0.8	1.8	7.7	49.8	169.8	219.0	4.6	3.5	45.5
2024	Ice cream and frozen desserts -----	-	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	7.5
2026	Fluid milk -----	-	27	20	2.1	22.1	0.6	1.4	5.9	40.0	141.7	181.3	2.8	3.0	37.0
203	Preserved fruits and vegetables -----	-	12	7	0.9	7.9	0.7	1.4	4.7	34.3	62.1	96.4	(D)	1.4	21.7
2033	Canned fruits and vegetables -----	-	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2035	Pickles, sauces, and salad dressings -----	-	5	4	0.4	3.7	0.3	0.6	1.9	11.5	31.3	42.8	0.5	0.4	8.5
2038	Frozen specialties -----	-	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
204	Grain mill products -----	-	79	23	1.8	22.4	1.2	2.4	12.3	71.6	332.8	403.6	22.8	1.8	46.1
2047	Dog, cat, and other pet food -----	-	6	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2048	Prepared feeds, n.e.c. -----	-	62	18	1.0	11.2	0.6	1.2	5.4	32.3	247.1	279.5	(D)	EE	(D)
205	Bakery products -----	-	34	20	3.5	40.5	1.9	3.8	16.4	92.9	76.3	168.9	8.2	2.8	55.0
2051	Bread, cake, and related products -----	-	33	19	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
2052	Cookies and crackers -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
206	Sugar and confectionery products -----	-	11	3	0.5	4.5	0.5	1.0	3.4	10.0	55.9	66.3	(D)	0.5	10.9
2065	Confectionery products -----	-	10	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	10.9

See footnotes at end of table.

Table 5. **Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—**
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	E ¹	1977										1972		
			All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
20	Food and kindred products—Con.														
207	Fats and oils	-	21	15	1.0	10.8	0.7	1.6	6.7	4.2	335.0	375.1	3.6	0.8	18.0
2074	Cottonseed oil mills	-	6	5	0.2	1.7	0.2	0.4	1.1	4.6	11.8	16.8	(D)	BB	(D)
2075	Soybean oil mills	-	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2077	Animal and marine fats and oils	-	9	5	0.2	2.7	0.2	0.4	1.8	5.9	11.9	17.6	0.8	0.3	5.2
2079	Shortening and cooking oils	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
208	Beverages	-	43	34	3.5	36.6	1.1	2.2	10.3	91.7	121.3	212.8	10.6	2.9	54.8
2086	Bottled and canned soft drinks	-	40	32	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
2087	Flavoring extracts and sirups, n.e.c.	E1	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
209	Miscellaneous foods and kindred products	-	70	20	2.1	21.9	1.3	2.4	9.6	46.5	98.7	143.7	5.4	1.5	22.2
2092	Fresh or frozen packaged fish	-	29	11	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	1.9
2095	Roasted coffee	-	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2099	Food preparations, n.e.c.	-	22	6	1.1	12.9	0.5	1.0	4.5	23.8	29.4	53.2	(D)	1.0	15.1
21	Tobacco products ----	-	3	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2121	Cigars	-	3	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
22	Textile mill products --	-	180	136	42.3	347.8	38.3	74.5	296.3	885.4	1 058.9	1 730.3	72.0	43.7	457.4
2211	Weaving mills, cotton	-	27	25	15.1	125.1	13.8	26.8	108.9	204.4	294.4	494.4	21.5	16.5	156.0
2221	Weaving mills, manmade fiber and silk	-	9	9	5.9	49.8	5.3	10.3	41.5	89.9	123.9	216.1	13.6	4.8	54.1
2231	Weaving and finishing mills, wool	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2241	Narrow fabric mills	-	7	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
225	Knitting mills	-	55	34	5.9	39.4	5.5	9.4	34.6	67.9	130.6	198.1	5.6	6.6	64.5
2252	Hosiery, n.e.c.	-	28	15	1.4	7.7	1.2	1.9	6.2	13.7	19.0	32.2	1.5	CC	(D)
2253	Knit outerwear mills	-	6	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
2254	Knit underwear mills	-	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2257	Circular knit fabric mills	-	10	9	1.8	13.9	1.8	2.9	13.2	19.6	58.1	77.1	3.0	CC	(D)
2258	Warp knit fabric mills	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
226	Textile finishing, except wool --	-	6	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2261	Finishing plants, cotton	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2262	Finishing plants, synthetics	-	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2269	Finishing plants, n.e.c.	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
227	Floor covering mills	-	8	5	1.0	9.6	0.9	1.9	7.6	37.9	61.2	98.4	1.2	EE	(D)
2272	Tufted carpets and rugs	-	6	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
228	Yarn and thread mills	-	44	39	8.6	73.6	8.0	16.3	65.0	146.7	254.5	399.6	22.4	8.6	85.5
2281	Yarn mills, except wool	-	42	39	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
229	Miscellaneous textile goods ---	-	23	12	3.2	27.9	2.7	5.0	20.6	89.8	143.3	228.1	2.7	2.8	30.2
2294	Processed textile waste	-	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2296	Tire cord and fabric	-	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2297	Nonwoven fabrics	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2298	Cordage and twine	-	8	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
23	Apparel and other textile products -----	-	345	254	53.9	326.6	49.0	86.4	275.7	625.3	592.1	1 200.1	14.2	47.2	370.5
2311	Men's and boys' suits and coats	-	4	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
232	Men's and boys' furnishings ---	-	142	134	28.9	172.0	26.7	46.5	149.8	312.4	263.8	559.6	(D)	21.7	159.8
2321	Men's and boys' shirts and nightwear	-	62	60	15.0	87.7	14.2	25.0	77.4	166.2	166.7	320.6	3.4	11.6	92.7
2322	Men's and boys' underwear	E1	3	3	0.6	3.6	0.6	1.1	3.3	5.9	8.2	13.5	(D)	BB	(D)
2327	Men's and boys' separate trousers	-	27	27	5.4	35.5	4.9	8.7	30.5	56.5	24.2	79.2	1.4	4.1	26.8
2328	Men's and boys' work clothing	-	42	39	7.4	42.6	6.6	11.1	36.6	81.2	80.3	139.2	2.5	4.7	33.8
2329	Men's and boys' clothing, n.e.c.	-	7	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
233	Women's and misses' outerwear	E1	82	60	7.7	44.1	7.0	11.9	35.1	68.9	19.8	88.5	(D)	5.7	29.7
2331	Women's and misses' blouses and waists	-	18	18	2.5	12.7	2.2	3.7	10.4	18.4	3.9	22.4	(D)	EE	(D)
2335	Women's and misses' dresses	E2	33	17	1.9	10.9	1.7	3.0	8.8	16.2	6.0	22.1	0.6	FF	(D)
2337	Women's and misses' suits and coats	-	11	11	1.8	11.6	1.7	2.7	9.2	19.1	2.6	21.4	(D)	(NA)	(NA)
2339	Women's and misses' outerwear, n.e.c.	E3	20	14	1.5	8.9	1.4	2.5	6.7	15.2	7.3	22.5	0.3	EE	(D)
234	Women's and children's undergarments	-	20	19	8.6	56.0	7.8	14.0	46.4	113.2	106.9	217.6	(D)	11.1	105.4
2341	Women's and children's underwear	-	16	15	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
2342	Brassieres and allied garments	-	4	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)

See footnotes at end of table.

Table 5. **Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—**
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B.]															
SIC code	Industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
23	Apparel and other textile products—Con.														
236	Children's outerwear -----	-	21	15	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
2361	Children's dresses and blouses -----	-	5	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2369	Children's outerwear, n.e.c. --	-	15	11	2.2	11.9	1.9	3.3	9.5	23.2	17.7	43.3	(D)	EE	(D)
238	Miscellaneous apparel and accessories -----	-	13	9	1.8	10.7	1.5	3.0	8.4	20.9	16.5	36.8	(D)	1.7	16.7
2381	Fabric dress and work gloves -----	-	3	3	0.9	5.0	0.8	1.5	4.5	11.3	10.6	21.7	(D)	CC	(D)
2384	Robes and dressing gowns --	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2385	Waterproof outer garments --	-	3	3	0.5	3.0	0.4	0.9	2.2	5.0	2.2	7.0	0.4	CC	(D)
239	Miscellaneous fabricated textile products -----	-	62	15	3.0	22.5	2.7	5.1	18.2	71.1	158.1	229.7	(D)	3.1	23.2
2391	Curtains and draperies -----	-	13	2	0.4	3.3	0.3	0.5	2.1	5.5	2.1	7.4	(Z)	CC	(D)
2392	House furnishings, n.e.c. ----	-	19	9	2.2	15.7	2.0	3.9	13.7	56.6	148.1	205.4	0.3	1.9	15.4
2399	Fabricated textile products, n.e.c. -----	E6	14	2	0.2	1.8	0.2	0.3	1.2	3.5	4.2	7.7	0.2	BB	(D)
24	Lumber and wood products -----	E1	1 957	251	23.8	207.5	20.5	39.2	158.0	474.5	753.0	1 219.0	(D)	27.4	342.4
2411	Logging camps and logging contractors -----	E5	1 359	31	3.8	34.6	3.4	5.0	28.4	92.4	108.3	200.3	17.7	4.0	43.1
242	Sawmills and planing mills ----	-	298	112	8.7	70.4	7.8	15.3	56.1	153.7	252.8	402.2	18.3	8.7	101.6
2421	Sawmills and planing mills, general -----	-	280	105	8.3	67.3	7.4	14.6	53.6	147.5	248.1	391.1	18.1	7.6	94.7
2426	Hardwood dimension and flooring -----	E2	11	6	0.4	2.6	0.3	0.6	2.1	5.6	4.2	9.7	0.3	CC	(D)
243	Millwork, plywood, and structural members -----	-	138	48	5.1	47.3	4.3	8.9	34.8	113.8	166.0	277.9	6.6	4.8	64.3
2431	Millwork -----	-	44	17	1.3	10.8	1.0	1.8	6.6	25.4	57.0	81.1	0.6	1.5	20.9
2434	Wood kitchen cabinets -----	E2	51	11	0.7	5.8	0.6	1.1	4.1	12.6	9.1	21.4	0.4	BB	(D)
2435	Hardwood veneer and plywood -----	E2	15	8	0.7	5.2	0.6	1.2	3.9	10.5	8.6	19.2	0.2	0.9	7.4
2436	Softwood veneer and plywood -----	-	10	9	2.2	23.3	1.9	4.4	18.7	59.7	83.8	143.2	5.3	EE	(D)
2439	Structural wood members, n.e.c. -----	E2	18	3	0.3	2.1	0.2	0.4	1.4	5.5	7.5	13.0	0.1	BB	(D)
244	Wood containers -----	E3	57	13	0.9	6.7	0.8	1.4	5.2	12.8	13.7	26.2	(D)	1.1	8.4
2441	Nailed wood boxes and shooks -----	E6	7	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	3.3
2448	Wood pallets and skids -----	E3	38	10	0.6	4.0	0.5	0.8	2.9	8.2	8.3	16.4	0.3	0.4	3.6
2449	Wood containers, n.e.c. -----	E2	12	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.3	1.5
245	Wood buildings and mobile homes -----	-	39	27	3.5	32.6	2.9	5.5	22.0	60.7	144.7	205.2	(D)	7.5	105.6
2451	Mobile homes -----	-	24	19	2.7	24.5	2.2	4.3	17.1	45.5	116.0	161.5	3.6	6.4	86.6
2452	Prefabricated wood buildings -----	-	15	8	0.8	8.1	0.6	1.2	4.9	15.2	28.8	43.7	0.2	1.1	18.9
249	Miscellaneous wood products --	-	66	20	1.7	15.9	1.4	3.0	11.6	41.1	67.6	107.3	3.0	1.3	19.4
2491	Wood preserving -----	-	25	12	0.8	6.9	0.6	1.3	4.5	22.7	40.4	62.1	1.5	CC	(D)
2492	Particleboard -----	-	4	4	0.4	4.5	0.3	0.7	3.2	8.2	15.4	23.2	0.3	(NA)	(NA)
2499	Wood products, n.e.c. -----	E1	37	4	0.5	4.5	0.5	1.0	3.8	10.2	11.8	22.0	1.2	0.6	8.8
25	Furniture and fixtures -----	-	169	62	7.3	57.5	6.2	11.6	43.1	126.2	122.1	247.6	7.5	6.7	77.7
251	Household furniture -----	E1	125	45	5.3	40.6	4.7	8.7	31.8	86.5	86.2	170.9	(D)	5.2	56.9
2511	Wood household furniture ---	-	66	16	2.7	20.1	2.4	4.6	16.6	40.7	40.2	79.7	(D)	2.3	23.8
2512	Upholstered household furniture -----	E2	29	16	1.2	8.9	1.1	1.8	6.6	20.1	19.4	39.4	0.8	1.4	13.0
2514	Metal household furniture ---	-	10	8	1.1	9.0	1.0	1.7	7.0	20.5	16.1	36.1	0.8	1.1	13.9
2515	Mattresses and bedsprings --	-	20	5	0.3	2.6	0.3	0.5	1.6	5.2	10.4	15.7	0.2	0.5	6.2
252	Office furniture -----	-	8	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2521	Wood office furniture -----	-	5	3	0.2	2.0	0.2	0.4	1.5	3.3	3.8	7.2	0.2	(NA)	(NA)
2522	Metal office furniture -----	-	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2531	Public building and related furniture -----	-	11	5	0.5	3.6	0.5	0.8	2.9	13.2	5.2	17.8	(D)	0.2	1.6
254	Partitions and fixtures -----	-	17	7	0.7	6.3	0.5	1.0	3.8	11.9	14.1	25.9	(D)	0.7	8.4
2541	Wood partitions and fixtures ---	E2	10	3	0.2	1.8	0.1	0.2	1.1	3.0	3.7	6.8	(D)	(NA)	(NA)
2542	Metal partitions and fixtures ---	-	7	4	0.6	4.6	0.4	0.8	2.7	8.9	10.5	19.1	(D)	0.5	6.5
26	Paper and allied products -----	-	80	53	18.8	299.2	15.1	31.0	233.2	966.3	1 022.1	1 981.9	238.2	17.4	471.8
2611	Pulp mills -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2621	Paper mills, except building paper -----	-	7	6	8.1	138.0	6.4	13.1	107.0	385.6	340.4	725.9	190.9	7.7	173.5
2631	Paperboard mills -----	-	10	9	4.8	86.3	3.8	8.1	67.9	293.1	327.6	619.6	35.3	FF	(D)
264	Miscellaneous converted paper products -----	-	25	14	3.7	49.0	3.1	5.9	38.9	219.4	249.2	464.4	4.7	3.8	130.3
2643	Bags, except textile bags -----	-	6	5	1.8	21.8	1.5	2.7	17.3	33.6	85.9	119.3	1.0	EE	(D)
2647	Sanitary paper products -----	-	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2648	Stationery products -----	-	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)

See footnotes at end of table.

Table 5. **Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—**
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
26	Paper and allied products—Con.														
265	Paperboard containers and boxes -----	E1	35	21	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.6	17.4
2653	Corrugated and solid fiber boxes -----	E2	18	11	1.0	10.6	0.7	1.4	6.9	28.3	40.9	68.9	4.3	0.8	11.2
2654	Sanitary food containers -----	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2655	Fiber cans, drums, and similar products -----	-	7	3	0.2	1.7	0.2	0.3	1.2	3.5	5.2	8.7	0.1	0.5	2.9
2661	Building paper and board mills -	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
27	Printing and publishing -----	E1	490	76	7.9	68.9	4.7	8.4	50.5	224.2	148.3	370.2	15.8	7.2	128.9
2711	Newspapers -----	-	143	30	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.4	64.2
273	Books -----	-	20	5	0.4	4.1	0.3	0.5	2.9	14.1	6.4	19.3	0.9	CC	(D)
2732	Book printing -----	-	11	5	0.4	3.4	0.3	0.5	2.8	7.4	4.0	11.3	(D)	CC	(D)
275	Commercial printing -----	E1	258	29	2.6	31.8	2.1	3.8	23.4	68.9	77.5	146.0	3.5	1.9	26.5
2751	Commercial printing, letterpress -----	E4	154	7	0.7	7.9	0.6	1.1	5.9	16.7	15.1	31.7	2.3	CC	(D)
2752	Commercial printing, lithographic -----	-	93	20	1.6	21.1	1.2	2.3	15.8	46.7	60.7	107.2	1.1	0.9	14.3
2753	Engraving and plate printing -	E2	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2761	Manifold business forms -----	-	5	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.7	15.3
278	Blankbooks and bookbinding --	-	11	5	0.4	4.1	0.3	0.6	2.4	7.8	4.2	12.0	(D)	AA	(D)
2782	Blankbooks and looseleaf binders -----	-	10	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
28	Chemicals and allied products -----	-	145	61	13.2	202.3	9.0	18.0	122.8	790.8	1 270.5	2 049.2	269.1	10.5	389.3
281	Industrial inorganic chemicals --	-	30	13	2.4	42.9	1.6	3.4	26.7	140.3	204.4	342.0	128.3	2.0	78.0
2812	Alkalies and chlorine -----	-	3	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2813	Industrial gases -----	-	14	4	0.2	3.6	0.1	0.2	1.7	23.1	13.6	36.4	(D)	BB	(D)
2819	Industrial inorganic chemicals, n.e.c. -----	-	12	5	1.4	25.6	0.9	2.0	16.2	68.6	135.7	200.8	(D)	1.2	44.6
282	Plastics materials and synthetics -----	-	7	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
2823	Cellulosic manmade fibers -----	-	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2824	Organic fibers, noncellulosic -	-	4	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
284	Soaps, cleaners, and toilet goods -----	-	15	5	0.8	7.0	0.6	0.7	2.7	64.5	42.2	105.9	1.3	(NA)	(NA)
2844	Toilet preparations -----	-	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2851	Paints and allied products -----	-	13	8	0.4	6.4	0.2	0.4	1.8	14.3	32.5	46.4	0.5	0.4	8.7
286	Industrial organic chemicals ---	-	16	11	2.2	35.2	1.5	3.0	21.5	200.6	378.6	597.2	75.8	EE	(D)
2865	Cyclic crudes and intermediates -----	-	4	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2869	Industrial organic chemicals, n.e.c. -----	-	9	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	25.3
287	Agricultural chemicals -----	-	31	11	2.3	35.4	1.5	3.0	20.6	144.2	185.8	320.7	32.4	2.2	59.7
2873	Nitrogenous fertilizers -----	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2875	Fertilizers, mixing only -----	E1	18	5	0.3	2.3	0.2	0.3	1.2	7.5	21.0	28.0	2.1	0.2	4.6
2879	Agricultural chemicals, n.e.c. -	-	8	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
289	Miscellaneous chemical products -----	-	24	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	14.5
2892	Explosives -----	-	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2899	Chemical preparations, n.e.c. -----	-	13	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
29	Petroleum and coal products -----	-	40	17	1.4	19.9	1.0	2.3	13.6	88.6	473.5	556.1	(D)	CC	(D)
2911	Petroleum refining -----	-	8	6	0.5	7.9	0.3	0.7	5.1	46.3	395.5	436.3	(D)	0.3	13.7
295	Paving and roofing materials ---	-	26	10	0.8	11.0	0.7	1.4	7.8	32.9	62.5	95.0	(D)	CC	(D)
2951	Paving mixtures and blocks ---	-	21	6	0.3	3.2	0.2	0.4	1.8	11.0	17.8	28.8	(D)	0.2	5.6
2952	Asphalt felts and coatings ---	-	5	4	0.6	7.8	0.5	1.0	6.0	21.9	44.7	66.2	(D)	BB	(D)
30	Rubber and miscellaneous plastics products ----	-	102	41	14.8	214.7	12.2	24.6	168.7	681.4	637.1	1 288.8	50.1	12.1	371.4
3011	Tires and inner tubes -----	-	9	6	9.4	155.5	7.9	16.4	127.8	446.6	395.6	828.7	38.1	8.0	251.8
3069	Fabricated rubber products, n.e.c. -----	-	13	5	1.9	14.1	1.6	3.1	10.9	48.3	33.3	78.8	0.6	EE	(D)
3079	Miscellaneous plastics products -----	-	78	29	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
31	Leather and leather products -----	-	11	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.3	11.8
314	Footwear, except rubber -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3143	Men's footwear, except athletic -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)

See footnotes at end of table.

Table 5. **Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—**
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

(Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B)															
SIC code	Industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
32	Stone, clay, and glass products -----	-	328	108	9.7	113.1	7.7	15.5	81.9	252.8	263.6	518.3	132.7	8.7	156.6
322	Glass and glassware, pressed or blown -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3221	Glass containers -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3231	Products of purchased glass ---	-	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3241	Cement, hydraulic -----	-	7	7	1.2	21.6	0.9	2.0	16.6	50.6	50.7	103.5	100.7	1.1	38.4
325	Structural clay products -----	-	27	22	1.8	17.8	1.5	2.9	13.5	45.2	32.6	78.0	4.1	1.6	20.5
3251	Brick and structural clay tile -----	-	18	15	0.9	8.0	0.8	1.6	6.1	21.5	16.9	38.9	(D)	0.7	9.6
3253	Ceramic wall and floor tile ---	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3255	Clay refractories -----	-	6	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	7.2
3259	Structural clay products, n.e.c. -----	-	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
326	Pottery and related products ---	-	10	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
327	Concrete, gypsum, and plaster products -----	E1	238	56	4.0	39.1	3.0	6.1	25.4	80.1	113.4	193.2	20.1	3.5	51.4
3271	Concrete block and brick -----	E1	24	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3272	Concrete products, n.e.c. -----	E2	98	17	1.4	11.5	1.2	2.4	7.6	22.8	22.3	45.0	5.8	1.0	15.7
3273	Ready-mixed concrete -----	E2	106	28	1.8	18.3	1.2	2.4	11.4	33.8	57.1	90.8	7.3	1.6	24.2
3274	Lime -----	-	9	6	0.4	6.0	0.4	0.8	4.6	16.2	23.8	40.0	5.3	BB	(D)
329	Miscellaneous nonmetallic mineral products -----	-	29	18	1.3	16.1	1.0	2.0	11.5	33.9	42.6	76.0	5.8	1.3	23.0
3291	Abrasive products -----	-	3	3	0.2	2.1	0.1	0.2	1.4	4.4	7.3	11.4	(D)	AA	(D)
3292	Asbestos products -----	-	4	3	0.3	3.3	0.2	0.4	2.3	2.7	6.6	9.1	(D)	AA	(D)
3293	Gaskets, packing, and sealing devices -----	-	5	4	0.3	3.2	0.3	0.5	2.5	10.2	7.5	17.6	(D)	BB	(D)
3295	Minerals, ground or treated ---	-	10	5	0.3	3.7	0.2	0.4	2.7	7.4	12.2	19.6	1.5	0.2	4.7
3296	Mineral wool -----	-	3	3	0.3	3.8	0.2	0.4	2.6	9.1	9.1	18.2	2.8	0.3	7.0
33	Primary metal industries -----	-	158	102	39.5	661.7	32.3	63.1	511.8	1 042.6	2 696.1	3 685.2	227.0	44.2	806.1
331	Blast furnace and basic steel products -----	-	34	26	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	20.4	412.2
3312	Blast furnaces and steel mills -----	-	17	12	14.9	289.2	12.2	22.5	225.2	341.0	996.8	1 331.6	(D)	17.8	375.7
3313	Electrometallurgical products -----	-	5	5	0.7	11.8	0.6	1.3	8.4	18.2	58.3	74.2	0.9	CC	(D)
3315	Steel wire and related products -----	-	7	5	1.0	10.2	0.8	1.4	7.2	13.2	35.0	47.9	0.6	1.1	7.9
3317	Steel pipe and tubes -----	E1	5	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
332	Iron and steel foundries -----	-	59	45	10.9	142.6	9.0	18.1	109.0	288.7	305.9	583.7	(D)	13.9	174.8
3321	Gray iron foundries -----	-	46	34	9.3	120.4	7.6	15.2	92.3	237.9	264.0	491.8	18.9	FF	(D)
3325	Steel foundries, n.e.c. -----	-	11	9	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
333	Primary nonferrous metals -----	-	4	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3334	Primary aluminum -----	-	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3341	Secondary nonferrous metals ---	-	11	6	0.8	11.1	0.7	1.3	8.3	26.1	116.2	142.3	3.9	BB	(D)
335	Nonferrous rolling and drawing -----	-	12	10	6.1	104.8	5.0	10.1	83.3	221.2	773.4	934.0	13.9	5.9	132.1
3351	Copper rolling and drawing ---	-	3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3353	Aluminum sheet, plate, and foil -----	-	3	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3355	Aluminum rolling and drawing, n.e.c. -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3356	Nonferrous rolling and drawing, n.e.c. -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3357	Nonferrous wire drawing and insulating -----	-	3	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
336	Nonferrous foundries -----	-	20	10	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.5	28.4
3361	Aluminum foundries -----	-	12	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3362	Brass, bronze, and copper foundries -----	E1	6	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
339	Miscellaneous primary metal products -----	-	18	2	0.4	6.1	0.4	0.8	4.6	9.5	40.5	54.0	(D)	AA	(D)
3399	Primary metal products, n.e.c. -----	-	11	1	0.4	5.3	0.3	0.7	4.0	7.6	39.7	51.4	0.4	(NA)	(NA)
34	Fabricated metal products -----	-	437	193	25.3	297.8	19.8	38.9	203.7	687.5	657.1	1 332.3	44.4	20.6	339.5
341	Metal cans and shipping containers -----	E1	8	5	0.7	10.9	0.6	1.3	8.5	12.6	50.3	60.3	1.2	0.4	6.7
3411	Metal cans -----	E1	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3412	Metal barrels, drums, and pails -----	-	5	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
342	Cutlery, hand tools, and hardware -----	-	8	5	1.3	12.0	1.1	2.0	8.4	35.1	13.6	45.0	2.9	0.7	7.6
3423	Hand and edge tools, n.e.c. -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3429	Hardware, n.e.c. -----	-	6	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.6	5.9
343	Plumbing and heating, except electric -----	-	12	6	1.5	14.2	1.2	2.4	11.2	42.2	39.5	80.5	(D)	EE	(D)
3433	Heating equipment, except electric -----	-	10	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)

See footnotes at end of table.

Table 5. **Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—**
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
34	Fabricated metal products—Con.														
344	Fabricated structural metal products -----	-	247	103	11.3	135.6	8.4	16.8	87.6	326.5	346.3	671.0	20.5	8.1	134.1
3441	Fabricated structural metal -----	-	71	36	3.6	40.4	2.8	5.9	28.2	97.0	114.0	207.6	4.9	2.8	39.4
3442	Metal doors, sash, and trim -----	E2	37	11	1.2	12.0	0.9	1.7	7.0	25.6	29.7	54.3	2.0	CC	(D)
3443	Fabricated plate work (boiler shops) -----	-	41	27	3.4	45.0	2.4	4.8	29.3	121.0	74.5	199.7	5.9	1.6	30.1
3444	Sheet metal work -----	E1	47	12	1.0	11.8	0.8	1.5	7.6	23.6	35.9	59.0	1.5	1.1	21.9
3445	Architectural metal work -----	E1	28	4	0.5	4.8	0.4	0.7	3.3	9.5	9.2	18.6	(D)	0.4	6.5
3448	Prefabricated metal buildings -----	-	13	7	1.0	12.8	0.7	1.4	7.5	33.0	52.5	85.1	0.8	CC	(D)
3449	Miscellaneous metal work -----	-	10	6	0.6	8.7	0.4	0.8	4.8	16.7	30.4	46.6	(D)	1.0	16.2
345	Screw machine products, bolts, etc. -----	-	14	9	1.0	12.4	0.7	1.4	8.9	28.6	17.3	44.5	1.0	EE	(D)
3452	Bolts, nuts, rivets, and washers -----	-	12	9	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
346	Metal forgings and stampings -----	-	29	12	2.1	23.7	1.7	3.3	17.0	54.9	57.2	112.5	3.7	1.4	21.4
3462	Iron and steel forgings -----	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3465	Automotive stampings -----	-	6	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3469	Metal stampings, n.e.c. -----	-	20	7	0.9	11.2	0.7	1.5	8.1	23.7	24.4	47.5	0.8	0.8	10.9
347	Metal services, n.e.c. -----	-	37	17	0.8	8.9	0.6	1.3	6.2	15.2	10.2	25.1	1.7	0.8	9.8
3471	Plating and polishing -----	E1	23	10	0.4	3.5	0.3	0.6	2.4	6.4	3.3	9.6	0.9	BB	(D)
3479	Metal coating and allied services -----	-	14	7	0.4	5.3	0.3	0.7	3.7	8.7	6.9	15.5	0.8	BB	(D)
348	Ordinance and accessories, n.e.c. -----	-	7	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
349	Miscellaneous fabricated metal products -----	-	75	33	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	5.7	96.2
3494	Valves and pipe fittings -----	-	9	7	4.2	52.0	3.5	6.7	38.0	114.8	57.8	170.6	8.2	FF	(D)
3496	Miscellaneous fabricated wire products -----	-	14	9	0.8	8.8	0.7	1.4	6.3	15.7	25.2	42.5	2.7	0.7	10.6
3499	Fabricated metal products, n.e.c. -----	-	46	16	1.3	15.2	1.0	1.7	8.5	34.9	32.7	67.3	1.4	CC	(D)
35	Machinery, except electrical -----	-	489	112	13.0	154.6	9.4	18.2	93.6	313.3	318.4	607.6	16.5	9.0	139.2
352	Farm and garden machinery -----	E1	41	15	1.7	16.8	1.2	2.0	8.2	37.4	47.3	79.2	1.2	EE	(D)
3523	Farm machinery and equipment -----	E1	35	12	1.5	15.3	1.1	1.8	7.2	33.2	35.9	63.7	1.1	EE	(D)
3524	Lawn and garden equipment -----	-	6	3	0.2	1.6	0.1	0.3	1.0	4.2	11.4	15.6	0.1	BB	(D)
353	Construction and related machinery -----	-	39	19	3.1	40.7	2.2	4.4	24.8	88.7	112.1	189.8	6.3	1.7	29.0
3531	Construction machinery -----	-	16	8	1.2	17.1	0.9	1.8	10.0	38.8	45.1	80.3	4.0	0.7	11.0
3532	Mining machinery -----	-	4	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3535	Conveyors and conveying equipment -----	-	7	4	0.6	6.9	0.4	0.7	3.4	18.5	27.1	44.4	0.4	CC	(D)
3536	Hoists, cranes, and monorails -----	-	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3537	Industrial trucks and tractors -----	E1	7	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	3.1
354	Metalworking machinery -----	E1	48	11	0.7	8.9	0.6	1.2	6.4	17.3	7.8	24.8	0.9	BB	(D)
3544	Special dies, tools, jigs, and fixtures -----	E1	31	8	0.5	6.4	0.4	0.9	4.7	10.4	3.8	14.0	0.5	0.3	4.8
355	Special industry machinery -----	-	35	9	1.2	15.4	1.0	2.0	9.1	31.4	28.6	58.7	1.2	1.5	27.6
3553	Woodworking machinery -----	-	7	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3554	Paper industries machinery -----	E1	7	3	0.2	2.0	0.2	0.4	1.2	2.7	2.5	5.9	0.5	AA	(D)
3559	Special industry machinery, n.e.c. -----	-	8	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
356	General industrial machinery -----	-	38	15	1.5	20.5	1.0	2.0	12.1	37.5	27.9	65.3	1.8	CC	(D)
3562	Ball and roller bearings -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3564	Blowers and fans -----	-	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3565	Industrial patterns -----	-	17	4	0.2	3.4	0.2	0.5	2.8	6.5	2.7	8.9	0.4	AA	(D)
3567	Industrial furnaces and ovens -----	-	4	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3569	General industrial machinery, n.e.c. -----	-	12	4	0.3	4.0	0.2	0.4	2.5	6.0	6.4	14.9	0.3	BB	(D)
357	Office and computing machines -----	-	6	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3573	Electronic computing equipment -----	-	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
358	Refrigeration and service machinery -----	-	22	10	2.0	21.9	1.4	2.7	13.3	43.1	58.8	98.1	1.4	EE	(D)
3585	Refrigeration and heating equipment -----	-	8	7	1.6	16.2	1.2	2.4	10.6	31.0	50.2	78.1	1.0	EE	(D)
3589	Service industry machinery, n.e.c. -----	-	9	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
359	Miscellaneous machinery, except electrical -----	E2	258	31	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3599	Machinery, except electrical, n.e.c. -----	E2	257	30	2.3	25.2	1.9	3.6	18.2	48.3	29.0	76.1	3.1	EE	(D)

See footnotes at end of table.

Table 5. **Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—**
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]															
SIC code	Industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
36	Electric and electronic equipment -	-	115	53	14.7	159.9	11.5	22.9	108.3	342.1	365.3	700.1	(D)	13.5	245.7
361	Electric distributing equipment -	-	10	6	0.8	8.1	0.7	1.4	6.0	21.2	17.5	37.8	0.6	CC	(D)
3612	Transformers -	-	4	3	0.7	6.5	0.6	1.2	5.1	18.2	14.4	31.8	0.6	CC	(D)
362	Electrical industrial apparatus -	-	17	8	1.1	11.9	0.8	1.5	7.4	35.9	33.3	68.1	(D)	0.3	4.0
3621	Motors and generators -	-	5	3	0.8	8.4	0.6	1.3	5.8	30.3	23.1	52.6	(D)	(NA)	(NA)
3623	Welding apparatus, electric -	-	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
363	Household appliances -	-	7	6	1.3	13.7	1.0	2.1	9.7	44.5	59.6	102.7	(D)	0.5	9.8
3631	Household cooking equipment -	-	3	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3634	Electric housewares and fans -	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3639	Household appliances, n.e.c. -	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
364	Electric lighting and wiring equipment -	-	21	9	1.7	18.8	1.4	2.4	13.2	47.5	30.9	78.7	(D)	2.1	39.0
3641	Electric lamps -	-	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3643	Current-carrying wiring devices -	-	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3644	Noncurrent-carrying wiring devices -	-	11	5	0.3	3.4	0.2	0.4	2.1	7.8	9.0	17.3	0.3	BB	(D)
365	Radio and TV receiving equipment -	-	10	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3651	Radio and TV receiving sets -	-	2	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
366	Communication equipment -	-	20	12	4.9	46.5	3.8	7.6	31.3	88.3	71.7	165.5	(D)	7.1	137.1
3661	Telephone and telegraph apparatus -	-	3	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3662	Radio and TV communication equipment -	-	17	10	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
367	Electronic components and accessories -	-	21	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3675	Electronic capacitors -	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3679	Electronic components, n.e.c. -	-	18	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
369	Miscellaneous electrical equipment and supplies -	-	9	6	1.4	12.9	1.2	2.5	10.0	22.2	27.4	51.5	(D)	1.0	15.5
3691	Storage batteries -	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3694	Engine electrical equipment -	-	6	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
37	Transportation equipment -	-	158	61	17.0	222.7	13.6	26.3	164.1	380.8	476.4	835.1	46.6	18.1	269.9
371	Motor vehicles and equipment -	-	64	28	5.9	72.5	4.7	9.9	52.7	149.8	235.8	378.9	(D)	FF	(D)
3713	Truck and bus bodies -	-	16	6	0.8	8.9	0.6	1.2	6.2	23.4	28.8	51.4	(D)	(NA)	(NA)
3714	Motor vehicle parts and accessories -	-	31	15	3.5	45.0	2.9	6.2	32.9	95.8	135.0	225.5	(D)	1.7	22.2
3715	Truck trailers -	-	10	5	1.4	16.0	1.1	2.2	11.6	26.6	65.0	90.9	0.5	EE	(D)
372	Aircraft and parts -	-	5	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3721	Aircraft -	-	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3724	Aircraft engines and engine parts -	-	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
373	Ship and boat building and repairing -	-	56	18	3.9	43.1	3.4	6.1	36.1	70.6	53.0	123.5	(D)	FF	(D)
3731	Ship building and repairing -	-	16	12	2.9	34.2	2.6	4.6	29.3	54.3	34.9	89.2	5.4	FF	(D)
3732	Boat building and repairing -	E2	40	6	1.0	8.9	0.8	1.5	6.8	16.3	18.1	34.3	0.7	BB	(D)
3743	Railroad equipment -	-	3	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
376	Guided missiles, space vehicles, parts -	-	8	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3761	Guided missiles and space vehicles -	-	3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3764	Space propulsion units and parts -	-	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3769	Space vehicle equipment, n.e.c. -	E2	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
379	Miscellaneous transportation equipment -	E1	19	5	0.3	3.0	0.3	0.6	2.2	4.9	9.2	13.6	(D)	0.9	10.8
38	Instruments and related products -	-	57	16	2.5	22.3	1.9	3.8	15.1	68.1	59.0	124.0	3.0	1.4	24.0
382	Measuring and controlling devices -	-	19	6	1.0	10.0	0.8	1.6	7.1	30.7	16.5	45.6	(D)	0.2	4.6
3822	Environmental controls -	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3824	Fluid meters and counting devices -	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
384	Medical instruments and supplies -	-	23	6	0.8	6.6	0.6	1.1	4.1	23.7	28.0	50.2	0.8	BB	(D)
3841	Surgical and medical instruments -	-	4	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3842	Surgical appliances and supplies -	-	16	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3843	Dental equipment and supplies -	-	3	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3873	Watches, clocks, and watchcases -	-	6	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)

See footnotes at end of table.

Table 5. **Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—**
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
39	Miscellaneous manufacturing industries	-	135	29	4.5	40.3	3.5	6.7	25.3	85.0	111.2	193.9	6.8	3.4	45.6
394	Toys and sporting goods	-	32	8	2.2	20.2	1.8	3.4	13.5	42.3	54.5	94.7	(D)	1.5	19.5
3944	Games, toys, and children's vehicles	-	4	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3949	Sporting and athletic goods, n.e.c.	-	28	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
396	Costume jewelry and notions ..	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3962	Artificial flowers	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
399	Miscellaneous manufactures ...	E1	84	18	1.9	17.3	1.5	2.7	10.5	37.7	48.5	86.1	(D)	1.5	22.0
3991	Brooms and brushes	-	5	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3993	Signs and advertising displays	E4	36	5	0.6	5.8	0.5	0.9	3.6	12.7	12.7	24.8	1.1	0.5	7.7
3995	Burial caskets	-	14	6	0.3	2.0	0.2	0.4	1.5	6.3	10.5	16.8	(D)	0.3	2.8
3996	Hard surface floor coverings ..	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3999	Manufacturing industries, n.e.c.	-	27	3	0.4	3.9	0.3	0.6	2.3	10.1	15.1	25.1	0.7	0.2	2.2
-	Administrative and auxiliary	-	79	43	5.4	88.9	-	-	-	-	-	-	-	(NA)	(NA)

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Statistics for some industry groups and industries are withheld to avoid disclosing figures for individual companies. However, for such industry groups and industries with 150 employees or more, number of establishments is shown and employment size range is indicated by one of the following symbols: AA—150 to 249 employees; BB—250 to 499 employees; CC—500 to 999 employees; EE—1,000 to 2,499 employees; FF—2,500 employees or more. Statistics for industry groups shown include data for all component industries, regardless of whether data are shown for individual industries in the group.

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 6. **Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972**

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Anniston SMSA -----	-	155	63	10.8	104.2	8.4	15.5	73.4	250.3	220.8	474.5	29.2	11.9	141.8
22	Textile mill products -----	-	12	10	2.9	22.7	2.5	4.7	18.0	50.1	46.7	95.9	1.6	(NA)	(NA)
23	Apparel and other textile products -----	-	11	8	1.0	6.2	1.0	1.6	5.7	11.2	5.0	16.2	0.1	(NA)	(NA)
24	Lumber and wood products --	E2	34	5	0.4	3.1	0.3	0.5	2.2	6.2	16.4	22.5	0.4	(NA)	(NA)
27	Printing and publishing -----	E1	13	3	0.3	2.5	0.1	0.2	1.0	5.5	1.3	6.7	(D)	(NA)	(NA)
33	Primary metal industries ----	-	11	6	1.1	10.8	0.9	1.7	8.7	20.4	22.4	41.7	(D)	(NA)	(NA)
332	Iron and steel foundries ---	-	7	6	1.1	10.8	0.9	1.7	8.6	20.2	22.2	41.4	(D)	(NA)	(NA)
34	Fabricated metal products ---	-	20	11	2.7	32.3	2.2	4.3	24.6	79.7	60.3	138.5	5.6	(NA)	(NA)
35	Machinery, except electrical -	-	19	5	0.3	3.0	0.3	0.5	2.2	5.2	3.1	8.1	(D)	(NA)	(NA)
359	Miscellaneous machinery, except electrical -----	-	13	3	0.3	2.2	0.2	0.4	1.7	4.1	2.4	6.3	(D)	(NA)	(NA)
3599	Machinery, except electrical, n.e.c. -----	-	13	3	0.3	2.2	0.2	0.4	1.7	4.1	2.4	6.3	(D)	(NA)	(NA)
--	Administrative and auxiliary --	-	3	3	0.5	5.3	-	-	-	-	-	-	-	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Birmingham SMSA -----	-	1 084	421	64.5	674.1	48.2	92.4	590.9	1 595.7	2 627.1	4 196.7	295.9	68.9	1 123.8
20	Food and kindred products --	-	68	41	5.9	62.3	3.4	6.5	28.1	164.9	374.9	539.8	14.2	7.9	128.4
201	Meat products -----	-	14	9	1.3	11.4	1.1	1.9	8.1	15.1	94.1	109.5	2.7	3.6	34.9
204	Grain mill products -----	-	8	4	0.7	9.3	0.4	0.9	4.9	33.5	87.8	122.1	(D)	0.8	22.9
205	Bakery products -----	-	11	8	1.1	9.6	0.6	1.1	4.5	24.3	16.7	40.9	0.7	0.9	17.4
207	Fats and oils -----	-	6	4	0.3	3.1	0.2	0.5	1.8	6.7	33.1	40.1	(D)	(NA)	(NA)
208	Beverages -----	-	7	5	0.8	9.1	0.2	0.5	2.2	37.9	47.6	85.4	3.0	0.4	16.6
209	Miscellaneous foods and kindred products -----	-	11	7	1.1	14.0	0.5	1.0	4.3	27.2	45.4	71.4	(D)	0.9	15.4
22	Textile mill products -----	-	11	7	1.6	13.3	1.4	2.8	11.0	31.0	37.4	68.3	(D)	1.3	20.7
23	Apparel and other textile products -----	-	26	13	2.0	13.1	1.9	3.2	10.7	27.4	38.7	68.6	0.4	2.4	31.0
239	Miscellaneous fabricated textile products -----	-	12	3	0.3	1.8	0.2	0.4	1.3	5.8	4.7	11.8	0.1	0.4	2.9
24	Lumber and wood products --	E1	126	18	1.6	15.7	1.4	2.7	11.4	37.2	55.7	91.6	1.8	1.4	19.6
242	Sawmills and planing mills --	-	20	6	0.3	2.6	0.3	0.5	2.1	5.8	13.2	18.9	0.3	0.4	4.3
2421	Sawmills and planing mills, general -----	-	20	6	0.3	2.6	0.3	0.5	2.1	5.8	13.2	18.9	0.3	(NA)	(NA)
243	Millwork, plywood, and structural members -----	-	26	6	0.8	9.2	0.7	1.4	6.3	21.2	32.9	53.1	0.9	0.7	11.9
25	Furniture and fixtures -----	-	38	17	2.1	19.3	1.8	3.2	13.7	42.1	44.2	85.8	2.7	2.3	34.3
251	Household furniture -----	-	22	10	1.3	10.6	1.2	1.9	8.1	21.5	23.8	44.9	(D)	1.5	19.5
26	Paper and allied products ---	-	15	9	0.9	8.5	0.6	1.2	5.4	19.5	24.8	43.6	0.9	0.9	12.1
264	Miscellaneous converted paper products -----	-	10	5	0.5	5.2	0.4	0.8	3.5	10.2	14.3	24.0	0.5	0.5	7.0
265	Paperboard containers and boxes -----	-	5	4	0.3	3.3	0.2	0.4	1.9	9.2	10.5	19.7	0.4	0.4	5.0
2653	Corrugated and solid fiber boxes -----	-	5	4	0.3	3.3	0.2	0.4	1.9	9.2	10.5	19.7	0.4	0.4	5.0
2752	Commercial printing, lithographic -----	-	34	10	1.1	15.8	0.8	1.6	12.1	36.9	54.3	91.0	0.7	0.7	12.1
28	Chemicals and allied products -----	-	29	12	0.8	12.0	0.5	1.0	6.9	43.3	61.6	104.7	11.1	1.2	28.1
29	Petroleum and coal products -----	-	9	4	0.3	3.9	0.2	0.5	2.6	13.3	29.3	42.5	(D)	0.3	11.5
30	Rubber and miscellaneous plastics products -----	-	23	9	0.5	6.4	0.4	0.8	4.3	15.2	28.0	43.4	2.1	0.4	7.8
32	Stone, clay, and glass products -----	-	81	45	3.5	49.1	2.8	5.7	36.0	117.3	122.5	240.8	42.0	3.3	69.5
327	Concrete, gypsum, and plaster products -----	E1	46	22	1.2	14.3	0.9	1.9	10.0	32.6	45.4	78.0	8.5	1.0	15.2
3272	Concrete products, n.e.c. -----	E5	21	6	0.3	3.0	0.2	0.5	2.1	7.5	4.8	12.3	0.9	0.3	4.9
3273	Ready-mixed concrete --	E4	14	7	0.3	3.9	0.2	0.5	2.5	6.2	11.9	18.1	1.9	0.3	4.8
3274	Lime -----	-	5	5	0.4	5.5	0.3	0.8	4.4	15.2	23.3	38.4	5.2	(NA)	(NA)
33	Primary metal industries ----	-	66	48	20.3	346.3	16.5	31.5	266.5	445.9	1 143.6	1 581.0	188.0	24.2	410.2
331	Blast furnace and basic steel products -----	-	23	18	12.9	239.0	10.6	19.5	186.9	231.9	879.7	1 111.6	(D)	15.8	288.5
332	Iron and steel foundries ---	-	25	21	6.7	99.8	5.3	10.9	74.4	202.7	237.8	432.3	(D)	7.6	111.6
34	Fabricated metal products ---	-	183	91	10.7	137.8	8.1	16.1	88.4	334.1	315.4	647.5	14.5	9.5	162.3
344	Fabricated structural metal products -----	-	105	52	5.4	67.9	3.9	7.8	42.5	191.4	182.7	374.7	7.2	4.6	80.7
3441	Fabricated structural metal -----	E1	39	20	2.0	24.5	1.6	3.2	17.0	57.4	64.5	119.9	2.8	1.8	23.1
3444	Sheet metal work -----	E1	19	8	0.4	4.9	0.3	0.6	3.0	11.9	18.7	30.2	0.9	0.4	9.1
345	Screw machine products, bolts, etc. -----	-	9	6	0.8	10.4	0.6	1.1	7.4	23.3	14.7	37.0	(D)	0.8	14.2
3452	Bolts, nuts, rivets, and washers -----	-	9	6	0.8	10.4	0.6	1.1	7.4	23.3	14.7	37.0	(D)	0.8	14.2
347	Metal services, n.e.c. -----	-	12	5	0.3	2.9	0.2	0.5	2.1	6.4	4.6	10.8	(D)	0.3	4.7
349	Miscellaneous fabricated metal products -----	-	36	19	3.0	39.4	2.4	4.7	25.0	79.2	48.5	128.7	4.4	2.8	46.7
35	Machinery, except electrical --	-	145	34	3.3	43.9	2.3	4.4	26.0	89.0	82.2	169.7	3.5	2.5	42.5
353	Construction and related machinery -----	-	15	7	1.0	13.8	0.6	1.3	7.7	31.2	39.3	67.7	(D)	0.4	9.1
356	General industrial machinery -----	-	22	10	0.9	13.0	0.6	1.2	7.7	23.6	15.9	41.2	1.0	0.7	10.7
359	Miscellaneous machinery, except electrical -----	E1	63	10	0.7	7.2	0.5	1.0	5.2	13.6	7.9	21.2	1.1	0.4	5.4
36	Electric and electronic equipment -----	-	35	13	1.2	15.0	0.8	1.4	8.2	29.5	30.4	60.6	1.4	1.4	23.4
362	Electrical industrial apparatus -----	-	10	5	0.3	3.5	0.2	0.3	1.5	5.5	10.1	15.3	0.2	(NA)	(NA)
364	Electric lighting and wiring equipment -----	-	13	5	0.7	9.0	0.5	0.8	5.1	19.5	16.1	36.6	(D)	(NA)	(NA)
37	Transportation equipment ---	-	24	9	3.9	53.5	3.1	5.7	40.2	63.1	132.0	181.8	1.8	5.1	83.8
39	Miscellaneous manufacturing industries ---	E2	30	7	1.0	8.8	0.8	1.4	5.6	21.2	22.9	43.2	1.1	1.1	14.0
-	Administrative and auxiliary --	-	21	14	1.2	22.9	-	-	-	-	-	-	-	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Columbus, Ga.-Ala., SMSA ---	-	222	91	20.6	206.0	16.2	32.9	140.2	530.6	649.1	1 170.5	34.5	19.7	339.5
20	Food and kindred products --	-	17	11	4.0	46.4	2.2	4.2	20.7	138.1	135.4	275.8	5.3	4.0	93.2
22	Textile mill products-----	-	14	13	8.8	79.2	7.9	16.8	68.4	166.7	218.6	385.4	11.5	9.0	140.1
228	Yarn and thread mills-----	-	4	4	1.7	13.4	1.4	3.0	11.8	23.0	40.5	63.8	0.6	(NA)	(NA)
2281	Yarn mills, except wool --	-	4	4	1.7	13.4	1.4	3.0	11.8	23.0	40.5	63.8	0.6	(NA)	(NA)
23	Apparel and other textile products-----	-	16	10	1.3	9.6	1.2	2.2	7.9	25.4	70.0	93.2	0.2	1.0	8.6
239	Miscellaneous fabricated textile products-----	-	8	4	0.9	7.0	0.8	1.6	5.8	21.5	68.0	87.4	0.1	(NA)	(NA)
24	Lumber and wood products--	E1	43	7	0.4	3.8	0.4	0.7	2.6	7.8	18.4	26.3	0.8	0.5	6.0
27	Printing and publishing ----	-	21	6	0.6	7.1	0.4	0.6	3.5	15.3	5.8	21.1	1.0	0.8	13.4
32	Stone, clay, and glass products-----	-	21	9	0.6	4.8	0.5	1.0	3.8	15.6	11.3	27.0	(D)	0.8	13.0
33	Primary metal industries ----	-	5	5	1.0	10.7	0.8	1.7	7.7	26.6	26.5	52.6	(D)	0.6	6.1
34	Fabricated metal products---	-	21	9	0.7	8.1	0.6	1.1	5.3	17.0	30.1	46.5	1.2	0.8	9.5
344	Fabricated structural metal products-----	-	15	6	0.5	5.3	0.3	0.6	2.9	11.5	14.4	25.7	(D)	0.4	6.0
36	Electric and electronic equipment-----	-	6	4	0.8	7.9	0.7	1.3	5.9	36.9	26.9	61.3	(D)	(NA)	(NA)
	Florence SMSA-----	-	175	65	14.0	199.4	11.4	22.8	152.8	409.6	1 001.1	1 345.4	39.7	11.9	209.2
23	Apparel and other textile products-----	-	8	7	1.6	8.9	1.5	2.8	7.8	11.1	3.8	15.0	0.2	1.0	4.0
232	Men's and boys' furnishings-----	E2	5	4	0.6	3.7	0.5	1.0	3.2	5.0	1.0	6.1	(D)	(NA)	(NA)
32	Stone, clay, and glass products-----	-	12	6	0.5	4.4	0.4	0.7	3.0	8.9	8.3	16.7	(D)	(NA)	(NA)
34	Fabricated metal products---	-	26	7	0.7	6.5	0.5	1.0	4.8	22.0	21.6	43.3	5.7	0.7	6.8
35	Machinery, except electrical -	E1	17	6	0.3	3.8	0.2	0.5	2.7	6.5	2.3	8.7	0.3	(NA)	(NA)
	Gadsden SMSA-----	-	100	41	11.8	171.6	9.4	18.2	129.9	389.4	456.9	836.6	37.7	11.3	268.1
20	Food and kindred products --	-	10	5	1.1	10.5	0.7	1.6	5.8	22.7	52.3	74.9	(D)	1.1	8.3
23	Apparel and other textile products-----	E1	4	4	0.6	3.6	0.6	1.0	2.9	7.0	1.9	9.2	(D)	(NA)	(NA)
32	Stone, clay, and glass products-----	E1	8	3	0.3	3.1	0.2	0.5	2.6	6.7	5.0	11.7	(D)	0.3	5.7
35	Machinery, except electrical -	E1	13	4	0.4	4.7	0.3	0.6	3.0	6.4	6.6	11.0	0.4	(NA)	(NA)
	Huntsville SMSA-----	-	392	142	31.5	336.1	25.0	48.2	234.5	738.2	1 016.9	1 737.5	92.0	27.8	468.2
20	Food and kindred products --	-	31	20	3.3	28.8	2.5	4.8	18.3	58.1	317.4	382.0	4.1	2.8	43.3
201	Meat products-----	-	9	7	2.3	16.6	2.0	3.7	13.4	29.1	138.8	167.2	(D)	1.4	16.2
22	Textile mill products-----	-	8	5	2.1	18.1	2.0	4.1	15.8	28.1	32.7	60.2	(D)	2.1	18.2
23	Apparel and other textile products-----	-	25	17	3.4	19.4	3.1	5.2	17.1	27.5	6.0	33.1	0.7	2.5	14.8
233	Women's and misses' outerwear-----	-	5	4	0.4	2.2	0.4	0.6	1.8	2.2	1.5	3.7	(D)	(NA)	(NA)
24	Lumber and wood products--	E1	30	6	0.5	4.3	0.4	0.8	3.2	8.6	13.9	22.8	0.5	0.8	11.7
27	Printing and publishing ----	E2	44	3	0.5	6.2	0.3	0.5	2.9	17.6	6.8	24.3	1.4	0.4	7.5
2711	Newspapers-----	-	10	1	0.3	3.1	0.1	0.2	1.2	10.3	2.3	12.6	(D)	0.3	5.8
28	Chemicals and allied products-----	-	4	4	1.7	20.6	1.3	2.2	12.6	76.2	91.7	163.6	3.0	0.6	7.6
32	Stone, clay, and glass products-----	-	22	9	0.9	11.5	0.7	1.4	7.6	29.4	17.7	46.9	2.3	0.9	13.6
33	Primary metal industries ----	-	6	5	0.9	11.7	0.8	1.7	8.9	28.6	86.6	116.4	1.2	(NA)	(NA)
34	Fabricated metal products---	-	30	11	1.9	20.6	1.6	3.3	16.0	51.8	44.6	93.9	2.8	1.8	41.8
344	Fabricated structural metal products-----	-	15	4	0.5	6.4	0.4	0.8	3.9	15.5	15.7	31.3	0.4	(NA)	(NA)
35	Machinery, except electrical -	-	71	16	1.8	20.5	1.2	2.2	10.1	41.9	30.2	68.7	2.4	0.8	13.0
359	Miscellaneous machinery, except electrical-----	E1	46	8	0.4	4.9	0.4	0.7	3.5	10.3	6.7	16.5	0.6	(NA)	(NA)
3599	Machinery, except electrical, n.e.c.-----	E1	46	8	0.4	4.9	0.4	0.7	3.5	10.3	6.7	16.5	0.6	(NA)	(NA)
36	Electric and electronic equipment-----	-	33	20	8.2	90.7	6.4	12.8	61.1	171.1	196.2	358.9	(D)	8.0	146.1
366	Communication equipment-----	-	13	9	4.5	43.2	3.5	7.0	29.6	84.1	86.5	154.5	(D)	7.0	136.3
367	Electronic components and accessories-----	-	11	4	0.8	6.3	0.6	1.3	5.1	9.9	7.8	17.5	(D)	(NA)	(NA)
37	Transportation equipment ---	-	28	9	3.1	52.6	2.3	4.6	35.7	92.7	73.1	161.3	(D)	4.6	103.8

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SMSA's, see appendix A. For explanation of terms, see appendix B.

SIC code	SMSA and industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Mobile SMSA -----	-	561	153	28.6	374.0	21.7	42.6	254.3	903.5	1 402.9	2 290.0	232.3	23.5	480.6
20	Food and kindred products --	E1	61	22	2.1	22.2	1.2	2.5	10.4	45.5	91.3	136.2	8.1	1.7	25.6
208	Beverages -----	E2	4	4	0.7	8.7	0.2	0.5	2.5	13.8	16.4	30.2	(D)	0.4	6.9
209	Miscellaneous foods and kindred products-----	-	35	11	0.7	6.2	0.6	1.2	4.4	14.6	46.9	61.1	2.7	0.3	2.5
23	Apparel and other textile products -----	-	18	5	1.3	7.9	1.2	2.1	6.8	13.6	8.3	21.4	0.2	(NA)	(NA)
24	Lumber and wood products --	E1	130	23	1.9	16.9	1.6	3.1	12.3	34.6	62.1	96.4	3.5	2.1	25.6
242	Sawmills and planing mills -	-	16	8	0.9	8.6	0.9	1.8	6.9	18.1	29.0	46.6	2.2	0.9	12.8
243	Millwork, plywood, and structural members -----	-	20	7	0.5	4.0	0.4	0.7	2.3	8.2	16.4	24.3	0.1	0.5	5.2
2431	Millwork-----	-	9	5	0.4	3.0	0.3	0.5	1.6	6.7	14.9	21.3	0.1	0.4	4.3
27	Printing and publishing -----	E1	63	6	1.0	9.5	0.6	1.0	5.5	24.1	10.1	34.2	0.4	0.8	14.3
28	Chemicals and allied products -----	-	36	18	3.7	60.3	2.5	5.3	36.9	191.3	349.0	526.9	142.8	2.7	102.2
281	Industrial inorganic chemicals -----	-	7	6	1.5	27.5	1.0	2.1	17.1	68.3	137.8	202.4	(D)	(NA)	(NA)
29	Petroleum and coal products -----	-	7	5	0.5	7.7	0.4	0.8	5.7	31.4	279.0	309.3	(D)	0.3	15.5
32	Stone, clay, and glass products -----	-	31	9	1.4	12.2	1.1	2.2	8.4	17.6	33.7	52.1	5.6	0.9	15.2
3272	Concrete products, n.e.c. -----	-	12	4	0.6	3.7	0.5	1.2	2.4	5.0	10.1	14.9	(D)	(NA)	(NA)
3273	Ready-mixed concrete --	-	8	3	0.5	4.4	0.3	0.6	2.7	5.1	11.2	16.2	(D)	0.5	4.6
3443	Fabricated plate work (boiler shops) -----	-	7	4	1.1	15.7	0.9	1.7	11.8	22.1	10.1	32.1	1.3	(NA)	(NA)
35	Machinery, except electrical -	-	43	5	0.6	8.5	0.5	1.0	5.9	19.1	8.9	27.4	2.4	0.4	7.6
37	Transportation equipment ---	-	43	17	4.5	55.9	3.7	6.7	42.2	110.3	96.2	206.7	6.2	3.0	41.1
38	Instruments and related products -----	-	12	4	0.6	5.2	0.5	0.9	3.3	11.7	21.3	32.7	(D)	(NA)	(NA)
	Montgomery SMSA -----	-	314	98	14.1	141.1	10.7	21.2	93.4	346.2	456.1	793.2	34.1	11.5	167.3
20	Food and kindred products --	-	25	17	2.0	19.1	1.1	2.1	8.3	42.5	101.9	144.0	6.0	1.8	22.9
202	Dairy products -----	-	4	4	0.4	4.0	0.1	0.3	1.1	6.3	28.1	34.2	(D)	0.4	5.7
2026	Fluid milk -----	-	4	4	0.4	4.0	0.1	0.3	1.1	6.3	28.1	34.2	(D)	0.4	5.7
22	Textile mill products-----	-	6	5	1.5	11.3	1.4	2.7	10.2	12.1	37.8	50.1	(D)	1.2	13.4
23	Apparel and other textile products -----	-	13	10	1.2	6.9	1.0	1.9	5.2	11.6	8.2	19.7	0.2	0.9	3.4
232	Men's and boys' furnishings -----	E1	5	5	0.5	2.9	0.4	0.8	2.3	3.8	5.1	8.9	(Z)	(NA)	(NA)
24	Lumber and wood products --	E1	108	10	0.7	6.4	0.6	1.2	4.5	16.9	18.2	34.4	0.8	1.1	11.6
243	Millwork, plywood, and structural members -----	-	17	7	0.3	2.9	0.3	0.6	2.1	6.4	6.1	12.4	0.1	0.3	2.8
25	Furniture and fixtures -----	-	11	6	0.5	4.5	0.5	0.8	3.1	9.1	8.0	17.0	0.6	0.6	5.7
2512	Upholstered household furniture -----	-	3	3	0.4	3.4	0.4	0.7	2.5	6.7	4.7	11.4	(D)	0.5	3.6
27	Printing and publishing -----	E1	44	10	0.9	8.3	0.5	0.9	4.6	22.2	8.6	30.9	(D)	1.0	24.0
275	Commercial printing -----	E2	25	6	0.3	2.9	0.2	0.4	2.0	5.8	3.3	9.1	0.9	(NA)	(NA)
32	Stone, clay, and glass products -----	-	25	9	1.2	13.6	1.1	2.0	11.1	31.1	25.9	57.4	2.0	1.2	21.9
34	Fabricated metal products ---	-	15	4	0.8	6.5	0.6	1.2	5.3	18.9	27.3	45.4	(D)	(NA)	(NA)
35	Machinery, except electrical -	-	17	6	1.7	20.6	1.3	2.7	12.0	40.8	42.1	79.3	1.7	1.3	17.6
358	Refrigeration and service machinery -----	-	3	3	0.5	5.1	0.4	0.8	3.1	7.6	13.3	20.9	(D)	(NA)	(NA)
	Tuscaloosa SMSA -----	-	135	50	10.1	126.7	8.0	14.9	90.8	310.5	459.8	764.4	35.9	10.9	179.6
20	Food and kindred products --	-	13	8	1.0	10.7	0.7	1.3	5.7	32.1	29.3	61.2	0.8	0.8	17.2
24	Lumber and wood products --	E1	47	14	0.9	7.2	0.8	1.5	5.5	16.9	29.6	46.2	1.3	1.1	11.4
242	Sawmills and planing mills -	E1	16	11	0.6	5.1	0.5	1.1	3.9	12.5	24.4	36.5	1.0	0.5	5.4
29	Petroleum and coal products -----	-	6	4	0.4	5.8	0.3	0.6	3.7	31.3	143.7	170.1	(D)	(NA)	(NA)

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (S) Withheld because estimate did not meet publication standards.
 (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977												1972	
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital ex- penditures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
24	Autauga County	-	35	9	2.3	25.3	1.8	3.5	16.8	53.2	75.3	127.7	(D)	1.9	33.8
	Barbour County	-	78	20	2.2	20.7	1.7	3.4	13.9	39.4	54.9	93.3	1.9	2.1	28.0
	Lumber and wood products --	E2	52	6	0.5	4.4	0.4	0.8	3.2	13.1	13.8	26.4	1.1	0.5	6.0
	Bibb County	-	47	13	1.5	9.8	1.4	2.4	8.0	21.3	25.6	46.4	1.8	1.5	12.6
24	Lumber and wood products --	E3	37	8	0.6	4.5	0.5	1.0	3.6	11.7	15.0	26.2	1.5	0.7	7.7
23	Blount County	-	37	7	1.4	10.3	1.3	2.1	8.6	30.0	60.3	87.3	2.3	1.1	16.8
	Bullock County	-	47	5	1.0	5.9	0.9	1.6	5.5	15.7	27.2	41.8	0.4	1.1	11.7
	Butler County	-	106	18	2.7	21.7	2.3	4.5	17.3	45.9	63.3	107.7	3.3	2.3	26.5
	Apparel and other textile products	E1	8	7	1.1	5.9	1.0	1.7	5.1	14.5	10.1	24.3	0.1	1.0	9.0
24	Lumber and wood products --	-	79	5	0.9	9.2	0.7	1.6	7.0	20.8	27.3	47.8	2.2	1.0	16.8
23	Calhoun County (Coextensive with Anniston, Ala., SMSA; see table 6.)														
	Cherokee County	-	20	6	1.0	8.7	0.9	1.7	6.7	16.5	19.1	35.2	0.3	1.0	7.3
	Chilton County	-	62	10	1.6	11.8	1.3	2.4	8.5	23.7	28.1	52.0	1.5	1.1	7.3
	Apparel and other textile products	E2	4	3	0.6	3.3	0.5	0.9	2.8	4.3	3.4	8.1	(D)	(NA)	(NA)
24	Clarke County	-	93	16	3.1	30.0	2.8	5.5	24.4	67.4	87.5	154.2	9.7	3.2	42.9
242	Lumber and wood products --	-	72	8	1.2	12.2	1.1	2.4	9.8	25.2	52.9	77.6	(D)	1.3	17.3
2421	Sawmills and planing mills -	-	12	5	0.8	8.1	0.7	1.7	6.6	14.3	29.3	43.2	1.3	0.9	10.2
	Sawmills and planing mills, general	-	12	5	0.8	8.1	0.7	1.7	6.6	14.3	29.3	43.2	1.3	(NA)	(NA)
23	Clay County	-	35	8	1.7	10.7	1.5	2.6	8.5	20.6	22.0	42.5	0.8	1.2	13.8
	Apparel and other textile products	-	5	4	1.2	6.8	1.0	1.8	5.6	8.6	10.0	18.4	0.2	(NA)	(NA)
	Cleburne County	-	27	5	1.0	7.6	1.0	1.8	7.0	22.6	34.3	56.6	1.3	1.2	17.5
	Coffee County	-	61	19	3.7	31.7	3.0	5.9	22.9	62.6	157.3	221.1	3.4	3.4	39.2
34	Colbert County	-	94	36	9.8	166.3	8.0	16.3	128.7	335.9	920.1	1 191.2	30.8	8.7	175.9
	Fabricated metal products ---	-	16	4	0.5	5.0	0.4	0.8	3.9	17.8	16.3	33.9	(D)	0.5	4.9
	Conecuh County	-	60	6	0.9	7.5	0.8	1.3	5.3	14.8	12.2	27.0	0.7	1.3	11.0
	Coosa County	-	45	9	0.8	6.8	0.7	1.3	5.1	14.9	25.1	39.7	0.5	0.7	7.6
23	Covington County	-	75	17	5.1	35.1	4.4	7.6	26.0	61.6	68.6	128.0	5.2	5.4	39.9
	Apparel and other textile products	-	9	8	3.1	18.8	2.7	4.4	13.9	30.1	13.7	40.3	0.9	3.2	17.9
	Men's and boys' shirts and nightwear	-	4	4	2.0	12.6	1.8	2.9	9.5	23.2	13.2	32.5	(D)	(NA)	(NA)
	Lumber and wood products --	-	37	2	0.5	5.1	0.4	1.0	3.7	10.2	15.0	25.1	0.5	0.5	4.7
23	Crenshaw County	-	46	8	1.0	6.2	0.8	1.5	4.8	11.1	10.6	21.8	0.8	1.1	8.2
	Cullman County	-	88	28	5.4	45.6	4.7	8.7	35.5	108.8	152.7	253.6	12.0	4.5	51.1
	Apparel and other textile products	-	10	5	1.4	7.1	1.3	2.1	6.3	23.7	6.7	29.7	0.3	1.0	6.2
	Fabricated metal products ---	-	14	6	1.6	17.2	1.4	2.6	12.7	46.0	33.0	74.2	2.7	0.9	15.0
23	Dale County	-	44	9	1.1	8.3	0.9	1.9	6.1	15.8	24.4	39.5	1.1	1.0	7.7
23	Apparel and other textile products	-	4	3	0.5	2.8	0.4	0.9	2.0	5.9	7.1	13.7	(D)	(NA)	(NA)
	Dallas County	-	89	28	5.1	42.1	4.3	7.3	28.8	94.8	135.8	225.4	9.9	4.5	62.1
	Food and kindred products --	-	11	6	0.7	7.2	0.6	1.0	4.2	12.2	29.3	41.5	1.2	0.6	8.1
	Apparel and other textile products	E1	4	4	1.2	7.0	1.1	1.9	5.4	11.5	5.0	15.0	(D)	1.1	7.2
24	Lumber and wood products --	E2	36	4	0.5	3.1	0.4	0.4	2.9	4.1	10.0	13.7	1.1	(NA)	(NA)
22	De Kalb County	-	103	45	5.2	41.0	4.5	7.9	29.5	84.5	118.2	197.7	7.6	3.4	40.9
	Textile mill products	-	38	18	1.6	9.6	1.5	2.3	7.9	18.8	25.7	43.7	1.7	1.2	8.8
	Apparel and other textile products	-	13	11	1.4	7.9	1.2	2.0	6.1	14.9	12.8	25.4	0.2	0.7	4.0
	Men's and boys' furnishings	-	6	6	0.7	3.7	0.6	1.1	2.9	5.7	6.3	11.0	(D)	(NA)	(NA)

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

For explanation of terms, see appendix B]

SIC code	County and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
23	Elmore County -----	-	53	9	1.3	10.7	1.0	1.9	7.8	28.4	20.9	47.9	(D)	0.8	7.5
	Apparel and other textile products -----	-	5	5	0.5	2.7	0.4	0.7	1.9	5.1	5.0	10.0	(Z)	(NA)	(NA)
	Escambia County -----	-	80	18	3.3	31.5	2.9	5.8	25.2	112.9	128.4	240.4	11.4	3.3	68.1
24	Lumber and wood products --	E1	44	7	0.7	6.2	0.6	1.3	5.0	12.4	22.0	34.1	(D)	0.8	8.0
	Etowah County (Coextensive with Gadsden, Ala., SMSA; see table 6.)														
	Fayette County -----	-	59	17	2.4	21.1	2.1	4.0	16.2	47.2	73.0	120.3	2.1	2.5	21.8
	Franklin County -----	-	61	18	2.4	21.5	2.1	3.9	16.8	37.8	76.8	114.2	3.4	2.0	20.9
23	Apparel and other textile products -----	-	6	4	1.0	6.2	0.9	1.6	5.7	8.9	8.0	16.7	(D)	0.8	3.7
2328	Men's and boys' work clothing -----	-	3	3	0.7	4.8	0.7	1.3	4.7	7.3	7.6	14.8	(D)	(NA)	(NA)
24	Lumber and wood products --	E2	22	5	0.6	5.3	0.5	1.0	4.1	10.0	22.8	32.6	0.6	0.6	8.3
245	Wood buildings and mobile homes -----	E2	4	3	0.5	4.6	0.4	0.8	3.5	8.3	20.9	29.1	0.4	0.5	7.8
2451	Mobile homes -----	E2	4	3	0.5	4.6	0.4	0.8	3.5	8.3	20.9	29.1	0.4	(NA)	(NA)
	Geneva County -----	-	41	11	1.7	10.2	1.5	2.7	8.7	25.2	27.5	52.4	1.0	1.7	23.5
	Hale County -----	-	27	7	0.6	4.6	0.3	0.6	1.9	8.2	18.1	26.2	0.6	1.0	7.0
	Henry County -----	-	41	12	2.2	14.0	2.1	3.4	11.7	53.1	95.1	150.4	1.3	(D)	(D)
242	Sawmills and planing mills -	E2	6	4	0.6	2.9	0.6	0.7	2.6	6.3	8.0	14.2	0.9	(NA)	(NA)
2421	Sawmills and planing mills, general -----	E2	6	4	0.6	2.9	0.6	0.7	2.6	6.3	8.0	14.2	0.9	(NA)	(NA)
	Houston County -----	-	107	42	7.5	63.0	5.9	11.8	43.6	162.5	218.1	376.2	11.1	6.4	78.9
20	Food and kindred products --	-	19	8	1.5	14.6	0.8	1.8	7.0	46.2	108.5	155.8	3.2	1.1	22.5
23	Apparel and other textile products -----	-	9	6	1.0	5.4	1.0	1.8	4.5	10.6	7.5	18.2	0.1	1.3	8.6
	Jackson County -----	-	65	31	5.8	67.0	4.8	9.7	50.2	157.1	295.9	454.6	12.2	4.7	79.1
22	Textile mill products -----	-	10	10	2.2	20.9	1.9	4.1	16.7	78.8	78.5	154.4	(D)	1.8	30.0
227	Floor covering mills -----	-	3	3	0.6	5.7	0.5	1.1	4.2	11.9	17.4	28.4	(D)	0.6	5.3
2272	Tufted carpets and rugs -	-	3	3	0.6	5.7	0.5	1.1	4.2	11.9	17.4	28.4	(D)	(NA)	(NA)
23	Apparel and other textile products -----	-	8	7	1.1	6.5	1.0	1.8	4.9	9.9	7.0	16.3	0.2	(NA)	(NA)
	Jefferson County -----	-	830	332	54.6	774.9	40.0	76.6	518.4	1 373.3	2 292.6	3 641.0	249.5	59.0	984.7
209	Miscellaneous foods and kindred products -----	-	11	7	1.1	14.0	0.5	1.0	4.3	27.2	45.4	71.4	(D)	0.9	15.3
24	Lumber and wood products --	E1	46	10	0.6	5.9	0.5	0.9	3.9	12.0	16.7	28.0	0.3	0.6	5.4
26	Paper and allied products ---	-	15	9	0.9	8.5	0.6	1.2	5.4	19.5	24.8	43.6	0.9	0.9	12.0
264	Miscellaneous converted paper products -----	-	10	5	0.5	5.2	0.4	0.8	3.5	10.2	14.3	24.0	0.5	0.5	7.0
275	Commercial printing -----	-	73	12	1.3	18.3	1.0	2.0	13.8	41.8	57.7	99.4	1.1	0.9	15.7
2752	Commercial printing, lithographic -----	-	34	10	1.1	15.8	0.8	1.6	12.1	36.9	54.3	91.0	0.7	(NA)	(NA)
332	Iron and steel foundries ---	-	19	16	6.0	90.8	4.7	9.7	67.0	182.4	217.5	392.5	(D)	7.1	102.8
3325	Steel foundries, n.e.c. ---	-	4	4	0.6	9.1	0.5	0.9	6.0	21.0	16.4	37.2	1.3	(NA)	(NA)
34	Fabricated metal products ---	-	152	76	9.9	129.0	7.5	14.9	82.4	313.4	294.4	604.4	13.5	8.9	153.6
353	Construction and related machinery -----	-	11	5	0.9	12.0	0.5	1.0	6.5	26.9	36.9	61.5	0.4	(NA)	(NA)
356	General industrial machinery -----	-	19	8	0.8	12.1	0.5	1.1	7.1	22.4	14.9	39.0	(D)	0.6	10.2
3599	Machinery, except electrical, n.e.c. -----	E2	54	8	0.5	5.9	0.4	0.8	4.3	10.3	5.8	16.1	0.9	(NA)	(NA)
399	Miscellaneous manufactures -----	-	17	5	0.5	4.3	0.4	0.7	2.8	11.3	17.1	28.4	0.7	(NA)	(NA)
-	Administrative and auxiliary --	-	20	13	1.2	22.3	-	-	-	-	-	-	-	(NA)	(NA)
	Lamar County -----	-	36	16	2.3	19.9	2.0	4.0	15.8	31.3	43.0	69.6	4.8	1.5	11.0
23	Apparel and other textile products -----	-	7	6	1.1	8.2	1.1	2.2	7.3	11.5	2.5	13.9	0.2	0.9	4.1
	Lauderdale County -----	-	81	29	4.2	33.0	3.4	6.5	24.1	73.7	81.0	154.2	8.9	3.2	33.3
232	Men's and boys' furnishings -----	E2	4	4	0.6	3.7	0.5	1.0	3.2	5.1	1.0	6.1	(D)	(NA)	(NA)
	Lee County -----	-	83	30	7.9	87.2	6.3	13.2	83.4	181.0	181.8	349.1	11.5	7.0	102.7
	Limestone County -----	-	38	17	3.7	35.6	3.3	6.4	29.1	67.6	89.8	152.4	(D)	2.5	41.3
23	Apparel and other textile products -----	-	5	5	1.0	5.2	0.9	1.4	4.4	7.4	1.7	9.0	(D)	(NA)	(NA)

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977											1972		
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Lowndes County -----	-	25	2	0.5	4.1	0.5	0.9	3.6	6.2	8.2	14.3	0.2	0.7	5.3
	Madison County -----	-	243	85	20.5	238.2	15.5	30.2	155.1	541.3	550.0	1 079.0	44.7	19.3	380.7
23	Apparel and other textile products -----	E1	12	6	0.6	3.2	0.5	0.8	2.7	3.2	2.3	5.6	(D)	(NA)	(NA)
32	Stone, clay, and glass products -----	-	16	6	0.7	8.8	0.5	0.9	5.7	22.7	13.6	36.1	(D)	0.6	10.3
34	Fabricated metal products ---	-	21	8	1.4	15.3	1.2	2.3	11.3	36.4	27.5	62.3	1.7	1.0	17.4
35	Machinery, except electrical --	-	45	12	1.5	17.7	0.9	1.8	8.2	33.5	24.0	54.2	2.0	0.7	10.7
36	Electric and electronic equipment -----	-	25	14	7.2	83.3	5.6	11.1	55.4	150.6	180.3	322.8	(D)	7.7	143.0
	Marango County -----	-	57	15	2.4	22.6	1.7	3.3	16.6	56.7	60.2	115.7	78.6	2.0	26.1
24	Lumber and wood products --	E1	35	7	0.6	3.6	0.5	0.8	2.9	4.5	9.7	14.1	(D)	0.5	4.0
	Marion County -----	-	51	23	5.2	40.9	4.3	7.9	30.2	121.3	140.3	259.6	4.3	4.5	78.8
23	Apparel and other textile products -----	-	10	9	2.4	14.0	2.2	3.7	12.4	32.5	20.3	52.9	0.6	2.4	19.4
24	Lumber and wood products --	-	21	5	0.7	6.2	0.6	1.1	4.1	13.1	25.7	38.9	(D)	0.9	14.6
245	Wood buildings and mobile homes -----	-	4	3	0.6	5.4	0.5	0.9	3.5	11.4	23.7	35.0	(D)	0.6	9.6
	Marshall County -----	-	111	40	7.4	64.2	6.3	11.6	49.3	129.3	377.1	506.2	(D)	6.0	66.2
20	Food and kindred products --	-	17	10	1.9	15.0	1.6	2.8	11.3	30.2	243.9	280.9	2.6	1.3	22.1
23	Apparel and other textile products -----	-	8	6	1.9	11.0	1.7	2.9	10.0	16.9	2.0	18.5	0.7	1.7	11.1
	Mobile County -----	-	411	124	24.7	339.8	18.5	36.7	229.8	829.2	1 263.5	2 076.7	226.0	20.1	433.6
20	Food and kindred products --	E1	48	18	1.9	19.8	1.0	2.2	8.9	40.3	71.9	111.7	(D)	1.5	22.0
208	Beverages -----	E2	4	4	0.7	8.7	0.2	0.5	2.5	13.8	16.4	30.2	(D)	(NA)	(NA)
24	Lumber and wood products --	-	63	18	1.5	13.5	1.3	2.6	9.9	27.9	49.4	77.1	2.8	1.6	17.4
242	Sawmills and planing mills --	-	10	6	0.8	7.6	0.7	1.6	6.2	16.4	25.4	41.5	(D)	0.8	8.3
28	Chemicals and allied products -----	-	30	17	3.6	58.6	2.4	5.1	35.8	184.4	337.2	507.7	(D)	2.6	99.5
29	Petroleum and coal products -	-	7	5	0.5	7.7	0.4	0.8	5.7	31.4	279.0	309.3	(D)	(NA)	(NA)
32	Stone, clay, and glass products -----	-	24	7	1.3	11.5	1.0	2.1	8.0	16.3	32.1	49.3	(D)	0.9	14.3
3443	Fabricated plate work (boiler shops) -----	-	7	4	1.1	15.7	0.9	1.7	11.8	22.1	10.1	32.1	1.3	(NA)	(NA)
35	Machinery, except electrical --	-	35	3	0.6	7.8	0.5	0.9	5.6	17.8	7.5	24.7	2.3	(NA)	(NA)
37	Transportation equipment ---	-	38	17	4.5	55.7	3.7	6.7	42.1	110.0	95.9	206.0	6.2	3.0	40.9
	Monroe County -----	-	50	13	3.1	26.3	2.8	5.4	20.4	59.4	130.6	187.3	5.7	2.4	24.5
	Montgomery County -----	-	226	80	10.6	105.1	7.8	15.7	68.9	264.7	359.9	617.5	21.3	8.8	126.0
24	Lumber and wood products --	-	67	10	0.6	5.8	0.5	1.1	3.9	14.9	16.7	30.8	0.7	0.9	10.4
25	Furniture and fixtures -----	-	11	6	0.5	4.5	0.5	0.8	3.1	9.1	8.0	17.0	0.6	0.6	5.7
27	Printing and publishing -----	E1	33	10	0.9	8.1	0.5	0.8	4.6	21.8	8.4	30.3	(D)	1.0	23.9
32	Stone, clay, and glass products -----	-	15	7	1.1	12.1	0.9	1.7	9.9	27.0	23.3	50.7	1.8	1.1	19.6
358	Refrigeration and service machinery -----	-	3	3	0.5	5.1	0.4	0.8	3.1	7.6	13.3	20.9	(D)	(NA)	(NA)
	Morgan County -----	-	148	55	11.2	148.4	8.1	16.3	95.2	443.0	1 079.8	1 537.7	91.7	10.8	310.1
20	Food and kindred products --	-	17	10	0.8	8.4	0.6	1.2	5.2	1.0	268.4	295.4	(D)	0.9	18.3
34	Fabricated metal products ---	-	15	9	0.6	7.0	0.5	1.3	4.7	13.5	12.7	25.7	1.1	0.6	9.6
	Pickens County -----	-	39	13	1.7	15.3	1.5	2.7	12.5	50.9	27.8	78.1	2.3	1.9	32.2
	Pike County -----	-	77	18	2.2	16.4	1.9	3.3	11.9	33.7	89.8	123.0	2.1	1.9	17.5
	Randolph County -----	-	48	15	2.4	17.9	2.2	3.8	14.9	31.1	34.0	65.5	1.0	2.2	19.2
22	Textile mill products -----	-	5	3	1.1	8.3	1.0	1.8	7.3	12.9	23.6	37.1	(D)	1.0	9.8
23	Apparel and other textile products -----	-	6	6	0.9	6.7	0.8	1.4	5.2	13.6	1.8	15.2	(D)	0.7	4.0
	Russell County -----	-	55	19	2.9	29.6	2.5	5.1	23.1	108.8	152.0	258.1	7.1	2.0	44.9
	St. Clair County -----	-	47	15	1.7	19.9	1.5	2.9	13.4	39.2	54.1	93.5	(D)	1.5	30.7

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

Indicates
For explanation of terms, see appendix B]

SIC code	County and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Shelby County -----	-	112	46	5.0	53.8	4.0	7.8	38.8	125.2	156.0	278.0	15.9	4.1	58.4
32	Stone, clay, and glass products -----	-	13	9	0.7	10.6	0.6	1.3	8.3	34.3	40.6	74.9	7.9	(NA)	(NA)
33	Primary metal industries -----	-	10	9	1.5	16.7	1.2	2.3	13.2	31.6	38.5	68.9	2.6	1.2	13.0
332	Iron and steel foundries ---	-	6	5	0.7	9.0	0.6	1.2	7.4	20.3	20.4	39.8	(D)	(NA)	(NA)
	Sumter County -----	-	29	8	1.3	10.0	1.1	2.2	8.3	24.2	26.2	49.4	2.1	1.4	21.9
24	Lumber and wood products --	-	15	4	0.8	6.3	0.7	1.3	5.4	14.6	17.7	31.6	(D)	0.8	14.9
	Talladega County -----	-	99	39	9.4	103.9	7.5	15.2	75.8	214.9	272.4	486.5	(D)	9.0	121.7
22	Textile mill products -----	-	12	11	4.6	39.6	4.1	8.1	33.4	70.3	139.1	210.3	6.8	4.3	52.9
	Tallapoosa County -----	-	103	28	8.4	63.9	7.7	15.3	56.7	99.0	184.8	275.9	18.4	9.2	87.3
	Tuscaloosa County (Coextensive with Tuscaloosa, Ala., SMSA; see table 6.)	-													
	Walker County -----	-	95	28	3.1	26.5	2.7	5.0	20.3	58.0	124.4	184.2	(D)	4.2	50.0
24	Lumber and wood products --	E1	40	4	0.6	6.6	0.6	1.2	5.4	13.5	17.0	30.5	1.2	0.6	8.1
	Winston County -----	-	96	31	4.2	35.2	3.3	6.2	24.1	68.7	108.2	176.6	2.7	5.4	77.3
23	Apparel and other textile products -----	-	5	4	1.0	7.0	0.7	1.2	4.0	10.0	4.5	14.6	(D)	1.0	6.6
24	Lumber and wood products --	-	46	12	1.6	13.9	1.3	2.5	9.8	25.9	67.5	93.7	0.9	3.9	51.7
245	Wood buildings and mobile homes -----	-	7	7	1.2	10.8	1.0	1.9	7.4	18.8	55.7	74.8	0.3	3.4	44.8
2451	Mobile homes -----	-	7	7	1.2	10.8	1.0	1.9	7.4	18.8	55.7	74.8	0.3	(NA)	(NA)
25	Furniture and fixtures -----	E1	23	7	0.6	4.3	0.5	0.9	3.5	13.5	12.4	26.0	0.3	(NA)	(NA)
251	Household furniture -----	E1	23	7	0.6	4.3	0.5	0.9	3.5	13.5	12.4	26.0	0.3	(NA)	(NA)

Note: "County" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹ Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
² Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

(includes Cities with 40,000 population or more; for explanation of terms, see appendix B)

SIC code	City and industry	1977											1972		
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
242 2421	Abbeville -----	-	28	7	1.4	9.4	1.3	2.2	8.3	46.8	92.2	141.0	1.2	(D)	(D)
	Sawmills and planing mills -	E2	6	4	0.6	2.9	0.6	0.7	2.6	6.3	8.0	14.2	0.9	(NA)	(NA)
	Sawmills and planing mills, general -----	E2	6	4	0.6	2.9	0.6	0.7	2.6	6.3	8.0	14.2	0.9	(NA)	(NA)
	Alabaster -----	-	12	7	0.9	8.5	0.8	1.5	6.5	17.3	18.5	35.2	0.9	0.8	11.3
	Albertville -----	-	33	10	2.2	17.4	2.0	3.8	14.3	31.3	69.2	97.3	5.9	2.3	23.0
	Aliceville -----	-	12	5	0.6	5.8	0.6	1.1	4.4	25.1	17.1	42.0	0.7	0.7	12.2
	Andalusia -----	-	40	8	1.9	15.0	1.6	2.8	11.1	30.7	39.4	66.8	3.6	2.4	16.6

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry	E ¹	1977											1972	
			All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
22 332	Anniston -----	-	79	33	5.9	61.4	4.8	9.2	47.4	139.0	117.8	254.4	(D)	8.3	104.0
	Textile mill products -----	-	5	4	0.8	6.8	0.7	1.3	5.7	12.1	10.3	22.4	0.7	0.9	10.4
	Iron and steel foundries ---	-	7	6	1.1	10.8	0.9	1.7	8.6	20.2	22.2	41.4	(D)	(NA)	(NA)
34	Fabricated metal products ---	-	15	8	2.4	28.2	2.0	3.8	22.5	68.3	49.5	116.8	(D)	(NA)	(NA)
	Arab -----	-	23	8	1.0	8.1	0.8	1.5	5.5	20.4	22.1	42.1	1.2	(D)	(D)
	Atmore -----	-	27	4	1.3	10.2	1.2	2.4	8.9	32.8	47.1	79.6	(D)	(D)	(D)
	Attalla -----	-	20	6	0.5	4.5	0.4	0.7	3.2	7.1	10.0	17.1	0.3	(NA)	(NA)
	Bay Minette -----	-	49	14	1.8	16.5	1.4	2.6	11.3	39.8	89.4	129.4	2.2	1.1	16.2
	Bayou La Batre -----	-	28	11	0.9	7.5	0.8	1.5	5.9	16.6	26.9	43.4	0.8	0.7	6.3
	Bessemer -----	-	49	18	3.4	47.0	2.8	5.3	36.8	72.6	169.3	226.8	10.4	4.3	58.8
	Birmingham -----	-	469	205	31.7	424.7	22.7	43.9	272.4	892.5	967.1	1 884.8	53.4	35.4	580.7
	Food and kindred products --	-	36	26	4.0	43.4	2.1	4.1	18.2	128.8	198.7	328.6	9.4	5.1	98.5
	Bakery products -----	-	7	7	1.0	9.3	0.6	1.0	4.3	23.5	16.1	39.6	0.7	(NA)	(NA)
20 205 208	Beverages -----	-	5	3	0.6	5.5	0.1	0.2	1.1	26.3	18.6	44.7	(D)	(NA)	(NA)
	Apparel and other textile products -----	E1	13	4	0.8	5.3	0.7	1.3	3.8	8.1	10.8	21.2	0.2	(NA)	(NA)
24	Lumber and wood products --	E1	21	7	0.5	4.5	0.4	0.7	2.7	9.2	13.5	21.9	0.2	(NA)	(NA)
25 251	Furniture and fixtures -----	-	11	7	1.0	8.6	0.9	1.4	6.8	16.8	17.3	33.8	0.7	1.2	14.1
	Household furniture -----	-	6	5	0.8	7.3	0.8	1.3	5.9	15.1	15.8	30.6	(D)	(NA)	(NA)
26	Paper and allied products ---	-	11	6	0.5	4.3	0.3	0.6	2.5	10.9	13.5	24.4	(D)	(NA)	(NA)
27	Printing and publishing -----	E1	81	18	1.7	21.3	1.0	1.8	11.7	47.5	22.1	69.7	2.2	1.8	32.4
32	Stone, clay, and glass products -----	-	31	17	1.0	13.5	0.8	1.6	9.4	33.3	27.2	61.1	5.7	1.2	24.7
33 331	Primary metal industries -----	-	37	25	9.1	149.3	7.2	14.1	111.7	252.7	331.9	586.2	18.9	11.2	183.9
	Blast furnace and basic steel products -----	-	14	9	3.9	70.1	3.2	5.8	53.9	109.4	143.3	259.2	5.8	(NA)	(NA)
3312 332	Blast furnaces and steel mills -----	-	9	6	3.3	62.8	2.7	5.0	49.7	101.7	115.9	223.6	(D)	(NA)	(NA)
	Iron and steel foundries ---	-	14	12	4.9	75.6	3.8	7.8	55.4	139.3	171.8	306.4	(D)	(NA)	(NA)
34 344	Fabricated metal products ---	-	87	48	7.5	99.7	5.7	11.1	62.6	251.9	197.2	448.7	10.8	6.8	120.2
	Fabricated structural metal products -----	-	52	29	3.6	47.2	2.5	5.0	28.0	145.4	126.3	272.8	5.3	(NA)	(NA)
3441	Fabricated structural metal -----	-	17	9	1.1	14.5	0.8	1.7	9.1	36.0	37.9	73.4	1.5	(NA)	(NA)
345	Screw machine products, bolts, etc. -----	-	4	4	0.7	8.6	0.5	0.9	6.3	19.7	9.7	29.1	0.4	(NA)	(NA)
3452	Bolts, nuts, rivets, and washers -----	-	4	4	0.7	8.6	0.5	0.9	6.3	19.7	9.7	29.1	0.4	(NA)	(NA)
349	Miscellaneous fabricated metal products -----	-	17	9	2.5	34.2	2.1	4.1	22.2	64.8	32.9	98.3	(D)	(NA)	(NA)
35	Machinery, except electrical --	-	54	13	1.5	20.1	1.0	2.1	12.8	40.8	37.2	78.0	1.5	1.6	24.7
37	Transportation equipment ---	-	12	7	2.3	29.8	1.7	3.3	20.5	44.8	29.9	75.1	1.3	3.4	37.8
20 23	Bridgeport -----	-	7	5	0.5	4.9	0.4	0.9	3.4	12.3	18.3	29.3	(D)	(NA)	(NA)
	Brundidge -----	-	12	7	0.9	6.8	0.7	1.3	4.3	13.1	41.9	54.7	(D)	0.9	5.6
	Clanton -----	-	37	6	1.0	7.0	0.7	1.2	4.4	14.6	16.8	32.4	0.8	0.8	5.0
	Cordova -----	-	11	5	0.8	9.1	0.7	1.4	6.9	17.6	23.0	42.5	1.2	0.7	8.9
	Cullman -----	-	61	21	4.8	41.1	4.2	7.9	32.0	88.2	140.1	220.4	10.7	4.2	47.9
	Decatur -----	-	106	42	9.8	132.7	7.2	14.3	88.8	428.3	1 059.4	1 502.9	89.9	8.7	291.1
	Demopolis -----	-	22	7	1.2	9.0	0.9	1.7	7.0	19.8	22.3	41.7	(D)	1.1	14.5
	Food and kindred products --	-	17	7	1.3	13.7	0.6	1.6	6.3	40.5	104.7	146.2	3.2	(NA)	(NA)
	Apparel and other textile products -----	-	5	3	0.7	4.0	0.7	1.3	3.4	8.8	6.9	15.8	(Z)	(NA)	(NA)
	Elba -----	-	21	7	1.8	17.2	1.4	2.6	12.1	31.5	65.7	97.2	1.1	1.8	20.3
23	Enterprise -----	-	29	11	1.8	14.1	1.6	3.2	10.5	30.4	91.1	122.8	(D)	1.3	17.9
	Eufaula -----	-	57	16	1.8	18.0	1.3	2.6	11.4	32.1	47.9	78.9	1.4	1.7	21.9
	Evergreen -----	-	49	8	0.9	7.2	0.7	1.3	5.1	14.0	11.4	25.4	0.6	1.2	10.3
	Florala -----	-	8	1	0.6	3.3	0.6	1.0	2.1	4.0	0.6	4.8	(D)	0.6	2.8
	Florence -----	-	65	26	3.8	30.5	3.0	5.8	22.1	66.4	76.4	142.2	(D)	2.6	28.6
	Apparel and other textile products -----	E1	5	5	0.9	5.7	0.8	1.5	5.0	8.0	2.7	10.7	0.2	(NA)	(NA)

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

Includes cities with no establishments in 1977 (see appendix B)															
SIC code	City and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
225	Foley -----	-	23	5	0.6	5.0	0.5	1.0	3.7	11.0	16.8	27.6	1.0	(NA)	(NA)
	Fort Payne-----	-	64	27	3.5	30.2	3.0	5.4	21.0	63.9	96.4	157.1	6.8	2.8	35.3
	Knitting mills -----	-	31	15	1.4	7.8	1.3	2.0	6.3	14.0	19.3	32.7	(D)	(NA)	(NA)
	Gadsden -----	-	58	26	10.5	159.2	8.3	16.2	120.9	366.9	433.7	793.0	36.6	9.5	251.2
	Geneva -----	-	13	3	0.8	5.5	0.7	1.4	4.7	11.5	11.8	23.3	0.6	1.1	15.1
	Greensboro -----	-	18	6	0.5	4.1	0.2	0.5	1.5	7.0	16.8	23.4	0.4	0.9	6.2
20	Greenville -----	-	50	13	1.8	13.1	1.5	2.8	10.3	27.0	38.8	64.8	1.3	1.4	10.2
	Guntersville -----	-	32	10	1.2	10.4	1.0	1.8	7.9	30.0	178.9	216.2	2.9	1.3	21.5
	Food and kindred products --	-	7	5	0.5	5.4	0.4	0.8	3.9	17.9	164.2	189.4	(D)	0.5	13.5
	Haleyville -----	-	53	19	2.5	20.6	1.9	3.6	14.0	40.8	49.5	90.4	1.5	3.5	48.1
	Hamilton -----	-	18	6	1.8	14.5	1.5	2.8	10.5	35.8	33.0	68.4	3.1	1.4	16.3
	Hartselle -----	-	24	10	0.9	7.3	0.7	1.4	5.4	12.4	18.1	30.2	1.6	(D)	(D)
	Headland -----	-	10	5	0.8	4.6	0.7	1.2	3.4	6.3	2.8	9.1	(D)	(NA)	(NA)
	Heflin -----	-	18	5	1.0	7.4	0.9	1.8	6.8	22.2	33.8	55.8	1.2	(D)	(D)
	Homewood -----	-	35	13	1.5	21.1	0.5	1.0	4.4	28.9	52.9	80.5	2.7	0.5	5.9
	Huntsville -----	-	189	66	17.2	202.5	13.1	25.9	134.0	436.0	416.3	836.2	42.9	18.1	341.5
	Machinery, except electrical --	-	34	11	1.3	15.4	0.8	1.5	6.9	27.6	18.2	43.1	1.8	0.7	10.2
	Electric and electronic equipment -----	-	20	12	7.0	81.9	5.4	10.8	54.3	148.9	179.3	320.0	(D)	(NA)	(NA)
	Transportation equipment ---	-	16	6	1.9	30.1	1.5	2.9	20.9	64.1	39.5	101.6	1.7	4.0	92.3
	Irondale -----	-	14	6	0.6	6.9	0.5	0.9	4.4	14.7	21.1	35.4	(D)	0.7	9.7
35	Jackson -----	-	25	6	1.5	15.9	1.3	2.4	12.7	42.1	39.9	81.8	(D)	1.7	27.7
	Jasper -----	-	57	18	1.8	13.9	1.6	2.8	10.5	34.2	98.1	132.0	(D)	2.1	28.0
	Lafayette -----	-	26	3	1.0	7.7	0.9	1.8	6.8	27.9	13.9	41.6	2.9	1.3	27.0
	Leeds -----	-	41	15	2.1	26.2	1.6	3.1	16.8	55.0	56.8	113.6	3.3	2.6	49.4
	Madison -----	-	19	4	0.5	4.0	0.3	0.6	2.5	7.7	7.5	14.7	0.2	(NA)	(NA)
	Mobile -----	-	241	75	17.2	236.1	13.1	25.5	162.7	542.0	716.2	1 252.5	76.4	14.0	282.4
	Food and kindred products --	E1	17	11	1.0	10.3	0.6	1.2	5.2	18.1	26.6	44.4	2.4	1.3	19.0
	Lumber and wood products --	-	31	9	0.9	8.2	0.8	1.6	6.0	17.3	29.0	46.1	2.0	1.1	13.2
	Sawmills and planing mills --	-	5	3	0.5	4.7	0.5	1.0	3.7	9.7	14.4	24.0	1.5	(NA)	(NA)
	Sawmills and planing mills, general -----	-	5	3	0.5	4.7	0.5	1.0	3.7	9.7	14.4	24.0	1.5	(NA)	(NA)
27	Printing and publishing -----	E1	45	4	0.7	6.9	0.4	0.7	3.9	18.5	6.7	25.2	0.2	0.6	11.0
327	Concrete, gypsum, and plaster products -----	-	14	4	1.0	7.3	0.8	1.7	4.5	8.7	19.6	28.1	4.3	(NA)	(NA)
344	Fabricated structural metal products -----	E1	9	3	1.0	14.1	0.9	1.6	10.8	18.9	7.6	26.4	1.2	(NA)	(NA)
35	Machinery, except electrical --	-	16	1	0.5	6.4	0.4	0.8	4.6	15.5	6.3	21.1	(D)	(NA)	(NA)
20	Monroeville -----	-	18	7	2.4	21.0	2.1	4.1	16.3	50.3	119.8	168.1	4.1	(D)	(D)
	Montevallo -----	-	13	5	0.5	5.8	0.4	0.8	3.7	16.8	34.5	50.4	(D)	(NA)	(NA)
	Montgomery -----	-	160	64	7.0	65.3	4.9	9.6	39.6	179.6	227.6	401.9	16.9	6.9	102.1
	Food and kindred products --	-	21	15	1.6	15.0	0.9	1.8	6.9	36.0	91.2	126.9	5.4	1.5	21.0
24	Lumber and wood products --	-	29	9	0.6	5.2	0.5	1.0	3.5	13.8	15.7	28.8	0.5	0.8	9.1
35	Machinery, except electrical --	-	12	3	0.8	9.3	0.5	1.1	5.2	21.1	19.5	38.4	(D)	0.7	8.3
23	Oneonta -----	-	20	3	0.9	6.5	0.8	1.2	5.6	21.4	39.7	58.1	(D)	0.8	14.8
	Opelika -----	-	64	27	7.6	85.1	6.1	12.7	61.8	176.9	177.4	340.9	10.8	6.9	100.2
	Opp -----	-	10	6	2.3	14.7	2.0	3.3	11.4	22.9	24.4	48.4	(D)	2.0	17.5
	Ozark -----	-	29	7	0.9	6.4	0.8	1.6	4.6	11.1	19.6	31.0	1.0	0.8	6.8
	Apparel and other textile products -----	-	4	3	0.5	2.8	0.4	0.9	2.0	5.9	7.1	13.7	(D)	0.5	3.7
	Phenix City -----	-	42	14	2.2	19.9	2.0	4.2	16.6	54.4	92.6	144.6	3.9	(D)	(D)
	Piedmont -----	-	29	11	1.4	10.2	1.3	2.3	8.7	22.0	24.2	45.7	(D)	1.1	11.1

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry	1977												1972	
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
23	Roanoke -----	-	30	8	1.8	13.7	1.7	2.9	11.5	25.3	24.4	50.1	0.8	1.5	11.5
233	Apparel and other textile products -----	E1	3	3	0.7	5.3	0.7	1.1	4.3	11.6	1.1	12.5	(D)	(NA)	(NA)
	Women's and misses' outerwear -----	E1	3	3	0.7	5.3	0.7	1.1	4.3	11.6	1.1	12.5	(D)	(NA)	(NA)
	Russellville -----	-	26	8	1.0	10.0	0.8	1.6	7.4	16.8	41.6	58.2	(D)	0.6	8.8
227	Scottsboro -----	-	28	15	3.7	45.7	2.9	6.1	33.8	113.8	228.0	344.9	(D)	3.6	54.7
2272	Floor covering mills -----	-	3	3	0.6	5.7	0.5	1.1	4.2	11.9	17.4	28.4	(D)	(NA)	(NA)
	Tufted carpets and rugs -	-	3	3	0.6	5.7	0.5	1.1	4.2	11.9	17.4	28.4	(D)	(NA)	(NA)
	Selma -----	-	73	27	5.0	41.2	4.2	7.2	28.0	92.9	131.7	219.8	(D)	(D)	(D)
20	Food and kindred products --	-	11	6	0.7	7.2	0.6	1.0	4.2	12.2	29.3	41.5	1.2	(NA)	(NA)
23	Apparel and other textile products -----	E1	4	4	1.2	7.0	1.1	1.9	5.4	11.5	5.0	15.0	(D)	(NA)	(NA)
	Talladega -----	-	45	19	4.2	38.6	3.7	7.3	30.9	83.6	83.0	165.8	4.2	3.8	41.7
	Tallassee -----	-	17	5	2.4	19.4	1.9	4.0	14.9	41.9	33.9	73.6	(D)	(D)	(D)
	Tarrant City -----	-	23	11	1.6	22.0	1.2	2.5	16.3	57.2	96.8	152.5	6.4	(D)	(D)
	Thomasville -----	-	25	4	0.6	4.2	0.6	1.0	3.6	7.0	4.9	12.0	(D)	(NA)	(NA)
	Troy -----	-	55	10	1.2	8.8	1.1	1.8	6.9	18.7	44.7	63.3	1.2	0.9	8.4
	Tuscumbia -----	-	23	7	1.5	13.1	1.3	2.8	9.9	22.4	26.2	48.9	1.3	(D)	(D)
	Union Springs -----	-	38	5	1.0	6.8	0.9	1.6	5.5	15.5	26.9	41.3	0.4	(D)	(D)
	Wetumpka -----	-	28	3	0.5	3.5	0.4	0.7	2.7	4.6	7.0	11.6	(D)	0.5	4.6
	Winfield -----	-	18	8	1.4	10.9	1.1	1.9	7.4	24.0	37.3	60.6	0.3	2.0	18.7
	York -----	-	8	3	0.5	2.6	0.4	0.8	2.1	8.3	6.1	14.1	0.2	0.7	7.5

Note: "City" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
ALABAMA	5863	385	3	180	345	1957	169	80	490	145	40	102	11	328	158	437	489	115	158	57	135	79
1 TO 4 EMPLOYEES	2757	116	-	25	53	1407	65	14	288	39	15	23	8	132	29	122	224	36	60	24	63	14
5 TO 9 EMPLOYEES	626	49	-	8	14	164	21	2	67	22	5	18	1	34	9	57	74	16	23	9	23	10
10 TO 19 EMPLOYEES	625	38	-	11	24	135	21	11	59	23	3	20	-	54	18	65	79	10	14	8	20	12
20 TO 49 EMPLOYEES	670	60	-	22	30	119	22	14	42	26	9	17	1	63	23	88	60	11	18	6	15	24
50 TO 99 EMPLOYEES	410	54	-	16	51	75	18	10	21	12	4	8	-	22	17	44	21	13	12	3	4	5
100 TO 249 EMPLOYEES	440	40	-	47	104	49	15	9	9	10	4	7	1	18	29	33	21	16	13	4	6	6
250 TO 499 EMPLOYEES	205	23	3	27	48	6	7	9	3	6	-	1	1	4	17	22	6	6	8	3	2	2
500 TO 999 EMPLOYEES	91	5	-	18	17	2	-	3	1	4	-	4	-	1	7	5	4	4	4	-	-	-
1000 TO 2499 EMPLOYEES	32	-	-	6	4	-	-	1	-	3	-	-	-	-	5	1	-	2	-	-	-	-
2500 EMPLOYEES AND OVER	7	-	-	-	-	-	-	-	-	-	-	1	-	-	4	-	-	1	-	-	-	-
AUTAUGA COUNTY	35	1	-	2	1	11	-	2	8	-	-	-	-	3	-	2	2	-	1	-	1	1
1 TO 19 EMPLOYEES	26	1	-	-	-	11	-	-	8	-	-	-	-	2	-	2	1	-	-	-	-	-
20 TO 99 EMPLOYEES	3	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	1
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
250 EMPLOYEES AND OVER	4	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALDWIN COUNTY	150	13	-	2	6	67	3	2	13	6	-	1	-	7	2	7	8	1	5	5	2	-
1 TO 19 EMPLOYEES	121	9	-	1	4	62	2	1	11	5	-	1	-	5	-	5	6	1	5	2	1	1
20 TO 99 EMPLOYEES	20	4	-	-	-	5	-	-	1	1	-	-	-	2	1	2	2	-	-	1	1	-
100 TO 249 EMPLOYEES	5	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	4	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BARBOUR COUNTY	78	2	-	3	4	52	-	-	3	1	-	1	-	4	1	1	3	1	-	-	1	1
1 TO 19 EMPLOYEES	58	1	-	-	-	46	-	-	3	1	-	1	-	2	1	-	3	1	-	-	1	1
20 TO 99 EMPLOYEES	14	-	-	1	2	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	5	-	-	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BIBB COUNTY	47	-	-	-	4	37	1	-	2	-	-	-	-	1	1	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES	34	-	-	-	1	29	-	-	2	-	-	-	-	1	1	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	9	-	-	-	1	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	3	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BLOUNT COUNTY	37	5	-	-	3	6	1	-	4	-	-	1	-	4	-	3	9	1	-	-	-	-
1 TO 19 EMPLOYEES	30	3	-	-	1	6	-	-	4	-	-	-	-	3	-	2	8	1	-	-	-	-
20 TO 99 EMPLOYEES	4	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BULLOCK COUNTY	47	2	-	2	-	37	-	-	2	-	-	-	-	1	-	1	-	1	-	-	1	-
1 TO 19 EMPLOYEES	42	1	-	-	-	37	-	-	2	-	-	-	-	1	-	1	-	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BUTLER COUNTY	106	1	-	2	8	79	5	-	2	-	-	1	-	4	-	1	2	-	1	-	-	-
1 TO 19 EMPLOYEES	88	1	-	-	1	74	5	-	2	-	-	-	-	3	-	1	1	-	-	-	-	-
20 TO 99 EMPLOYEES	10	-	-	-	4	3	-	-	-	-	-	-	-	1	-	1	1	-	-	-	-	-
100 TO 249 EMPLOYEES	6	-	-	2	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CALHOUN COUNTY	155	6	-	12	11	34	4	1	13	3	-	1	-	5	11	20	19	5	1	3	3	3
1 TO 19 EMPLOYEES	92	4	-	2	3	29	2	1	10	2	-	-	-	3	5	9	14	4	1	2	1	2
20 TO 99 EMPLOYEES	37	1	-	3	5	5	1	-	2	-	-	-	-	2	2	7	7	1	-	-	-	-
100 TO 249 EMPLOYEES	12	1	-	4	2	-	-	-	1	-	-	-	-	-	-	4	1	-	-	-	-	-
250 EMPLOYEES AND OVER	14	1	-	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHAMBERS COUNTY	67	-	-	12	1	38	1	1	3	-	-	-	-	2	-	2	3	-	-	-	-	-
1 TO 19 EMPLOYEES	46	-	-	-	-	37	1	-	2	-	-	-	-	-	-	2	2	-	-	-	-	-
20 TO 99 EMPLOYEES	6	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES	4	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	11	-	-	9	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHEROKEE COUNTY	20	3	-	2	3	8	-	-	1	1	-	-	-	1	-	1	1	-	-	-	-	-
1 TO 19 EMPLOYEES	14	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 — Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
CHILTON COUNTY	62	4	-	1	4	32	4	1	2	1	-	-	-	2	2	1	2	2	1	-	3	-
1 TO 19 EMPLOYEES	52	4	-	-	1	31	3	-	2	1	-	-	-	2	2	-	2	1	1	-	2	-
20 TO 99 EMPLOYEES	4	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
100 TO 249 EMPLOYEES	5	-	-	1	3	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHOCTAW COUNTY	57	-	-	-	4	49	-	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	45	-	-	-	-	43	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	6	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	3	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	3	-	-	-	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLARKE COUNTY	93	-	-	-	4	72	7	1	3	-	-	-	-	1	-	1	2	-	-	-	-	-
1 TO 19 EMPLOYEES	77	-	-	-	-	64	5	-	3	-	-	-	-	-	-	1	2	-	1	-	-	1
20 TO 99 EMPLOYEES	8	-	-	-	-	5	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1
100 TO 249 EMPLOYEES	4	-	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	4	-	-	-	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLAY COUNTY	35	1	-	-	5	25	-	-	1	-	-	1	-	1	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	27	1	-	-	1	22	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	3	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	3	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLEBURNE COUNTY	27	1	-	-	3	18	-	-	3	-	-	-	-	1	-	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES	22	-	-	-	-	18	-	-	2	-	-	-	-	-	-	-	1	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	3	1	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COFFEE COUNTY	61	8	-	2	5	20	-	-	6	-	-	1	-	4	2	1	7	1	3	-	1	-
1 TO 19 EMPLOYEES	42	4	-	1	3	18	-	-	5	-	-	-	-	4	2	-	4	-	1	-	1	-
20 TO 99 EMPLOYEES	12	3	-	1	1	2	-	-	1	-	-	-	-	4	2	1	3	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	5	1	-	1	1	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-
COLBERT COUNTY	94	6	-	1	2	8	2	1	6	5	1	4	-	6	9	16	13	4	5	-	3	2
1 TO 19 EMPLOYEES	58	3	-	1	1	4	2	1	6	2	1	3	-	4	1	12	8	4	3	-	2	-
20 TO 99 EMPLOYEES	25	3	-	-	-	4	-	-	-	1	-	-	-	2	2	3	5	4	2	-	1	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	9	-	-	-	1	-	-	-	-	1	-	-	-	5	-	1	-	-	-	-	-	-
CONECUH COUNTY	60	2	-	-	2	44	-	-	2	-	-	1	1	2	-	1	2	-	2	-	1	-
1 TO 19 EMPLOYEES	54	1	-	-	-	43	-	-	2	-	-	1	1	2	-	1	2	-	2	-	-	-
20 TO 99 EMPLOYEES	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	3	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COOSA COUNTY	45	-	-	2	2	32	1	-	2	-	-	-	-	-	-	1	-	1	-	-	4	-
1 TO 19 EMPLOYEES	36	-	-	1	1	30	-	-	2	-	-	-	-	-	-	1	-	-	-	-	3	-
20 TO 99 EMPLOYEES	6	-	-	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
100 TO 249 EMPLOYEES	2	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COVINGTON COUNTY	75	5	-	2	9	37	2	1	3	1	-	-	-	5	-	-	5	-	2	-	3	-
1 TO 19 EMPLOYEES	58	3	-	-	1	35	2	-	3	1	-	-	-	4	-	-	5	-	2	-	2	-
20 TO 99 EMPLOYEES	6	2	-	-	-	1	-	1	-	-	-	-	-	1	-	-	-	-	-	-	1	-
100 TO 249 EMPLOYEES	5	-	-	-	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	6	-	-	2	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CRENSHAW COUNTY	46	1	-	-	3	39	-	-	2	-	-	-	-	-	-	1	-	-	-	-	-	-
1 TO 19 EMPLOYEES	38	-	-	-	-	35	-	-	2	-	-	-	-	-	-	1	-	-	-	-	-	-
20 TO 99 EMPLOYEES	5	1	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CULLMAN COUNTY	88	11	1	1	10	18	2	3	4	4	-	1	-	4	1	14	7	3	1	-	-	3
1 TO 19 EMPLOYEES	60	8	-	1	5	15	1	1	3	3	-	1	-	4	1	8	3	3	1	-	-	3
20 TO 99 EMPLOYEES	15	2	-	1	1	3	1	2	1	1	-	-	-	-	-	2	2	2	-	-	-	-
100 TO 249 EMPLOYEES	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	10	1	1	-	4	-	-	-	-	-	-	-	-	-	-	3	1	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tab- lish- ments	Establishments in major industry groups																		39	CAO's
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37		
DALE COUNTY.	44	-	-	1	4	27	2	-	1	1	-	-	-	5	-	-	2	-	1	-	-
1 TO 19 EMPLOYEES.	35	-	-	-	1	25	1	-	1	-	-	-	-	5	-	-	1	-	-	-	-
20 TO 99 EMPLOYEES.	5	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	4	-	-	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DALLAS COUNTY.	89	11	1	-	4	36	2	1	5	2	1	-	-	5	3	4	8	1	2	-	3
1 TO 19 EMPLOYEES.	61	5	-	-	-	32	1	-	4	1	1	-	-	3	2	2	6	-	1	-	3
20 TO 99 EMPLOYEES.	12	4	-	-	-	3	-	-	1	-	-	-	-	1	1	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	8	1	-	-	1	1	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-
250 EMPLOYEES AND OVER.	8	1	1	-	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DE KALB COUNTY.	103	3	-	38	13	14	4	-	8	-	-	2	2	2	-	8	2	2	2	-	1
1 TO 19 EMPLOYEES.	58	2	-	20	7	11	3	-	8	-	-	2	2	2	-	4	1	1	1	-	1
20 TO 99 EMPLOYEES.	29	-	-	13	2	1	-	-	-	-	-	-	-	-	-	3	1	-	-	-	-
100 TO 249 EMPLOYEES.	10	1	-	4	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	6	1	-	1	2	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	1
ELMORE COUNTY.	53	1	-	2	5	30	-	-	3	-	1	1	-	7	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	44	1	-	1	4	30	-	-	3	-	1	1	-	6	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	6	-	-	1	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ESCAMBIA COUNTY.	80	2	-	3	3	44	-	1	6	2	-	-	-	6	2	3	6	-	1	-	1
1 TO 19 EMPLOYEES.	62	2	-	2	1	37	-	-	5	2	-	-	-	5	1	3	5	-	-	-	-
20 TO 99 EMPLOYEES.	10	-	-	2	-	4	-	-	1	-	-	-	-	1	1	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	4	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	4	-	-	1	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
ETOWAH COUNTY.	100	10	-	3	4	15	4	1	9	5	2	1	1	8	4	14	13	2	2	1	1
1 TO 19 EMPLOYEES.	59	5	-	1	1	12	3	1	7	4	2	-	-	5	2	7	3	-	-	-	-
20 TO 99 EMPLOYEES.	23	2	-	1	3	3	-	-	2	1	-	-	-	1	1	-	1	-	-	-	-
100 TO 249 EMPLOYEES.	11	1	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	7	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FAYETTE COUNTY.	59	4	-	2	11	25	1	-	3	-	-	1	-	-	-	2	5	-	2	-	1
1 TO 19 EMPLOYEES.	42	3	-	1	5	24	1	-	3	-	-	-	-	-	-	1	1	-	1	-	1
20 TO 99 EMPLOYEES.	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	5	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FRANKLIN COUNTY.	61	5	-	-	6	22	12	-	2	-	-	-	-	5	1	2	3	-	2	-	1
1 TO 19 EMPLOYEES.	43	3	-	-	2	17	11	-	2	-	-	-	-	4	1	2	3	-	1	-	-
20 TO 99 EMPLOYEES.	10	2	-	-	3	3	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	6	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GENEVA COUNTY.	41	7	-	4	8	10	1	-	1	-	-	2	-	3	-	2	2	-	-	-	-
1 TO 19 EMPLOYEES.	30	7	-	3	2	9	1	-	1	-	-	-	-	3	-	1	1	-	-	-	-
20 TO 99 EMPLOYEES.	4	-	-	-	1	1	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	5	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GREENE COUNTY.	19	-	-	-	2	13	-	1	1	1	-	-	-	-	-	-	1	-	-	-	-
1 TO 19 EMPLOYEES.	16	-	-	-	1	13	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HALE COUNTY.	27	6	-	-	3	8	1	-	2	2	-	-	-	1	-	-	3	-	-	-	-
1 TO 19 EMPLOYEES.	20	3	-	-	1	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	6	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HENRY COUNTY.	41	2	-	-	3	25	1	-	4	1	-	-	-	3	-	-	2	-	-	-	-
1 TO 19 EMPLOYEES.	29	1	-	-	-	19	-	-	3	1	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	8	1	-	-	1	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	3	-	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HOUSTON COUNTY.	107	19	1	1	9	13	5	3	8	4	-	1	-	10	2	8	9	3	3	2	4
1 TO 19 EMPLOYEES.	65	11	-	-	3	9	3	3	6	1	-	-	-	9	2	3	7	1	1	1	1
20 TO 99 EMPLOYEES.	20	1	-	-	1	3	1	-	2	3	-	-	-	1	-	5	2	-	-	-	-
100 TO 249 EMPLOYEES.	13	5	-	-	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	9	2	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
		CAO's	CAO's	CAO's	CAO's	CAO's	CAO's	CAO's	CAO's	CAO's	CAO's	CAO's	CAO's	CAO's	CAO's	CAO's	CAO's	CAO's	CAO's	CAO's	CAO's
JACKSON COUNTY	65	2	-	10	8	23	2	1	4	1	-	-	3	1	4	3	3	-	-	-	-
1 TO 19 EMPLOYEES	34	2	-	-	1	19	2	-	3	1	-	-	2	1	-	2	1	-	-	-	-
20 TO 99 EMPLOYEES	14	-	-	2	4	4	-	-	-	-	-	-	1	-	-	1	1	-	-	-	-
100 TO 249 EMPLOYEES	9	-	-	5	1	-	-	-	-	-	-	-	-	-	2	-	1	-	-	-	-
250 EMPLOYEES AND OVER	8	-	-	3	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
JEFFERSON COUNTY	830	56	-	5	19	46	26	15	120	28	8	16	1	55	55	152	119	28	20	15	26
1 TO 19 EMPLOYEES	498	19	-	3	13	36	13	6	97	16	5	11	1	1	24	76	93	17	12	11	21
20 TO 99 EMPLOYEES	223	21	-	2	2	9	8	8	20	9	2	4	-	23	15	48	19	10	4	4	4
100 TO 249 EMPLOYEES	70	11	-	-	2	1	3	1	1	1	1	-	-	8	9	20	6	-	2	-	10
250 EMPLOYEES AND OVER	39	5	-	-	1	-	2	1	2	-	-	-	-	-	14	8	1	1	2	-	2
LAMAR COUNTY	36	2	-	-	7	19	1	-	2	-	-	1	-	-	-	-	2	1	-	-	1
1 TO 19 EMPLOYEES	20	2	-	-	1	15	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	7	-	-	-	1	2	1	-	-	-	-	1	-	-	-	-	1	-	-	-	1
100 TO 249 EMPLOYEES	6	-	-	-	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	3	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
LAUDERDALE COUNTY	81	7	-	2	6	9	4	1	11	1	1	4	-	6	5	10	4	-	7	1	2
1 TO 19 EMPLOYEES	52	5	-	-	2	9	2	-	10	1	1	4	-	2	3	7	3	-	5	1	1
20 TO 99 EMPLOYEES	17	1	-	-	2	-	2	1	1	1	1	-	-	3	2	3	1	-	2	-	-
100 TO 249 EMPLOYEES	8	1	-	1	1	-	1	-	-	-	-	-	-	1	2	-	-	-	2	-	-
250 EMPLOYEES AND OVER	4	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
LAWRENCE COUNTY	18	1	-	-	7	3	-	1	2	-	-	-	-	3	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES	9	1	-	-	2	1	-	-	2	-	-	-	-	3	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	3	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	4	-	-	-	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
LEE COUNTY	83	3	-	4	4	24	-	5	6	4	2	4	-	6	2	3	7	1	1	-	6
1 TO 19 EMPLOYEES	53	1	-	-	2	20	-	3	4	3	1	1	-	4	2	2	7	-	1	-	4
20 TO 99 EMPLOYEES	18	1	-	1	1	4	-	2	2	1	1	2	-	2	2	1	-	-	-	-	1
100 TO 249 EMPLOYEES	5	2	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	7	-	-	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LIMESTONE COUNTY	38	4	-	-	5	5	-	-	4	-	1	-	-	-	-	4	4	5	3	2	1
1 TO 19 EMPLOYEES	21	1	-	-	-	4	-	-	4	-	1	-	-	-	-	2	4	1	2	1	1
20 TO 99 EMPLOYEES	5	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	5	-	-	-	4	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
250 EMPLOYEES AND OVER	7	2	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-
LOWNDES COUNTY	25	-	-	1	1	19	-	-	1	-	-	1	-	-	-	-	-	1	1	-	-
1 TO 19 EMPLOYEES	23	-	-	1	1	19	-	-	1	-	-	1	-	-	-	-	-	1	1	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MACON COUNTY	18	1	-	-	3	9	-	-	3	-	1	-	-	1	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	15	1	-	-	1	9	-	-	3	-	-	-	-	1	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	3	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADISON COUNTY	243	10	-	1	12	14	3	3	29	2	-	5	1	16	5	21	45	25	22	9	14
1 TO 19 EMPLOYEES	158	3	-	-	6	10	1	1	26	1	-	3	-	10	1	13	33	11	14	7	14
20 TO 99 EMPLOYEES	46	4	-	-	4	3	1	1	2	1	-	3	-	5	2	3	8	6	3	2	-
100 TO 249 EMPLOYEES	20	3	-	-	2	1	-	-	1	-	-	1	-	1	2	2	3	3	2	-	-
250 EMPLOYEES AND OVER	19	-	-	1	-	-	-	-	1	1	-	1	1	1	1	3	1	5	3	-	-
MARENGO COUNTY	57	3	-	-	2	35	1	3	3	1	-	1	-	2	2	-	2	-	-	-	2
1 TO 19 EMPLOYEES	42	2	-	-	-	28	-	2	3	1	-	1	-	1	2	-	2	-	-	-	1
20 TO 99 EMPLOYEES	9	1	-	-	-	6	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	3	-	-	-	1	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	3	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
MARION COUNTY	51	4	-	2	10	21	1	1	-	1	-	2	-	3	-	1	3	-	1	1	-
1 TO 19 EMPLOYEES	28	3	-	-	1	16	1	1	-	1	-	1	-	3	-	-	1	-	1	1	-
20 TO 99 EMPLOYEES	6	1	-	-	1	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	8	-	-	1	4	2	1	-	-	-	-	-	-	-	-	1	-	-	1	-	-
250 EMPLOYEES AND OVER	9	-	-	1	4	1	-	-	-	-	-	1	-	-	-	-	2	-	-	-	-
MARSHALL COUNTY	111	17	-	7	8	11	2	1	11	2	2	9	-	6	1	5	22	3	3	-	1
1 TO 19 EMPLOYEES	71	7	-	3	2	10	-	2	11	1	2	7	-	3	-	4	1	1	3	-	-
20 TO 99 EMPLOYEES	20	6	-	-	1	2	1	-	1	1	-	2	-	2	-	1	18	1	3	-	-
100 TO 249 EMPLOYEES	11	-	-	3	3	1	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-
250 EMPLOYEES AND OVER	9	4	-	1	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufacturing products; 22--textile millinery and apparel products; 23--lumber and wood products; 24--stone, clay, and glass products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--transportation equipment; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B)

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

(Major group descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																					
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's	
TALLAPOOSA COUNTY.	103	2	-	14	6	61	-	-	4	1	-	-	-	3	2	2	4	-	2	-	1	1	
1 TO 19 EMPLOYEES.	75	1	-	1	2	57	-	-	3	1	-	-	-	2	-	2	4	-	2	-	1	-	
20 TO 99 EMPLOYEES.	13	1	-	5	1	3	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	
100 TO 249 EMPLOYEES.	7	-	-	3	1	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	
250 EMPLOYEES AND OVER.	8	-	-	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TUSCALOOSA COUNTY.	135	13	-	2	4	47	3	2	12	4	6	3	-	7	4	11	8	1	1	1	2	4	
1 TO 19 EMPLOYEES.	85	5	-	1	-	33	3	-	9	2	2	2	-	5	2	7	7	1	1	1	1	3	
20 TO 99 EMPLOYEES.	31	4	-	-	-	13	-	-	3	1	3	-	-	2	-	3	1	-	-	-	1	-	
100 TO 249 EMPLOYEES.	10	4	-	-	4	1	-	-	-	1	-	-	-	1	-	-	-	-	-	-	1	-	
250 EMPLOYEES AND OVER.	9	1	-	1	-	-	-	2	-	1	-	1	-	-	1	1	-	-	-	-	-	1	
WALKER COUNTY.	95	6	-	2	6	40	8	-	5	1	1	-	-	9	-	6	6	1	2	-	2	-	
1 TO 19 EMPLOYEES.	67	3	-	1	-	36	5	-	4	1	-	-	-	6	-	3	4	1	2	-	1	-	
20 TO 99 EMPLOYEES.	19	2	-	-	3	2	-	-	1	-	1	-	-	3	-	2	2	-	-	-	-	-	
100 TO 249 EMPLOYEES.	5	-	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER.	4	1	-	-	2	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	
WASHINGTON COUNTY.	40	-	-	-	2	33	1	-	1	3	-	-	-	-	-	-	-	-	-	-	-	-	
1 TO 19 EMPLOYEES.	32	-	-	-	-	29	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
20 TO 99 EMPLOYEES.	4	-	-	-	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
100 TO 249 EMPLOYEES.	2	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER.	2	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	
WILCOX COUNTY.	62	-	-	-	2	56	-	1	1	-	-	-	-	1	-	1	-	-	-	-	-	-	
1 TO 19 EMPLOYEES.	56	-	-	-	-	53	-	-	1	-	-	-	-	1	-	1	-	-	-	-	-	-	
20 TO 99 EMPLOYEES.	3	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
100 TO 249 EMPLOYEES.	2	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
WINSTON COUNTY.	96	1	-	-	5	46	23	-	2	-	-	3	-	-	-	5	3	-	3	-	3	2	
1 TO 19 EMPLOYEES.	65	1	-	-	1	34	16	-	1	-	-	2	-	-	-	2	3	-	1	-	3	1	
20 TO 99 EMPLOYEES.	21	-	-	-	2	9	5	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	
100 TO 249 EMPLOYEES.	6	-	-	-	1	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER.	4	-	-	-	1	1	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	

Note: Data on number of establishments by employment size class by 4-digit SIC industry for States, counties, and selected cities are presented in Location of Manufacturing Plants data series. This series is available only on computer tape (see Introduction).
- Represents zero.
¹Only those counties and size classes that include data for manufacturing establishments are shown.

Alaska

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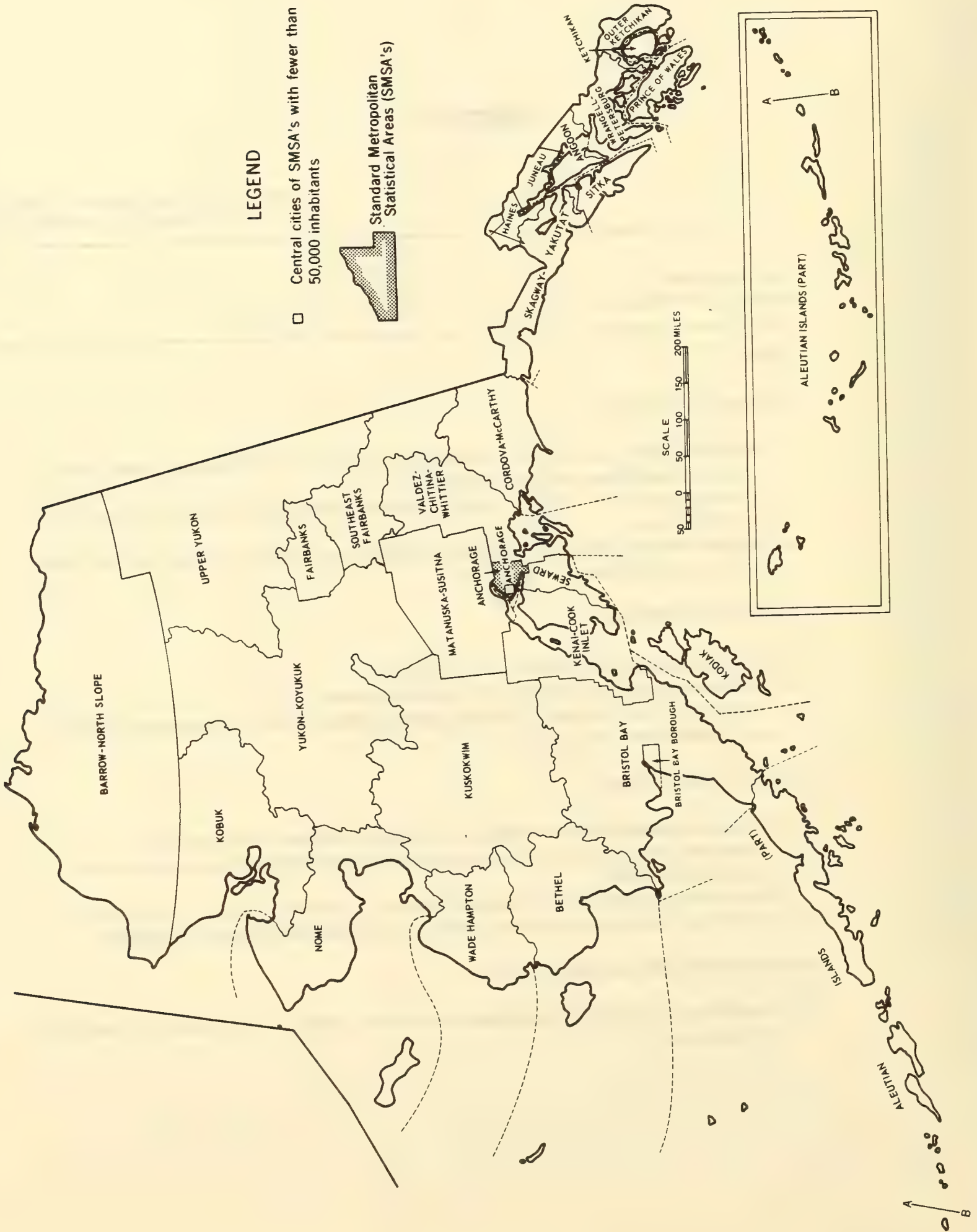
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ALASKA



SUMMARY OF FINDINGS

In 1977, 11.4 thousand persons were employed in Alaska's manufacturing establishments. This figure represented an increase of 50 percent from the 1972 figure of 7.6 thousand workers.

The total value added by manufacture for the State amounted to \$504 million in 1977, an increase of approximately 197 percent from the 1972 figure of \$170 million. All dollar figures in this report are in current dollars and are, therefore, not adjusted for changes in price levels.

In the State, the most important industry groups ranked by employment were food and kindred products and lumber and wood products. They accounted for approximately 68 percent of the State's 1977 employment. These same industry groups were in the forefront for 1972 when they accounted for approximately 69 percent of the State's employment.

The most important divisions in the State ranked by employ-

ment were Anchorage, Kodiak, Ketchikan, and Kenai-Cook Inlet. They accounted for approximately 56 percent of the State's 1977 manufacturing employment. The order has shifted from 1972 when Ketchikan, Anchorage, Kodiak, and Kenai-Cook Inlet accounted for approximately 57 percent of the State's employment.

The methods of data collection and use of administrative records data are discussed in detail in the Introduction. Small single-unit companies with up to 20 employees (the cutoff varied by industry) were excluded from the mail portion of the census. For these establishments (and a small number of larger establishments whose reports were not received in time to be tabulated), statistics on payrolls and receipts were obtained from administrative records of other government agencies. Other statistics were developed from industry averages. For this State, these establishments accounted for 1 percent of the total value of shipments.

Table 1. Historical Employment Statistics for Operating Manufacturing Establishments and Central Administrative Offices: 1977 and Earlier Years

(For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

State, standard metropolitan statistical area, and year	All establishments		Operating manufacturing establishments		Central administrative offices and auxiliaries ¹	
	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)
Alaska:						
1977.....	11.4	172.0	11.3	169.9	.1	2.1
1972.....	7.6	77.3	(D)	(D)	(D)	(D)
1967.....	7.6	55.6	7.6	55.2	(Z)	.4
1963.....	5.8	39.7	5.8	39.6	(Z)	.2
STANDARD METROPOLITAN STATISTICAL AREA						
Anchorage; ²						
1977.....	2.0	28.2	1.9	27.0	.1	1.2
1972.....	1.3	14.5	1.3	14.2	(Z)	.3

(D) Withheld to avoid disclosing operations of individual companies. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Defined in appendix B. Data for these establishments are included at the total manufacturing level in each table in this report. Data for these establishments are shown separately in tables 5 and 9 and included in State, SMSA, division, or city totals in other tables.

²This SMSA was defined after the 1967 census.

Table 2a. Historical Statistics for the State and Selected Standard Metropolitan Statistical Areas: 1977 and Earlier Years

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Establishments ²		All employees ²		Production workers							Comparative indexes and U.S. employment				
	Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)					Value added by manu- facture (million dollars)	Cost of materials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)	Percent of U.S. manufac- turing employ- ment (per- cent)
								Index of manufac- turing employ- ment change (1977= 100)	U.S. manu- facturing employ- ment (1,000)							
	ALASKA															
1977 CENSUS.	429	128	11.4	172.0	9.3	16.9	126.7	504.2	767.2	1 250.3	178.1	.06	100	100	19 596.9	
1976 ASM....	(NA)	(NA)	7.9	120.6	6.2	11.5	90.1	503.6	495.4	991.8	170.6	.04	69	96	18 753.0	
1975 ASM....	(NA)	(NA)	8.0	113.4	6.3	12.2	84.2	449.2	389.5	827.7	121.6	.04	70	94	18 302.2	
1974 ASM....	(NA)	(NA)	8.0	102.0	6.9	12.4	77.6	370.1	328.3	672.9	49.8	.04	70	102	19 844.8	
1973 ASM....	(NA)	(NA)	8.4	90.0	6.8	12.7	69.1	245.3	252.9	487.3	42.7	.04	74	102	19 897.9	
1972 CENSUS.	342	91	7.5	75.1	6.1	11.6	56.5	170.4	191.8	366.1	21.8	.04	66	98	19 028.7	
1971 ASM....	(NA)	(NA)	7.7	80.1	6.0	11.6	59.0	197.7	237.6	429.5	18.5	.04	67	94	18 363.1	
1970 ASM....	(NA)	(NA)	7.9	78.0	6.3	11.8	59.9	174.9	210.8	382.9	23.4	.04	69	99	19 217.2	
1969 ASM....	(NA)	(NA)	6.3	54.8	5.1	9.7	40.6	133.8	177.8	314.6	15.3	.03	55	103	20 035.5	
1968 ASM....	(NA)	(NA)	6.5	51.1	5.4	10.0	38.2	113.7	172.5	309.8	14.3	.03	57	100	19 527.6	
1967 CENSUS.	323	95	7.6	55.6	6.3	11.7	42.7	130.4	147.8	278.2	14.7	.04	67	99	19 323.2	
1966 ASM....	(NA)	(NA)	7.1	51.8	5.9	11.6	42.2	131.1	155.3	284.8	12.2	.04	62	98	19 024.5	
1965 ASM....	(NA)	(NA)	6.3	45.3	5.2	10.5	36.4	112.2	130.9	242.3	12.6	.03	55	92	18 010.2	
1964 ASM....	(NA)	(NA)	5.3	39.2	4.3	8.4	29.8	87.9	115.8	203.9	6.1	.03	46	89	17 268.5	
1963 CENSUS.	303	73	5.8	39.7	4.7	9.2	30.5	85.0	(NA)	(NA)	14.5	.03	51	87	16 958.4	

(NA) Not available.

¹In annual survey of manufactures (ASM) years, data are estimates based on a representative sample of establishments canvassed annually and may differ from results of a complete canvass of all establishments. ASM publication shows percentage standard errors. Unless otherwise noted, for data prior to 1963, see 1963 Census of Manufactures, vol. III, table 1 of State chapter.

²Including central administrative offices and auxiliaries (for definition, see appendix B).

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 2b. Selected Operating Ratios for the State and Selected Standard Metropolitan Statistical Areas: 1977 and Earlier Years

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials as percent of value of shipments (percent)	Cost of materials and payroll as percent of value of shipments (percent)	Value added per employee (dollars)	Payroll as percent of value added (percent)	Value added per production worker hour (dollars)
ALASKA									
1977 CENSUS.....	15 087	82	1 805	7.50	61	75	44 134	34	29.91
1976 ASM.....	15 266	78	1 855	7.83	50	62	63 747	24	43.79
1975 ASM.....	14 175	79	1 937	6.90	47	61	56 150	25	36.82
1974 ASM.....	12 750	86	1 797	6.26	49	64	46 263	28	29.85
1973 ASM.....	10 714	81	1 868	5.44	52	70	29 202	37	19.31
1972 CENSUS.....	10 013	81	1 902	4.87	52	73	22 720	44	14.69
1971 ASM.....	10 403	78	1 933	5.09	55	74	25 675	41	17.04
1970 ASM.....	9 873	80	1 873	5.08	55	75	22 139	45	14.82
1969 ASM.....	8 698	81	1 902	4.19	57	74	21 238	41	13.79
1968 ASM.....	7 862	83	1 852	3.82	53	72	17 492	45	11.37
1967 CENSUS.....	7 316	83	1 857	3.65	67	73	17 157	43	11.15
1966 ASM.....	7 296	83	1 966	3.64	55	73	18 465	40	11.30
1965 ASM.....	7 190	83	2 019	3.47	54	73	17 810	40	10.69
1964 ASM.....	7 396	81	1 953	3.55	57	76	16 585	45	10.46
1963 CENSUS.....	6 845	81	1 957	3.32	(NA)	(NA)	14 655	47	9.24

Note: For qualifications to data, see footnotes on table 2a.

(NA) Not available.

Table 3a. Summary Statistics for the State: 1977 and 1972

[For explanation of terms, see appendix B]

Item	Unit of measure	1977	1972
All establishments ¹ -----	number-----	429	342
With 1 to 19 employees-----	do-----	301	251
With 20 to 99 employees-----	do-----	101	81
With 100 employees or more-----	do-----	27	10
All employees, average for year ¹ -----	1,000-----	11.4	7.6
Payroll for year, all employees ¹ -----	mil. dollars--	172.0	77.3
Production workers:-----	1,000-----	9.3	6.2
Average for year-----	do-----	7.3	4.0
March-----	do-----	9.3	6.3
May-----	do-----	12.7	8.4
August-----	do-----	8.0	5.4
November-----	do-----		
Hours-----	millions-----	16.9	11.9
January to March-----	do-----	3.0	1.9
April to June-----	do-----	4.4	3.2
July to September-----	do-----	5.9	4.3
October to December-----	do-----	3.6	2.4
Wages-----	mil. dollars--	126.7	58.5
Cost of materials, etc. ² -----	do-----	767.2	204.7
Materials, parts, containers, etc., consumed-----	do-----	697.6	183.3
Resales-----	do-----	33.3	8.9
Fuels consumed-----	do-----	19.7	6.9
Purchased electric energy-----	do-----	5.8	1.3
Contract work-----	do-----	10.7	4.3
Value of shipments, including resales ² -----	do-----	1 250.3	379.8
Value of resales-----	do-----	36.5	11.3
Value added by manufacture-----	do-----	504.2	171.2
Manufacturers' inventories:-----	do-----		
Beginning of year-----	do-----	117.6	54.2
Finished products-----	do-----	51.0	23.4
Work in process-----	do-----	20.1	2.8
Materials, supplies, fuel, etc.-----	do-----	46.6	28.0
End of year-----	do-----	159.7	45.2
Finished products-----	do-----	80.4	15.5
Work in process-----	do-----	30.7	3.1
Materials, supplies, fuel, etc.-----	do-----	48.5	26.6
Capital expenditures for plant and equipment-----	do-----	180.4	24.9
New capital expenditures-----	do-----	178.1	22.1
New buildings and other structures-----	do-----	21.0	4.6
New machinery and equipment-----	do-----	157.1	17.6
Used capital expenditures-----	do-----	2.3	2.8

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies.

¹Including central administrative offices and auxiliaries (for definition, see appendix B).

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 3b. Supplemental State Statistics Based on Sample Estimates: 1977

(For explanation of terms, see appendix B. For description of annual survey of manufactures (ASM), see appendix F)

Item	Amount (million dollars)	Standard error of estimate (percent)	Item	Amount (million dollars)	Standard error of estimate (percent)
Gross value of depreciable assets:			Rental payments:		
Total:			Total.....	(11.9)	15
Beginning of year.....	692.3	2	Buildings and other structures.....	(3.8)	45
New capital expenditures.....	190.3	11	Machinery and equipment.....	8.1	9
Used capital expenditures.....	(5.7)	55			
Retirements.....	11.5	14	Depreciation charges during 1977:		
End of year.....	876.9	2	Total.....	35.3	8
Buildings and other structures:			Buildings and other structures.....	(11.2)	24
Beginning of year.....	165.4	4	Machinery and equipment.....	24.1	5
New capital expenditures.....	20.1	8			
Used capital expenditures.....	(3.1)	82	Supplemental labor costs:		
Retirements.....	(1.2)	20	Total.....	28.9	5
End of year.....	187.4	4	Legal costs.....	16.2	7
Machinery and equipment:			Voluntary costs.....	12.7	5
Beginning of year.....	526.9	4			
New capital expenditures.....	170.3	12	Purchased services:		
Automobiles, trucks, etc., for highway use...	2.8	(NA)	Cost of purchased services for the repair of--		
Computers and peripheral data processing equip.	0.1	(NA)	Buildings and other structures.....	(4.0)	23
All other.....	170.1	(NA)	Response coverage ratio (percent).....	52	(X)
New machinery and equipment, n.s.k.....	(S)	(NA)	Machinery.....	(17.0)	50
Used capital expenditures.....	(2.7)	33	Response coverage ratio (percent).....	54	(X)
Retirements.....	(10.4)	16	Cost of purchased communication services.....	(1.0)	43
End of year.....	689.5	2	Response coverage ratio (percent).....	55	(X)

Note: Expenditures data, shown in tables 2a, 3a, and 4-8, are census universe figures and may differ from ASM sample estimates shown in this table. Table 3b figures represent best estimate of year-to-year change as measured by continuing ASM sample, but are subject to sampling errors. Hence, as estimates of level, they are not as reliable as universe figures. (NA) Not available. n.s.k. Not specified by kind.

(X) Not applicable.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Divisions, and Selected Cities: 1977 and 1972

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area		1977										1972		
		All establishments ²		All employees ²		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
		Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)						
Alaska -----	-	429	128	11.4	172.0	9.3	16.9	126.7	504.2	767.2	1 250.3	178.1	7.5	170.4
STANDARD METROPOLITAN STATISTICAL AREAS														
Anchorage -----	E1	141	25	2.0	28.2	1.3	2.4	15.6	61.6	78.0	138.6	8.7	1.3	25.5
DIVISIONS														
Aleutian Islands -----	-	18	14	1.0	13.0	0.9	1.8	9.7	56.0	72.6	131.8	5.4	0.3	4.9
Anchorage -----	E1	141	25	2.0	28.2	1.3	2.4	15.6	61.6	78.0	138.6	8.7	1.3	25.5
Angoon -----	-	2	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Barrow-North Slope -----	-	1	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Bethel -----	E0	4	-	(Z)	0.1	(Z)	(Z)	0.1	0.4	0.7	1.1	(Z)	(Z)	(NA)
Bristol Bay Borough -----	-	5	5	0.2	2.3	0.2	0.4	2.0	15.2	11.2	26.3	0.7	0.2	3.1
Bristol Bay Division -----	-	10	6	0.3	4.2	0.3	0.7	3.4	13.6	17.6	31.1	0.4	0.2	6.2
Cordova-McCarthy -----	-	8	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	3.8
Fairbanks -----	-	34	3	0.3	6.0	0.2	0.4	4.2	9.2	21.0	29.4	(D)	0.2	3.7
Haines -----	E9	7	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Juneau -----	E1	10	4	0.2	2.2	0.1	0.3	1.5	3.7	1.6	5.3	1.3	0.1	1.3
Kenai-Cook Inlet -----	-	43	13	1.1	15.6	0.9	1.6	12.4	105.9	263.0	364.7	(D)	0.5	24.2
Ketchikan -----	E1	29	15	1.6	27.5	1.3	2.1	21.8	67.0	61.9	113.7	(D)	1.6	29.7
Kodiak -----	E1	31	16	1.7	16.7	1.5	2.7	13.3	42.2	82.5	124.7	5.0	0.9	15.8
Kuskokwim -----	E0	1	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Matanuska-Susitna -----	E1	12	1	0.1	1.3	0.1	0.2	1.0	3.6	3.0	6.3	(D)	(Z)	(NA)
Nome -----	-	5	-	(Z)	0.1	(Z)	(Z)	0.1	1.1	1.3	2.4	0.1	(D)	(D)
Outer Ketchikan -----	-	2	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Prince of Wales -----	E3	9	4	0.4	6.3	0.4	0.6	5.7	13.5	13.7	26.2	2.8	0.1	3.2
Seward -----	-	8	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Sitka -----	-	12	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Skagway-Yakutat -----	-	3	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Southeast Fairbanks -----	E0	3	-	(Z)	(Z)	(Z)	(Z)	(Z)	0.1	0.1	0.2	(D)	(D)	(D)
Valdez-Chitina-Whittier -----	E0	1	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Wade Hampton -----	E6	4	1	0.1	0.6	0.1	0.1	0.5	1.0	2.6	3.6	(D)	0.1	1.2
Wrangell-Petersburg -----	E1	24	10	0.9	14.3	0.8	1.4	11.5	25.0	69.8	93.9	3.0	0.6	10.4
Yukon-Koyukuk -----	-	2	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CITIES														
Anchorage City-Borough -----	E1	141	25	2.0	28.2	1.3	2.4	15.6	61.6	78.0	138.6	8.7	1.2	22.3
Ketchikan -----	-	27	14	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Kodiak -----	E1	25	15	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.7	12.4
Sitka City-Borough -----	-	12	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Including central administrative offices and auxiliaries (for definition, see appendix B).

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977												1972	
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital ex- pendi- tures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
20	All Industries -----	-	429	128	11.4	172.0	9.3	16.9	126.7	504.2	767.2	1 250.3	178.1	7.6	171.2
	Food and kindred products -----	-	118	70	5.4	61.2	4.8	8.4	46.6	199.3	314.7	516.5	17.6	3.3	57.9
209	Miscellaneous foods and kindred products -----	-	103	64	5.1	54.7	4.7	8.1	43.5	185.1	298.0	485.6	(D)	2.8	49.3
2091	Canned and cured seafoods -	-	40	28	2.0	20.6	1.9	3.3	17.2	78.6	102.8	181.1	4.2	1.6	29.8
2092	Fresh or frozen packaged fish -----	-	56	36	3.0	33.9	2.8	4.8	26.1	105.6	194.2	302.7	13.2	1.2	19.1

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]															
SIC code	Industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
24	Lumber and wood products -----	E1	82	34	2.4	42.5	2.1	3.9	35.6	69.5	75.4	142.5	7.5	1.7	29.4
2411	Logging camps and logging contractors -----	E2	49	22	1.5	27.5	1.4	2.3	23.8	42.3	19.6	61.5	5.5	EE	(D)
242	Sawmills and planing mills -----	-	22	8	0.7	12.1	0.6	1.2	9.8	22.3	47.7	68.9	(D)	BB	(D)
2421	Sawmills and planing mills, general -----	-	21	8	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
26	Paper and allied products -----	-	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2611	Pulp mills -----	-	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
27	Printing and publishing -----	E2	61	8	0.9	11.3	0.5	0.9	6.0	21.3	9.0	30.4	1.7	0.6	9.6
2711	Newspapers -----	E1	24	5	0.6	7.8	0.3	0.5	3.8	14.9	5.0	19.8	1.2	BB	(D)
275	Commercial printing -----	E4	31	3	0.2	2.7	0.2	0.3	1.8	5.3	3.2	8.5	(D)	(NA)	(NA)
28	Chemicals and allied products -----	-	6	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
287	Agricultural chemicals -----	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2873	Nitrogenous fertilizers -----	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
32	Stone, clay, and glass products -----	E1	33	3	0.3	4.5	0.2	0.4	3.1	9.1	17.5	26.4	(D)	0.3	6.2
327	Concrete, gypsum, and plaster products -----	E1	30	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3273	Ready-mixed concrete -----	E1	18	2	0.2	3.4	0.2	0.3	2.5	4.7	13.7	18.4	(D)	AA	(D)

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Statistics for some industry groups and industries are withheld to avoid disclosing figures for individual companies. However, for such industry groups and industries with 150 employees or more, number of establishments is shown and employment size range is indicated by one of the following symbols: AA—150 to 249 employees; BB—250 to 499 employees; CC—500 to 999 employees; EE—1,000 to 2,499 employees; FF—2,500 employees or more. Statistics for industry groups shown include data for all component industries, regardless of whether data are shown for individual industries in the group.
³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Includes industry groups and industries with 250 employees or more within SMSA's and SMSA's with 250 employees or more within SMSA's and SMSA														
---	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (S) Withheld because estimate did not meet publication standards.
 (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 7. **Statistics by Selected Industry Group and Industry for Selected Divisions: 1977 and 1972**

[Includes divisions with 450 employees or more and industry groups and industries with 450 employees or more within divisions, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	Division and industry	1977												1972	
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
20 209	Aleutian Islands Division ----	-	18	14	1.0	13.0	0.9	1.8	9.7	56.0	72.6	131.8	5.4	0.3	4.9
	Food and kindred products --	-	16	14	1.0	12.8	0.9	1.8	9.7	56.0	72.6	131.8	5.4	(NA)	(NA)
	Miscellaneous foods and kindred products -----	-	16	14	1.0	12.8	0.9	1.8	9.7	56.0	72.6	131.8	5.4	(NA)	(NA)
	Anchorage Division (Coextensive with Anchorage, Alaska, SMSA; see table 6.)														
20 209	Kenai-Cook Inlet Division ----	-	43	13	1.1	15.6	0.9	1.6	12.4	105.9	263.0	364.7	(D)	0.5	24.2
	Food and kindred products --	E1	13	8	0.5	4.4	0.5	0.8	4.0	14.2	19.1	33.0	0.6	(NA)	(NA)
	Miscellaneous foods and kindred products -----	E1	13	8	0.5	4.4	0.5	0.8	4.0	14.2	19.1	33.0	0.6	(NA)	(NA)
2411	Ketchikan Division -----	-	29	15	1.6	27.5	1.3	2.1	21.8	67.0	61.9	113.7	(D)	1.6	29.7
	Logging camps and logging contractors ----	E2	14	9	0.5	8.7	0.5	0.7	7.5	13.8	5.8	19.5	1.8	(NA)	(NA)
20 209	Kodiak Division -----	-	31	16	1.7	16.7	1.5	2.7	13.3	42.2	82.5	124.7	5.0	0.9	15.8
	Food and kindred products --	E1	22	15	1.6	15.3	1.5	2.5	12.3	40.7	82.2	122.8	(D)	0.9	15.4
	Miscellaneous foods and kindred products -----	E1	22	15	1.6	15.3	1.5	2.5	12.3	40.7	82.2	122.8	(D)	0.9	15.1
	Wrangell-Petersburg Division -	-	24	10	0.9	14.3	0.8	1.4	11.5	25.0	69.8	93.9	3.0	0.6	10.4
20	Food and kindred products --	-	6	4	0.5	5.5	0.5	0.6	4.2	14.8	38.4	53.2	(D)	(NA)	(NA)

Note: "Division" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 8. **Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972**

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry	1977												1972	
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Anchorage City-Borough ----	-	141	25	2.0	28.2	1.3	2.4	15.6	61.6	78.0	138.6	8.7	1.2	22.3

Note: "City" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Divisions: 1977

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Divisions: 1977 - Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B)

State, division, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO ²
MATANUSKA-SUSITNA DIVISION	12	-	-	-	-	5	-	-	2	1	-	1	-	1	-	-	1	1	-	-	-	-
1 TO 19 EMPLOYEES	11	-	-	-	-	4	-	-	2	1	-	1	-	1	-	-	1	1	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NOME DIVISION	5	3	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	5	3	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
OUTER KETCHIKAN DIVISION	2	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PRINCE OF WALES DIVISION	9	4	-	-	-	4	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES	5	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
20 TO 99 EMPLOYEES	3	1	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SEWARD DIVISION	8	1	-	-	-	3	-	-	1	-	-	-	-	1	-	-	-	-	1	-	1	-
1 TO 19 EMPLOYEES	6	-	-	-	-	2	-	-	1	-	-	-	-	1	-	-	-	-	1	-	1	-
20 TO 99 EMPLOYEES	1	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SITKA DIVISION	12	3	-	-	-	3	-	1	1	-	-	-	-	1	-	-	1	-	1	-	-	1
1 TO 19 EMPLOYEES	8	2	-	-	-	1	-	-	1	-	-	-	-	1	-	-	1	-	1	-	-	1
20 TO 99 EMPLOYEES	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SKAGWAY-YAKUTAT DIVISION	3	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	3	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTHEAST FAIRBANKS DIVISION	3	-	-	-	-	1	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	3	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
VALDEZ-CHITINA-WHITTIER DIV	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WADE HAMPTON DIVISION	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WRANGELL-PETERSBURG DIV.	24	6	-	-	11	-	-	2	-	-	-	-	-	1	-	-	2	-	2	-	-	-
1 TO 19 EMPLOYEES	14	2	-	-	5	-	-	2	-	-	-	-	-	1	-	-	2	-	2	-	-	-
20 TO 99 EMPLOYEES	7	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
YUKON-KOYUKUK DIVISION	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: Data on number of establishments by employment size class by 4-digit SIC industry for States, divisions, and selected cities are presented in Location of Manufacturing Plants data series. This series is available only on computer tape (see Introduction).

- Represents zero.

¹Only those divisions and size classes that include data for manufacturing establishments are shown.



Arizona

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ARIZONA



LEGEND

- Places of 100,000 or more inhabitants
- Places of 50,000 to 100,000 inhabitants
- Places of 25,000 to 50,000 inhabitants outside SMSA's



Standard Metropolitan
Statistical Areas (SMSA's)

0 20 40 60 80 100 MILES
SCALE

SUMMARY OF FINDINGS

In 1977, 110.9 thousand persons were employed in Arizona's manufacturing establishments. This figure represented an increase of 18 percent from the 1972 figure of 93.9 thousand workers.

The total value added by manufacture for the State amounted to \$3,333 million in 1977, an increase of approximately 77 percent from the 1972 figure of \$1,880 million. All dollar figures in this report are in current dollars and are, therefore, not adjusted for changes in price levels.

In the State, the most important industry groups ranked by employment were electric and electronic equipment; machinery, except electrical; transportation equipment; and primary metal industries. They accounted for approximately 52 percent of the State's 1977 employment. These same industry groups were in the forefront for 1972 when they accounted for approximately 52 percent of the State's employment.

The most important counties in the State ranked by employment, were Maricopa, Pima, Pinal, and Gila. They accounted for approximately 90 percent of the State's 1977 manufacturing employment. In 1972, these same counties accounted for approximately 91 percent of the State's employment.

The methods of data collection and use of administrative records are discussed in detail in the Introduction. Small single-unit companies with up to 20 employees (the cutoff varied by industry) were excluded from the mail portion of the census. For these establishments (and a small number of larger establishments whose reports were not received in time to be tabulated), statistics on payrolls and receipts were obtained from administrative records of other government agencies. Other statistics were developed from industry averages. For this State, these establishments accounted for 5 percent of the total value of shipments.

Table 1. Historical Employment Statistics for Operating Manufacturing Establishments and Central Administrative Offices: 1977 and Earlier Years

(For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

State, standard metropolitan statistical area, and year	All establishments		Operating manufacturing establishments		Central administrative offices and auxiliaries ¹	
	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)
Arizona:						
1977.....	110.9	1,462.9	105.9	1,374.5	5.0	88.4
1972.....	93.9	855.1	92.2	830.5	1.7	24.6
1967.....	76.8	543.2	75.7	533.1	1.1	10.1
1963.....	56.9	347.5	56.4	342.7	.6	4.8
STANDARD METROPOLITAN STATISTICAL AREAS						
Phoenix:						
1977.....	84.6	1,135.2	80.1	1,054.9	4.5	80.3
1972.....	71.9	673.6	70.6	653.0	1.3	19.6
1967.....	59.3	433.4	58.6	426.1	.7	7.3
1963.....	40.9	253.1	40.4	249.3	.4	3.8
Tucson:						
1977.....	11.1	143.6	10.9	141.1	.2	2.5
1972.....	9.1	80.6	(D)	(D)	(D)	(D)
1967.....	8.5	59.8	(D)	(D)	(D)	(D)
1963.....	8.3	50.8	8.2	50.8	-	-

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies.

¹Defined in appendix B. Data for these establishments are included at the total manufacturing level in each table in this report. Data for these establishments are shown separately in tables 5 and 9 and included in State, SMSA, county, or city totals in other tables.

Table 2a. Historical Statistics for the State and Selected Standard Metropolitan Statistical Areas: 1977 and Earlier Years

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see Appendix A in the 1977 Census of Manufacturing.															
Year ¹	Establishments ²		All employees ²		Production workers							Comparative indexes and U.S. employment			
	Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)	Value added by manu- facture (million dollars)	Cost of materials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)	Percent of U.S. manufac- turing employ- ment (per- cent)	Index of State employ- ment change (1977= 100)	United States	
														Index of manufac- turing employ- ment change (1977= 100)	U.S. manu- facturing employ- ment (1,000)
ARIZONA															
1977 CENSUS.	2 892	677	110.9	1 462.9	69.8	135.0	780.7	3 332.9	3 773.4	7 022.4	213.7	.57	100	100	19 596.9
1976 ASM....	(NA)	(NA)	99.0	1 237.1	62.5	120.1	651.7	2 882.4	3 368.2	6 232.9	183.2	.53	89	96	18 753.0
1975 ASM....	(NA)	(NA)	95.4	1 099.0	59.7	112.4	567.3	2 600.7	2 914.3	5 517.0	292.9	.52	86	94	18 302.2
1974 ASM....	(NA)	(NA)	108.9	1 146.3	70.7	134.0	604.7	2 787.4	3 113.2	5 742.3	247.1	.55	98	102	19 844.8
1973 ASM....	(NA)	(NA)	104.4	1 003.2	68.4	133.0	550.5	2 397.5	2 648.6	4 939.7	219.4	.52	94	102	19 897.9
1972 CENSUS.	2 037	597	93.9	855.1	62.3	121.1	481.5	1 879.6	2 233.7	4 041.2	198.4	.49	85	98	19 028.7
1971 ASM....	(NA)	(NA)	82.6	721.1	52.4	102.3	387.3	1 384.6	1 775.7	3 180.7	142.2	.45	75	94	18 363.1
1970 ASM....	(NA)	(NA)	88.8	713.7	54.7	110.1	374.0	1 436.8	1 797.8	3 175.3	116.5	.46	80	99	19 217.2
1969 ASM....	(NA)	(NA)	91.2	696.1	59.2	117.5	375.6	1 275.1	1 663.4	2 922.6	118.4	.46	82	103	20 035.5
1968 ASM....	(NA)	(NA)	82.0	601.1	54.6	109.6	330.1	1 129.7	1 267.8	2 419.0	107.2	.42	74	100	19 527.6
1967 CENSUS.	1 630	424	76.8	543.2	50.8	101.8	308.6	995.3	1 003.9	2 003.7	109.9	.40	69	99	19 323.2
1966 ASM....	(NA)	(NA)	71.0	498.0	47.4	97.7	287.0	926.5	1 077.5	1 960.4	78.5	.37	64	98	19 024.5
1965 ASM....	(NA)	(NA)	61.1	407.1	40.7	83.8	234.3	717.9	980.7	1 686.5	52.0	.34	55	92	18 010.2
1964 ASM....	(NA)	(NA)	59.8	374.8	39.9	81.3	221.5	654.3	876.6	1 518.8	39.2	.35	54	89	17 268.5
1963 CENSUS.	1 518	339	56.9	347.5	38.6	77.5	210.5	627.1	(NA)	(NA)	49.5	.34	51	87	16 958.4
PHOENIX SMSA															
1977 CENSUS.	1 976	488	84.6	1 135.2	51.1	99.4	577.2	2 558.6	2 092.8	4 586.6	156.5	.43	100	100	19 596.9
1976 ASM....	(NA)	(NA)	70.3	907.3	42.6	81.9	452.3	2 061.8	1 639.6	3 644.4	122.7	.37	83	96	18 753.0
1975 ASM....	(NA)	(NA)	68.6	821.4	41.0	77.6	398.1	1 897.8	1 472.5	3 399.8	83.8	.37	81	94	18 302.2
1974 ASM....	(NA)	(NA)	80.8	876.0	49.8	96.4	442.9	1 983.0	1 539.5	3 476.5	118.1	.41	95	102	19 844.8
1973 ASM....	(NA)	(NA)	80.7	794.6	51.0	99.1	414.1	1 757.1	1 391.7	3 089.6	100.2	.41	95	102	19 897.9
1972 CENSUS.	1 367	411	71.9	673.6	46.4	90.4	365.5	1 379.0	1 199.9	2 543.5	81.5	.38	85	98	19 028.7
1971 ASM....	(NA)	(NA)	63.7	577.1	39.0	76.4	300.0	1 046.5	935.0	1 999.6	54.4	.35	75	94	18 363.1
1970 ASM....	(NA)	(NA)	69.7	575.0	41.6	83.6	290.9	1 012.4	903.9	1 904.2	74.2	.36	82	99	19 217.2
1969 ASM....	(NA)	(NA)	72.4	565.0	45.5	90.7	294.1	946.3	927.5	1 872.2	57.6	.36	86	103	20 035.5
1968 ASM....	(NA)	(NA)	65.5	488.4	41.9	84.0	254.8	873.7	734.9	1 642.6	68.4	.34	77	100	19 527.6
1967 CENSUS.	1 063	296	59.3	433.4	37.0	75.1	228.1	773.3	615.8	1 396.4	89.4	.31	70	99	19 323.2
1966 ASM....	(NA)	(NA)	56.3	398.5	36.6	75.5	217.2	719.1	569.7	1 248.0	66.6	.30	67	98	19 024.5
1965 ASM....	(NA)	(NA)	48.2	325.7	31.5	64.7	180.0	537.3	479.1	1 015.3	38.6	.27	57	92	18 010.2
1964 ASM....	(NA)	(NA)	44.7	286.7	28.4	58.3	159.6	486.7	420.9	893.2	28.6	.26	53	89	17 268.5
1963 CENSUS.	975	233	40.9	253.1	26.3	52.9	142.8	435.6	(NA)	(NA)	38.3	.24	48	87	16 958.4

(NA) Not available.

¹In annual survey of manufactures (ASM) years, data are estimates based on a representative sample of establishments canvassed annually and may differ from results of a complete canvass of all establishments. ASM publication shows percentage standard errors. Unless otherwise noted, for data prior to 1963, see 1963 Census of Manufactures, vol. III, table 1 of State chapter.

²Including central administrative offices and auxiliaries (for definition, see appendix B).

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 2b. **Selected Operating Ratios for the State and Selected Standard Metropolitan Statistical Areas: 1977 and Earlier Years**

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials as percent of value of shipments (percent)	Cost of materials and payroll as percent of value of shipments (percent)	Value added per employee (dollars)	Payroll as percent of value added (percent)	Value added per production worker hour (dollars)
ARIZONA									
1977 CENSUS.....	13 195	63	1 935	5.78	54	75	30 062	44	24.68
1976 ASM.....	12 496	63	1 922	5.43	54	74	29 115	43	24.00
1975 ASM.....	11 520	63	1 883	5.05	53	73	27 261	42	23.14
1974 ASM.....	10 526	65	1 895	4.51	54	74	25 596	41	20.80
1973 ASM.....	9 609	66	1 944	4.14	54	74	22 965	42	18.03
1972 CENSUS.....	9 106	66	1 944	3.98	55	76	20 017	45	15.52
1971 ASM.....	8 730	63	1 952	3.79	56	78	16 763	52	13.53
1970 ASM.....	8 037	62	2 013	3.40	57	79	16 180	50	13.05
1969 ASM.....	7 633	65	1 985	3.20	57	81	13 981	55	10.85
1968 ASM.....	7 330	67	2 007	3.01	52	77	13 777	53	10.31
1967 CENSUS.....	7 073	66	2 004	3.03	50	77	12 960	55	9.78
1966 ASM.....	7 014	67	2 061	2.94	55	80	13 049	54	9.48
1965 ASM.....	6 663	67	2 059	2.80	58	82	11 750	57	8.57
1964 ASM.....	6 268	67	2 038	2.72	58	82	10 941	57	8.05
1963 CENSUS.....	6 107	68	2 008	2.72	(NA)	(NA)	11 021	55	8.09
PHOENIX SMSA									
1977 CENSUS.....	13 411	60	1 947	5.81	46	70	30 227	44	25.73
1976 ASM.....	12 906	61	1 923	5.52	45	70	29 329	44	25.17
1975 ASM.....	11 974	60	1 893	5.13	43	67	27 665	43	24.46
1974 ASM.....	10 842	62	1 936	4.59	44	69	24 542	44	20.57
1973 ASM.....	9 846	63	1 943	4.18	45	71	21 773	45	17.73
1972 CENSUS.....	9 369	65	1 948	4.04	47	74	19 179	49	15.25
1971 ASM.....	9 060	61	1 959	3.93	47	76	16 429	55	13.70
1970 ASM.....	8 250	60	2 010	3.48	47	78	14 525	57	12.11
1969 ASM.....	7 804	63	1 993	3.24	50	80	13 070	60	10.43
1968 ASM.....	7 456	64	2 005	3.03	45	74	13 339	56	10.40
1967 CENSUS.....	7 309	62	2 030	3.04	44	75	13 040	56	10.30
1966 ASM.....	7 078	65	2 063	2.88	46	78	12 773	55	9.52
1965 ASM.....	6 757	65	2 054	2.78	47	79	11 147	61	8.30
1964 ASM.....	6 414	64	2 053	2.74	47	79	10 888	59	8.35
1963 CENSUS.....	6 188	64	2 011	2.70	(NA)	(NA)	10 650	58	8.23

Note: For qualifications to data, see footnotes on table 2a.
(NA) Not available.

Table 3a. Summary Statistics for the State: 1977 and 1972

[For explanation of terms, see appendix B]

Item	Unit of measure	1977	1972
All establishments ¹ -----	number -----	2 892	2 037
With 1 to 19 employees -----	do -----	2 215	1 440
With 20 to 99 employees -----	do -----	505	450
With 100 employees or more -----	do -----	172	147
All employees, average for year ¹ -----	1,000 -----	110.9	93.9
Payroll for year, all employees ¹ -----	mil. dollars --	1 462.9	855.1
Production workers:-----			
Average for year -----	1,000 -----	69.8	62.3
March -----	do -----	67.5	60.6
May -----	do -----	69.4	61.9
August -----	do -----	70.1	62.2
November -----	do -----	71.7	64.4
Hours -----	millions -----	135.0	121.1
January to March -----	do -----	32.5	29.6
April to June -----	do -----	34.0	30.3
July to September -----	do -----	33.7	29.7
October to December -----	do -----	34.9	31.5
Wages -----	mil. dollars --	780.7	481.5
Cost of materials, etc. ² -----	do -----	3 773.4	2 233.7
Materials, parts, containers, etc., consumed -----	do -----	3 249.9	2 004.4
Resales -----	do -----	173.0	82.9
Fuels consumed -----	do -----	72.8	25.3
Purchased electric energy -----	do -----	79.8	30.6
Contract work -----	do -----	197.9	90.6
Value of shipments, including resales ² -----	do -----	7 022.4	4 041.2
Value of resales -----	do -----	201.0	101.8
Value added by manufacture -----	do -----	3 332.9	1 879.6
Manufacturers' inventories:-----			
Beginning of year -----	do -----	1 026.0	499.3
Finished products -----	do -----	277.4	163.5
Work in process -----	do -----	491.9	227.0
Materials, supplies, fuel, etc. -----	do -----	256.7	108.8
End of year -----	do -----	1 145.6	580.3
Finished products -----	do -----	346.8	199.6
Work in process -----	do -----	507.4	256.9
Materials, supplies, fuel, etc. -----	do -----	291.3	123.8
Capital expenditures for plant and equipment -----	do -----	228.0	203.8
New capital expenditures -----	do -----	213.7	198.4
New buildings and other structures -----	do -----	33.4	42.7
New machinery and equipment -----	do -----	180.3	155.7
Used capital expenditures -----	do -----	14.2	5.4

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies.

¹Including central administrative offices and auxiliaries (for definition, see appendix B).

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 3b. Supplemental State Statistics Based on Sample Estimates: 1977

(For explanation of terms, see appendix B. For description of annual survey of manufactures (ASM), see appendix F)

Item	Amount (million dollars)	Standard error of estimate (percent)	Item	Amount (million dollars)	Standard error of estimate (percent)
Gross value of depreciable assets:			Rental payments:		
Total:			Total.....	59.4	3
Beginning of year.....	3,568.4	1	Buildings and other structures.....	23.3	5
New capital expenditures.....	469.2	2	Machinery and equipment.....	36.0	4
Used capital expenditures.....	70.7	2			
Retirements.....	115.0	10	Depreciation charges during 1977:		
End of year.....	3,993.3	1	Total.....	255.6	2
Buildings and other structures:			Buildings and other structures.....	36.9	4
Beginning of year.....	852.1	2	Machinery and equipment.....	218.6	2
New capital expenditures.....	96.0	2			
Used capital expenditures.....	8.7	7	Supplemental labor costs:		
Retirements.....	17.2	8	Total.....	347.9	1
End of year.....	939.5	2	Legal costs.....	169.6	1
Machinery and equipment:			Voluntary costs.....	178.3	1
Beginning of year.....	2,716.4	1			
New capital expenditures.....	373.3	3	Purchased services:		
Automobiles, trucks, etc., for highway use...	13.7	(NA)	Cost of purchased services for the repair of--		
Computers and peripheral data processing equip.	2.7	(NA)	Buildings and other structures.....	(12.0)	17
All other.....	308.1	(NA)	Response coverage ratio (percent).....	58	(X)
New machinery and equipment, n.s.k.....	48.7	(NA)	Machinery.....	81.3	10
Used capital expenditures.....	61.9	2	Response coverage ratio (percent).....	58	(X)
Retirements.....	97.8	12	Cost of purchased communication services.....	30.5	11
End of year.....	3,053.7	1	Response coverage ratio (percent).....	59	(X)

Note: Expenditures data, shown in tables 2a, 3a, and 4-8, are census universe figures and may differ from ASM sample estimates shown in this table. Table 3b figures represent best estimate of year-to-year change as measured by continuing ASM sample, but are subject to sampling errors. Hence, as estimates of level, they are not as reliable as universe figures.

Figures in parentheses have standard errors of 15 percent or more.

(NA) Not available. n.s.k. Not specified by kind.

(X) Not applicable.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area		1977										1972		
		All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)						
Arizona -----	-	2 892	677	110.9	1 462.9	69.8	135.0	780.7	3 332.9	3 773.4	7 022.4	213.7	93.9	1 879.6
STANDARD METROPOLITAN STATISTICAL AREAS														
Phoenix -----	-	1 976	488	84.6	1 135.2	51.1	99.4	577.2	2 558.6	2 092.8	4 586.6	156.5	71.9	1 379.0
Tucson -----	-	406	77	11.1	143.6	6.8	12.8	72.2	332.7	333.6	694.9	17.8	9.1	155.7
COUNTIES														
Apache -----	-	21	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Cochise -----	-	47	14	1.7	19.1	1.3	2.4	13.4	58.2	140.4	198.2	2.0	(D)	(D)
Coconino -----	-	70	14	1.8	20.2	1.3	2.6	12.9	53.3	73.0	124.1	4.1	1.5	24.5
Gila -----	-	26	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.7	56.3
Graham -----	E4	13	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	2.2
Greenlee -----	-	5	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Maricopa -----	-	1 976	488	84.6	1 135.2	51.1	99.4	577.2	2 558.6	2 092.8	4 586.6	156.5	71.9	1 379.0
Mohave -----	-	68	11	1.7	21.0	1.3	2.4	13.0	34.1	34.3	68.0	(D)	0.8	14.6
Navajo -----	-	58	11	1.7	21.5	1.4	2.8	17.3	50.5	82.9	131.3	3.0	1.1	21.8
Pima -----	-	406	77	11.1	143.6	6.8	12.8	72.2	332.7	333.6	694.9	17.8	9.1	155.7
Pinal -----	-	55	18	2.5	33.1	2.0	4.0	23.6	88.1	484.8	538.2	2.2	2.3	134.1
Santa Cruz -----	-	15	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Yavapai -----	-	70	12	1.5	16.4	1.2	2.2	11.3	53.9	37.1	90.8	1.7	1.1	20.6
Yuma -----	E2	62	11	1.1	10.0	0.9	1.6	6.7	17.2	27.2	43.9	(D)	1.2	13.5
CITIES														
Buckeye -----	-	5	3	0.5	3.5	0.4	0.7	2.6	6.6	7.7	14.3	(D)	(NA)	(NA)
Casa Grande -----	-	16	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Chandler -----	-	36	15	1.6	18.1	1.2	2.5	11.5	60.2	83.5	144.6	5.7	(D)	(D)
Douglas -----	-	20	10	1.3	13.6	1.0	1.8	9.7	46.2	119.0	164.6	1.4	(D)	(D)
Flagstaff -----	-	55	11	1.3	15.0	1.0	1.8	9.2	42.7	60.9	101.7	(D)	1.0	18.7
Glendale -----	E1	86	19	3.2	29.0	1.8	3.1	12.9	51.5	57.8	109.8	1.5	2.0	25.2
Mesa -----	-	101	15	4.2	45.0	2.3	4.2	18.8	117.5	56.2	174.4	9.0	5.7	82.8
Phoenix -----	-	1 284	332	58.2	814.7	35.1	69.2	423.6	1 923.4	1 470.8	3 334.2	111.5	52.2	1 063.7
Prescott -----	-	31	8	1.1	10.6	0.8	1.5	6.8	23.3	20.5	42.8	0.4	0.8	8.2
Scottsdale -----	-	113	16	5.6	77.9	2.3	4.3	23.9	125.4	52.6	172.1	6.9	3.4	65.8
Tempe -----	E1	201	47	4.5	51.7	3.2	6.3	30.8	100.8	95.1	191.0	8.2	2.7	37.9
Tucson -----	-	303	57	9.6	125.5	5.6	10.7	60.0	287.1	237.4	550.8	12.7	7.5	125.0
Yuma -----	E2	45	9	0.9	8.9	0.8	1.5	6.1	14.6	23.7	37.8	(D)	1.1	11.8

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹ Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

² Including central administrative offices and auxiliaries (for definition, see appendix B).

³ Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
20	All industries -----	-	2 892	677	110.9	1 462.9	69.8	135.0	780.7	3 332.9	3 773.4	7 022.4	213.7	93.9	1 879.6
	Food and kindred products -----	-	194	54	6.0	74.8	3.8	7.7	42.2	193.8	586.7	789.6	14.0	6.7	134.7
201	Meat products -----	-	29	10	1.1	14.9	0.8	1.6	11.0	21.7	220.8	249.3	1.8	1.3	27.3
2011	Meat packing plants -----	-	22	9	1.0	14.4	0.8	1.5	10.6	18.7	213.8	239.3	1.8	1.2	25.3
202	Dairy products -----	-	18	9	0.9	11.6	0.4	0.8	5.2	28.1	112.3	140.1	1.8	1.0	23.8
2026	Fluid milk -----	-	9	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.9	22.7
203	Preserved fruits and vegetables -----	E2	21	7	0.6	4.9	0.5	0.9	3.5	13.5	18.7	32.2	0.9	BB	(D)
2032	Canned specialties -----	-	8	3	0.4	3.3	0.3	0.6	2.4	10.2	12.7	22.9	0.6	BB	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B.

SIC code	Industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
20	Food and kindred products—Con.														
204	Grain mill products -----	-	19	5	0.4	6.6	0.3	0.6	3.4	21.9	61.8	83.6	0.9	0.3	6.5
2047	Dog, cat, and other pet food -	-	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2048	Prepared feeds, n.e.c. -----	-	15	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
205	Bakery products -----	E1	27	8	1.1	14.5	0.6	1.2	8.2	29.1	25.5	54.6	2.6	1.2	22.8
2051	Bread, cake, and related products -----	-	26	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
206	Sugar and confectionery products -----	-	4	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2063	Beet sugar -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
207	Fats and oils -----	-	11	5	0.4	4.1	0.4	0.8	3.2	16.3	54.2	70.4	0.5	BB	(D)
2074	Cottonseed oil mills -----	-	3	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
208	Beverages -----	-	26	15	1.0	12.4	0.4	1.0	4.2	45.2	71.5	116.5	4.5	1.4	26.0
2086	Bottled and canned soft drinks -----	-	22	13	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.2	21.7
209	Miscellaneous foods and kindred products -----	E6	39	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.6	8.8
2099	Food preparations, n.e.c. -----	E7	28	3	0.2	2.0	0.2	0.3	1.2	6.1	7.3	13.4	0.2	0.4	5.8
23	Apparel and other textile products -----	-	117	39	5.6	35.4	5.1	8.9	27.9	75.8	65.5	139.8	(D)	5.8	44.8
232	Men's and boys' furnishings ---	-	15	12	2.4	13.5	2.2	3.7	11.0	37.2	35.0	72.3	(D)	2.8	22.4
2321	Men's and boys' shirts and nightwear -----	-	6	6	0.7	3.9	0.6	1.2	3.4	7.2	11.5	18.5	(D)	BB	(D)
2322	Men's and boys' underwear -	-	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2327	Men's and boys' separate trousers -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2328	Men's and boys' work clothing -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2329	Men's and boys' clothing, n.e.c. -----	-	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
233	Women's and misses' outerwear -----	E2	34	11	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.6	5.1
2331	Women's and misses' blouses and waists -----	-	5	5	0.6	4.0	0.6	1.0	3.5	5.5	2.0	7.5	(Z)	BB	(D)
2335	Women's and misses' dresses -----	E8	24	3	0.3	2.0	0.3	0.5	1.5	3.8	2.6	6.2	(D)	(NA)	(NA)
234	Women's and children's undergarments -----	-	6	5	1.1	7.1	1.0	1.8	6.0	12.8	9.8	22.1	(D)	CC	(D)
2341	Women's and children's underwear -----	-	6	5	1.1	7.1	1.0	1.8	6.0	12.8	9.8	22.1	(D)	CC	(D)
238	Miscellaneous apparel and accessories -----	-	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2387	Apparel belts -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
239	Miscellaneous fabricated textile products -----	E1	57	9	0.7	5.2	0.6	1.0	3.5	9.8	10.6	19.9	(D)	0.7	4.8
2391	Curtains and draperies -----	E2	30	4	0.3	1.8	0.2	0.4	1.2	2.9	3.6	6.5	(D)	0.4	3.0
2393	Textile bags -----	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
24	Lumber and wood products -----	-	211	60	5.5	55.1	4.8	9.1	43.4	104.3	183.4	282.8	7.1	5.0	67.4
2411	Logging camps and logging contractors -----	E1	47	5	0.3	3.1	0.3	0.4	2.7	7.7	8.6	16.2	1.0	0.3	4.7
242	Sawmills and planing mills ----	-	23	15	2.0	20.1	1.8	3.6	17.5	39.0	63.0	99.1	4.0	1.5	24.2
2421	Sawmills and planing mills, general -----	-	21	15	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.4	24.1
243	Millwork, plywood, and structural members -----	-	90	23	1.7	17.6	1.5	2.8	13.3	27.6	52.8	79.5	1.0	1.8	23.7
2431	Millwork -----	-	35	9	0.6	6.7	0.5	1.0	4.7	13.8	30.4	43.6	0.4	0.9	13.6
2434	Wood kitchen cabinets -----	-	43	10	0.8	7.9	0.7	1.4	6.0	9.1	12.8	21.6	0.3	0.6	6.2
2439	Structural wood members, n.e.c. -----	-	12	4	0.3	3.1	0.2	0.4	2.6	4.7	9.7	14.2	0.3	0.3	3.9
245	Wood buildings and mobile homes -----	E1	21	13	1.3	13.0	1.0	2.0	8.9	26.9	55.7	81.6	0.9	1.0	11.5
2451	Mobile homes -----	-	12	10	1.0	9.9	0.8	1.6	7.0	19.9	40.3	59.6	(D)	CC	(D)
2452	Prefabricated wood buildings -----	E6	9	3	0.3	3.1	0.2	0.4	1.8	7.0	15.5	22.0	(D)	(NA)	(NA)
25	Furniture and fixtures -	E3	103	21	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.4	16.6
251	Household furniture -----	E4	73	16	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.1	11.4
2511	Wood household furniture ---	E8	38	5	0.3	2.1	0.2	0.5	1.6	3.5	3.5	7.0	0.1	0.5	4.4
2512	Upholstered household furniture -----	E1	12	7	0.3	2.5	0.2	0.4	1.8	4.3	5.0	9.3	0.1	BB	(D)
2515	Mattresses and bedsprings --	E3	19	3	0.2	1.9	0.1	0.2	1.1	5.1	5.9	11.0	0.1	0.3	3.9
254	Partitions and fixtures -----	E1	19	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	3.9
2541	Wood partitions and fixtures -	E1	19	2	0.2	2.0	0.1	0.3	1.3	3.8	2.6	6.3	0.1	0.2	3.9

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry		1977											1972	
			All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
26	Paper and allied products -----	-	29	10	1.2	18.3	0.9	1.8	13.1	47.6	74.6	121.9	(D)	0.9	21.2
2631	Paperboard mills -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
264	Miscellaneous converted paper products -----	-	16	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
265	Paperboard containers and boxes -----	-	11	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2653	Corrugated and solid fiber boxes -----	-	6	3	0.2	3.2	0.2	0.3	1.9	8.6	12.8	21.4	0.2	AA	(D)
27	Printing and publishing -----	E1	478	66	7.5	87.2	4.1	7.5	45.7	191.2	99.3	289.7	8.7	6.4	115.6
2711	Newspapers -----	-	67	20	3.9	44.4	1.4	2.5	17.9	106.3	39.0	145.3	2.8	3.5	70.7
273	Books -----	E2	18	2	0.2	2.1	0.1	0.2	1.0	5.6	2.5	8.1	0.2	(NA)	(NA)
2741	Miscellaneous publishing -----	E1	24	3	0.2	2.0	0.1	0.1	0.4	4.8	2.5	7.3	0.1	(NA)	(NA)
275	Commercial printing -----	E2	289	24	2.0	24.3	1.5	2.8	16.6	45.5	34.2	79.5	2.7	1.8	27.8
2751	Commercial printing, letterpress -----	E4	171	12	0.8	7.7	0.6	1.1	5.4	14.6	9.6	24.0	0.9	0.6	8.4
2752	Commercial printing, lithographic -----	E1	113	12	1.2	16.3	0.9	1.6	11.0	30.4	24.4	54.7	1.8	1.2	19.1
2761	Manifold business forms -----	E1	13	4	0.3	4.4	0.2	0.5	2.8	8.3	10.2	18.1	1.1	0.2	3.2
278	Blankbooks and bookbinding --	-	14	8	0.6	5.2	0.5	1.0	4.0	10.4	7.3	17.5	1.4	BB	(D)
2782	Blankbooks and looseleaf binders -----	-	8	5	0.5	4.0	0.4	0.7	3.0	8.6	6.9	15.4	(D)	BB	(D)
279	Printing trade services -----	E1	30	5	0.3	3.4	0.2	0.4	2.5	6.5	1.5	8.0	0.3	0.3	4.1
2791	Typesetting -----	E2	17	3	0.2	1.7	0.1	0.2	1.3	3.1	0.4	3.6	0.2	0.2	2.5
28	Chemicals and allied products -----	-	82	17	2.2	26.0	1.6	2.9	15.8	157.4	118.4	268.0	7.5	1.7	60.9
281	Industrial inorganic chemicals --	-	13	5	0.2	3.5	0.1	0.2	2.2	13.5	10.0	22.2	3.2	0.2	2.9
283	Drugs -----	-	9	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2834	Pharmaceutical preparations --	-	5	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
284	Soaps, cleaners, and toilet goods -----	-	12	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2844	Toilet preparations -----	-	4	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
287	Agricultural chemicals -----	-	17	4	0.2	3.2	0.1	0.3	1.7	15.3	30.3	46.3	1.8	0.2	6.0
289	Miscellaneous chemical products -----	E1	22	3	0.5	5.4	0.4	0.7	3.3	12.2	23.2	35.5	0.6	0.4	7.4
2892	Explosives -----	-	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
29	Petroleum and coal products -----	-	14	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
295	Paving and roofing materials ---	-	13	3	0.2	2.9	0.1	0.2	1.2	11.7	26.4	38.1	0.6	AA	(D)
2951	Paving mixtures and blocks ---	-	10	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
30	Rubber and miscellaneous plastics products -----	E2	103	19	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.7	23.7
3041	Rubber and plastics hose and belting -----	-	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3069	Fabricated rubber products, n.e.c. -----	E1	6	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3079	Miscellaneous plastics products -----	E2	82	16	1.5	15.6	1.1	2.2	9.7	35.5	38.8	73.9	5.0	1.4	20.4
31	Leather and leather products -----	-	27	6	0.6	4.9	0.5	1.0	3.1	12.9	19.6	32.4	(D)	AA	(D)
3161	Luggage -----	-	4	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
317	Handbags and other personal leather goods -----	-	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3172	Personal leather goods -----	-	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
32	Stone, clay, and glass products -----	-	204	51	4.4	65.1	3.3	6.7	45.8	174.9	137.8	314.4	20.7	4.5	105.8
3241	Cement, hydraulic -----	-	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
325	Structural clay products -----	-	6	3	0.3	2.9	0.2	0.4	2.1	3.9	4.6	8.8	0.3	0.2	1.3
327	Concrete, gypsum, and plaster products -----	-	136	43	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.6	82.5
3271	Concrete block and brick ---	E1	20	9	0.5	5.8	0.3	0.7	3.4	13.2	16.9	29.7	(D)	0.6	15.8
3272	Concrete products, n.e.c. ---	-	44	8	0.8	12.3	0.6	1.3	8.7	26.5	15.8	41.7	2.8	0.9	18.0
3273	Ready-mixed concrete -----	-	65	23	2.0	30.0	1.4	2.8	21.5	77.9	63.1	141.2	10.7	1.9	44.0

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B.															
SIC code	Industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
33	Primary metal industries -----	-	64	36	8.2	127.8	6.5	12.4	94.7	310.4	1 263.8	1 525.3	32.2	7.6	309.9
331	Blast furnace and basic steel products -----	-	7	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3312	Blast furnaces and steel mills -----	-	5	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
332	Iron and steel foundries -----	-	7	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3325	Steel foundries, n.e.c. -----	-	5	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
333	Primary nonferrous metals -----	-	10	10	3.7	59.3	3.0	5.8	45.1	136.7	962.4	1 053.5	20.9	3.4	182.3
3331	Primary copper -----	-	9	9	3.7	59.0	3.0	5.7	45.0	136.7	962.4	1 053.5	(D)	3.4	182.3
335	Nonferrous rolling and drawing -	-	17	13	2.9	47.6	2.3	4.2	34.5	126.8	255.2	383.3	(D)	3.2	112.7
3354	Aluminum extruded products -	-	4	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3357	Nonferrous wire drawing and insulating -----	-	9	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
336	Nonferrous foundries -----	-	8	3	0.2	2.0	0.2	0.3	1.6	2.2	2.9	5.0	0.1	0.2	2.8
339	Miscellaneous primary metal products -----	E1	9	3	0.2	1.9	0.1	0.2	1.3	3.5	1.7	5.1	0.3	(NA)	(NA)
34	Fabricated metal products -----	E1	261	62	5.2	59.0	4.0	7.9	40.5	114.4	121.2	232.5	7.9	4.0	67.8
342	Cutlery, hand tools, and hardware -----	E7	8	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
344	Fabricated structural metal products -----	E1	138	37	3.3	39.6	2.4	4.7	26.6	69.1	87.4	156.0	5.4	2.7	44.7
3441	Fabricated structural metal --	-	15	5	0.4	4.8	0.3	0.6	3.5	8.5	10.5	21.0	1.7	1.2	24.2
3442	Metal doors, sash, and trim --	E5	16	4	0.2	2.5	0.2	0.3	1.5	4.9	5.1	10.1	0.4	(NA)	(NA)
3443	Fabricated plate work (boiler shops) -----	E1	13	7	1.2	15.6	0.8	1.5	10.2	22.2	29.0	50.6	(D)	0.3	3.4
3444	Sheet metal work -----	E2	54	13	0.8	8.7	0.6	1.4	5.7	17.2	19.5	36.7	0.8	0.7	10.9
3446	Architectural metal work ----	E1	30	2	0.3	3.7	0.3	0.5	2.6	8.3	4.8	13.2	(D)	0.2	2.0
3448	Prefabricated metal buildings -----	-	4	3	0.2	2.6	0.2	0.3	1.9	5.8	11.1	15.4	0.1	(NA)	(NA)
345	Screw machine products, bolts, etc. -----	E4	9	4	0.3	2.8	0.2	0.4	1.9	6.4	3.3	9.5	0.9	AA	(D)
346	Metal forgings and stampings --	E1	15	5	0.4	4.0	0.3	0.7	3.1	9.0	5.8	14.4	0.1	(NA)	(NA)
3469	Metal stampings, n.e.c. -----	E1	15	5	0.4	4.0	0.3	0.7	3.1	9.0	5.8	14.4	0.1	(NA)	(NA)
347	Metal services, n.e.c. -----	E1	32	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.3	3.5
3471	Plating and polishing -----	-	20	6	0.4	3.7	0.4	0.7	2.7	7.2	2.8	10.0	0.7	0.3	3.3
349	Miscellaneous fabricated metal products -----	E2	43	6	0.4	4.5	0.3	0.6	3.0	8.6	10.4	18.5	0.4	0.3	4.7
3499	Fabricated metal products, n.e.c. -----	E1	27	2	0.2	1.8	0.1	0.2	1.1	3.6	4.7	7.8	0.1	(NA)	(NA)
35	Machinery, except electrical -----	-	380	77	14.0	201.1	8.5	16.7	92.8	731.0	209.7	933.0	38.5	10.1	309.1
352	Farm and garden machinery ---	-	16	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3523	Farm machinery and equipment -----	-	16	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
353	Construction and related machinery -----	E1	18	4	0.3	4.5	0.2	0.4	3.1	11.7	8.1	19.7	0.3	AA	(D)
354	Metalworking machinery -----	E1	56	8	1.4	16.7	1.2	2.2	13.1	30.1	18.6	47.8	(D)	0.3	4.4
3544	Special dies, tools, jigs, and fixtures -----	E5	37	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3546	Power driven hand tools -----	-	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
355	Special industry machinery ----	E1	19	6	0.3	4.0	0.2	0.4	2.5	6.5	6.4	12.9	0.4	CC	(D)
3559	Special industry machinery, n.e.c. -----	E3	12	3	0.2	2.2	0.1	0.2	1.4	3.1	3.1	6.1	0.1	(NA)	(NA)
356	General industrial machinery ---	E1	23	6	0.4	4.9	0.3	0.6	2.9	12.5	9.4	21.5	0.9	0.2	2.2
357	Office and computing machines -----	-	20	9	7.6	122.5	3.5	6.9	37.5	591.1	109.7	695.9	22.9	FF	(D)
3573	Electronic computing equipment -----	-	19	9	7.6	122.5	3.5	6.9	37.5	591.1	109.7	695.9	22.9	FF	(D)
358	Refrigeration and service machinery -----	-	30	8	1.4	12.9	1.0	1.9	8.8	19.9	28.9	48.1	1.8	EE	(D)
3585	Refrigeration and heating equipment -----	-	11	4	1.2	11.6	0.9	1.8	8.1	17.2	25.8	42.4	(D)	EE	(D)
359	Miscellaneous machinery, except electrical -----	E1	197	31	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.0	28.2
3599	Machinery, except electrical, n.e.c. -----	E1	195	30	2.4	31.6	1.9	3.8	22.3	50.5	18.8	68.8	4.1	2.0	28.2

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry		1977											1972	
			All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
36	Electric and electronic equipment -	-	159	50	24.1	300.3	12.5	23.6	123.9	548.2	273.4	805.2	41.0	22.7	331.8
362	Electrical industrial apparatus --	-	5	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3621	Motors and generators -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3622	Industrial controls -----	-	3	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
365	Radio and TV receiving equipment -----	E1	15	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.7	7.3
3651	Radio and TV receiving sets -	E1	7	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
366	Communication equipment ----	-	27	12	5.9	90.9	2.5	4.7	32.3	150.8	57.8	201.3	(D)	FF	(D)
3662	Radio and TV communication equipment --	-	24	11	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
367	Electronic components and accessories -----	-	74	28	16.3	188.9	8.5	15.9	77.5	354.5	179.0	523.6	33.1	16.2	218.1
3674	Semiconductors and related devices -----	-	16	9	14.3	167.9	7.0	13.0	66.1	312.7	156.8	460.6	30.9	FF	(D)
3675	Electronic capacitors -----	E1	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3678	Electronic connectors -----	E1	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3679	Electronic components, n.e.c. -----	E2	49	13	1.4	14.5	1.0	2.1	8.0	28.5	13.8	41.7	(D)	CC	(D)
369	Miscellaneous electrical equipment and supplies -----	E2	17	3	0.2	2.7	0.2	0.3	1.3	8.8	3.9	12.3	0.5	(NA)	(NA)
37	Transportation equipment -	-	100	23	10.9	193.7	7.8	16.2	131.3	399.5	394.7	799.6	(D)	8.7	170.5
371	Motor vehicles and equipment -	E3	34	4	0.3	3.2	0.3	0.6	2.5	6.2	7.4	13.6	(D)	0.3	4.4
3714	Motor vehicle parts and accessories -----	E3	23	3	0.3	2.5	0.3	0.5	2.0	4.6	5.0	9.5	(D)	0.2	2.9
372	Aircraft and parts -----	-	20	9	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3724	Aircraft engines and engine parts -----	-	9	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3728	Aircraft equipment, n.e.c. ----	E1	10	3	0.2	2.5	0.1	0.2	1.3	5.1	3.6	8.4	0.2	FF	(D)
373	Ship and boat building and repairing -----	-	15	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3732	Boat building and repairing --	-	15	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
376	Guided missiles, space vehicles, parts -----	-	5	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3761	Guided missiles and space vehicles -----	-	1	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3764	Space propulsion units and parts -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3769	Space vehicle equipment, n.e.c. -----	-	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
379	Miscellaneous transportation equipment -----	E2	21	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3792	Travel trailers and campers --	E2	19	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
38	Instruments and related products -----	-	78	13	4.7	58.4	2.1	4.2	22.5	141.3	73.3	206.0	9.3	3.1	58.9
3811	Engineering and scientific instruments -----	-	10	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
382	Measuring and controlling devices -----	E1	19	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	5.5
3823	Process control instruments -	-	6	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
384	Medical instruments and supplies -----	-	24	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3842	Surgical appliances and supplies -----	-	10	3	0.3	2.4	0.2	0.3	1.2	14.9	13.3	27.7	0.1	(NA)	(NA)
39	Miscellaneous manufacturing industries -----	E1	219	26	2.3	23.0	1.9	3.5	15.3	50.0	56.5	107.1	(D)	1.5	20.2
391	Jewelry, silverware, and plated ware -----	E1	59	5	0.4	3.1	0.3	0.5	1.8	5.5	19.8	25.2	(D)	(NA)	(NA)
3911	Jewelry, precious metal -----	E2	44	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3931	Musical instruments -----	-	7	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
394	Toys and sporting goods -----	-	21	5	0.8	9.1	0.7	1.4	6.6	22.4	20.9	43.3	(D)	0.4	6.9
3949	Sporting and athletic goods, n.e.c. -----	-	16	3	0.7	7.9	0.6	1.2	5.7	20.2	17.3	37.5	1.7	BB	(D)
399	Miscellaneous manufactures --	E2	106	11	0.8	8.3	0.6	1.1	5.2	16.6	11.8	28.2	(D)	0.5	7.6
3993	Signs and advertising displays -----	E2	38	7	0.4	4.0	0.3	0.5	2.5	6.7	4.4	11.1	(D)	BB	(D)
3999	Manufacturing industries, n.e.c. -----	E2	59	4	0.4	3.9	0.3	0.6	2.4	8.9	6.7	15.4	0.3	AA	(D)
--	Administrative and auxiliary -----	-	62	32	5.0	88.4	-	-	-	-	-	-	-	(NA)	(NA)

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Statistics for some industry groups and industries are withheld to avoid disclosing figures for individual companies. However, for such industry groups and industries with 150 employees or more, number of establishments is shown and employment size range is indicated by one of the following symbols: AA—150 to 249 employees; BB—250 to 499 employees; CC—500 to 999 employees; EE—1,000 to 2,499 employees; FF—2,500 employees or more. Statistics for industry groups shown include data for all component industries, regardless of whether data are shown for individual industries in the group.

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SMSA's, see appendix A. For explanation of terms, see appendix B.

SIC code	SMSA and industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Phoenix SMSA -----	-	1 976	488	84.6	1 135.2	51.1	99.4	577.2	2 558.6	2 092.8	4 586.6	156.5	71.9	1 379.0
20	Food and kindred products --	-	121	41	4.5	56.4	2.9	5.7	33.2	135.4	462.3	604.9	11.0	5.3	107.7
201	Meat products -----	-	22	10	1.1	14.6	0.8	1.6	10.7	21.1	217.0	244.8	1.8	(NA)	(NA)
2011	Meat packing plants ----	-	16	9	1.0	14.0	0.8	1.5	10.3	18.1	210.2	235.1	(D)	(NA)	(NA)
203	Preserved fruits and vegetables -----	E2	15	3	0.3	3.2	0.3	0.5	2.2	10.6	15.9	26.5	0.6	(NA)	(NA)
205	Bakery products -----	-	15	6	0.9	12.2	0.5	1.0	7.1	23.5	21.3	44.8	2.4	(NA)	(NA)
2051	Bread, cake, and related products -----	-	15	6	0.9	12.2	0.5	1.0	7.1	23.5	21.3	44.8	2.4	(NA)	(NA)
208	Beverages -----	-	12	6	0.5	6.7	0.2	0.5	2.3	23.6	32.3	55.9	(D)	0.7	15.4
23	Apparel and other textile products -----	-	71	19	3.4	21.9	3.1	5.4	17.1	53.6	44.5	97.9	(D)	3.3	29.7
239	Miscellaneous fabricated textile products -----	E1	45	6	0.6	4.2	0.5	0.9	3.1	8.4	8.6	16.5	(D)	(NA)	(NA)
2431	Millwork -----	-	19	5	0.4	4.2	0.3	0.6	3.0	8.2	17.9	25.9	0.3	0.5	6.9
2434	Wood kitchen cabinets --	-	30	10	0.8	7.4	0.7	1.3	5.6	8.1	12.0	19.9	0.3	0.5	5.7
275	Commercial printing -----	E2	201	21	1.6	20.4	1.2	2.3	14.0	38.4	29.8	68.0	(D)	(NA)	(NA)
2782	Blankbooks and looseleaf binders -----	-	8	5	0.5	4.0	0.4	0.7	3.0	8.6	6.9	15.4	(D)	(NA)	(NA)
28	Chemicals and allied products -----	-	58	12	1.6	18.3	1.1	2.1	10.8	136.4	88.2	217.2	5.7	1.2	53.0
32	Stone, clay, and glass products -----	-	111	36	3.1	44.5	2.3	4.7	31.5	101.8	83.5	184.4	13.8	2.8	58.3
327	Concrete, gypsum, and plaster products -----	-	67	32	2.7	39.7	2.0	4.0	28.0	92.9	76.3	168.0	13.2	(NA)	(NA)
3272	Concrete products, n.e.c. -----	-	29	7	0.8	11.4	0.6	1.2	8.1	24.5	14.2	38.0	2.7	0.8	15.2
3273	Ready-mixed concrete --	-	25	18	1.5	23.2	1.1	2.1	16.6	56.9	47.0	104.1	7.8	1.3	28.0
34	Fabricated metal products ---	E1	202	53	4.3	49.7	3.3	6.6	33.9	95.4	106.4	198.6	7.1	3.7	63.8
344	Fabricated structural metal products -----	E1	104	29	2.6	31.7	1.9	3.7	21.0	53.2	74.5	127.1	4.9	2.4	41.3
3443	Fabricated plate work (boiler shops) -----	E1	9	6	1.1	14.8	0.8	1.4	9.7	20.8	28.1	48.2	(D)	(NA)	(NA)
3444	Sheet metal work -----	E2	42	11	0.7	7.0	0.5	1.2	4.6	14.9	16.9	31.7	0.7	(NA)	(NA)
346	Metal forgings and stampings -----	E1	15	5	0.4	4.0	0.3	0.7	3.1	9.0	5.8	14.4	0.1	(NA)	(NA)
3469	Metal stampings, n.e.c. --	E1	15	5	0.4	4.0	0.3	0.7	3.1	9.0	5.8	14.4	0.1	(NA)	(NA)
347	Metal services, n.e.c. ----	E1	27	6	0.4	3.7	0.4	0.7	2.7	7.2	3.1	10.3	0.7	(NA)	(NA)
349	Miscellaneous fabricated metal products -----	E2	36	6	0.4	4.2	0.3	0.6	2.8	8.0	10.0	17.6	0.4	(NA)	(NA)
35	Machinery, except electrical -	-	304	69	12.2	181.3	7.1	14.2	78.8	691.1	184.9	869.3	(D)	9.1	286.6
36	Electric and electronic equipment -----	-	128	42	22.5	282.5	11.4	21.2	113.6	510.5	244.6	739.8	39.5	21.6	318.8
367	Electronic components and accessories -----	-	61	23	15.4	179.1	7.8	14.4	72.3	333.9	168.5	493.2	(D)	(NA)	(NA)
39	Miscellaneous manufacturing industries ---	E1	148	19	1.8	18.4	1.5	2.7	12.4	40.0	48.7	88.5	(D)	1.0	14.7
399	Miscellaneous manufactures -----	E2	74	10	0.7	7.1	0.6	1.0	4.5	14.1	9.9	23.8	(D)	(NA)	(NA)
3993	Signs and advertising displays -----	E1	28	7	0.3	3.6	0.2	0.4	2.3	6.0	4.1	10.0	(D)	(NA)	(NA)
--	Administrative and auxiliary --	-	42	26	4.5	80.3	-	-	-	-	-	-	-	(NA)	(NA)
	Tucson SMSA -----	-	406	77	11.1	143.6	6.8	12.8	72.2	332.7	333.6	694.9	17.8	9.1	155.7
20	Food and kindred products --	E1	26	9	0.6	7.6	0.3	0.8	3.4	21.2	37.8	58.8	1.3	0.9	14.8
23	Apparel and other textile products -----	E2	16	6	0.3	1.7	0.2	0.4	1.0	2.9	2.9	5.8	(D)	(NA)	(NA)
27	Printing and publishing -----	-	85	9	1.3	14.1	0.6	1.0	6.2	44.3	15.5	59.8	0.8	1.1	27.5
275	Commercial printing -----	E4	52	3	0.3	2.9	0.2	0.4	2.0	5.4	3.3	8.7	(D)	(NA)	(NA)
32	Stone, clay, and glass products -----	-	31	7	0.6	9.3	0.5	0.9	7.5	32.6	23.6	58.0	3.8	0.8	22.7
34	Fabricated metal products ---	E1	35	8	0.7	8.1	0.6	1.1	5.8	16.2	11.2	27.7	0.5	0.3	3.2
344	Fabricated structural metal products -----	E1	24	7	0.6	7.2	0.5	0.9	5.1	14.2	10.0	24.4	(D)	(NA)	(NA)
35	Machinery, except electrical -	E1	33	3	0.5	5.8	0.3	0.6	2.6	12.6	6.5	19.1	1.5	(NA)	(NA)
367	Electronic components and accessories -----	-	8	5	0.9	9.5	0.7	1.4	5.1	20.1	9.8	29.4	(D)	(NA)	(NA)

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (S) Withheld because estimate did not meet publication standards.
 (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977											1972		
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
23	Cochise County-----	-	47	14	1.7	19.1	1.3	2.4	13.4	58.2	140.4	198.2	2.0	(D)	(D)
	Coconino County -----	-	70	14	1.8	20.2	1.3	2.6	12.9	53.3	73.0	124.1	4.1	1.5	24.5
	Maricopa County (Coextensive with Phoenix, Ariz., SMSA; see table 6.)	-													
	Mohave County-----	-	58	11	1.7	21.0	1.3	2.4	13.0	34.1	34.3	68.0	(D)	0.8	14.6
	Navajo County-----	-	58	11	1.7	21.5	1.4	2.8	17.3	50.5	82.9	131.3	3.0	1.1	21.8
	Pima County (Coextensive with Tucson, Ariz., SMSA; see table 6.)	-													
	Pinal County -----	-	55	18	2.5	33.1	2.0	4.0	23.6	88.1	484.8	538.2	2.2	2.3	134.1
	Yavapai County-----	-	70	12	1.5	16.4	1.2	2.2	11.3	53.9	37.1	90.8	1.7	1.1	20.6
	Yuma County-----	-	62	11	1.1	10.0	0.9	1.6	6.7	17.2	27.2	43.9	(D)	1.2	13.5
	Apparel and other textile products-----	-	9	2	0.5	2.8	0.4	0.8	2.5	3.6	6.3	9.2	(D)	(NA)	(NA)

Note: "County" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Buckeye -----	-	6	3	0.5	3.5	0.4	0.7	2.6	6.6	7.7	14.3	(D)	(NA)	(NA)
	Chandler -----	-	36	15	1.6	18.1	1.2	2.5	11.5	60.2	83.5	144.6	5.7	(D)	(D)
	Douglas -----	-	20	10	1.3	13.6	1.0	1.8	9.7	46.2	119.0	164.6	1.4	(D)	(D)
	Flagstaff -----	-	55	11	1.3	15.0	1.0	1.8	9.2	42.7	60.9	101.7	(D)	1.0	18.7
	Glendale -----	-	86	19	3.2	29.0	1.8	3.1	12.9	51.5	57.8	109.8	1.5	2.0	25.2
--	Administrative and auxiliary --	-	4	2	1.1	11.5	-	-	-	-	-	-	-	(NA)	(NA)

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code		City and industry	1977											1972		
			All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)	
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)							
			E1													
		Mesa -----	-	101	15	4.2	45.0	2.3	4.2	18.8	117.5	56.2	174.4	9.0	5.7	82.8
		Phoenix -----	-	1 284	332	58.2	814.7	35.1	69.2	423.6	1 923.4	1 470.8	3 334.2	111.5	52.2	1 063.7
20	Food and kindred products --	-	87	29	3.4	43.5	2.0	3.9	24.4	111.1	298.8	407.1	(D)	4.0	78.3	
201	Meat products -----	-	16	6	0.8	10.2	0.6	1.1	7.6	24.1	120.4	143.6	(D)	(NA)	(NA)	
2011	Meat packing plants -----	-	10	5	0.7	9.7	0.5	1.0	7.2	21.1	113.6	133.9	(D)	(NA)	(NA)	
202	Dairy products -----	-	11	5	0.7	9.6	0.3	0.6	4.2	19.4	87.2	106.3	1.1	(NA)	(NA)	
23	Apparel and other textile products -----	-	48	10	1.3	8.8	1.1	2.1	6.5	18.2	18.5	35.6	(D)	1.2	11.2	
24	Lumber and wood products --	-	59	20	1.4	13.9	1.1	2.1	10.2	24.3	38.1	61.7	(D)	1.7	18.7	
243	Millwork, plywood, and structural members -----	-	41	15	1.0	11.4	0.9	1.7	8.5	19.3	29.6	48.3	0.6	(NA)	(NA)	
27	Printing and publishing -----	E1	224	35	4.5	55.5	2.5	4.7	31.0	111.9	63.2	174.8	(D)	4.0	70.7	
32	Stone, clay, and glass products -----	-	69	24	2.3	33.0	1.8	3.8	25.6	68.4	55.9	123.9	(D)	2.1	43.8	
327	Concrete, gypsum, and plaster products -----	-	43	20	1.9	28.6	1.5	3.1	22.5	60.5	49.3	109.1	9.6	(NA)	(NA)	
3272	Concrete products, n.e.c. -----	-	21	6	0.7	10.2	0.5	1.1	7.5	20.8	12.2	32.5	(D)	(NA)	(NA)	
3273	Ready-mixed concrete --	-	14	10	1.0	15.5	0.8	1.7	13.0	32.1	28.9	61.3	4.5	(NA)	(NA)	
33	Primary metal industries -----	-	24	13	2.8	47.7	2.3	4.3	35.1	120.2	192.4	311.4	(D)	(NA)	(NA)	
34	Fabricated metal products ---	E1	124	38	3.2	36.1	2.4	4.9	24.9	61.4	73.5	134.0	(D)	2.4	37.1	
344	Fabricated structural metal products -----	-	65	22	2.0	25.4	1.5	3.0	17.2	40.1	60.0	99.8	4.2	(NA)	(NA)	
3444	Sheet metal work -----	E1	28	9	0.6	5.8	0.5	1.1	4.0	12.6	13.3	25.9	0.6	(NA)	(NA)	
36	Electric and electronic equipment -----	-	71	24	11.9	138.0	6.2	11.5	56.7	211.7	140.8	346.3	(D)	12.3	158.0	
367	Electronic components and accessories -----	-	31	14	10.6	124.8	5.1	9.4	47.4	187.1	121.9	301.6	(D)	(NA)	(NA)	
39	Miscellaneous manufacturing industries -----	E2	90	15	1.1	11.6	0.8	1.6	7.0	23.2	18.8	41.5	(D)	0.8	13.4	
399	Miscellaneous manufactures -----	E2	55	10	0.6	6.5	0.5	0.9	4.1	12.7	9.0	21.6	(D)	(NA)	(NA)	
--	Administrative and auxiliary --	-	27	18	2.7	53.6	-	-	-	-	-	-	-	(NA)	(NA)	
		Prescott -----	-	31	8	1.1	10.6	0.8	1.5	6.8	23.3	20.5	42.8	0.4	0.8	8.2
		Scottsdale -----	-	113	16	5.6	77.9	2.3	4.3	23.9	125.4	52.6	172.1	6.9	3.4	65.8
36	Electric and electronic equipment -----	-	18	8	4.9	70.6	1.9	3.6	21.1	113.8	44.8	152.8	(D)	(NA)	(NA)	
		Tempe -----	-	201	47	4.5	51.7	3.2	6.3	30.8	100.8	95.1	191.0	8.2	2.7	37.9
23	Apparel and other textile products -----	-	7	4	0.5	3.4	0.5	0.8	2.9	4.9	3.3	8.1	(D)	(NA)	(NA)	
35	Machinery, except electrical --	E2	49	11	0.6	8.3	0.4	0.9	5.4	16.1	7.9	23.9	(D)	(NA)	(NA)	
36	Electric and electronic equipment -----	-	22	4	0.8	10.0	0.6	1.1	6.2	24.6	9.9	33.7	(D)	(NA)	(NA)	
		Tucson -----	-	303	57	9.6	125.5	5.6	10.7	60.0	287.1	237.4	550.8	12.7	7.5	125.0
27	Printing and publishing -----	-	74	6	1.2	13.0	0.5	0.9	5.7	42.3	14.5	56.8	0.7	1.1	27.2	
34	Fabricated metal products ---	E1	26	7	0.6	7.4	0.5	1.0	5.3	14.8	10.1	25.1	0.5	(NA)	(NA)	
344	Fabricated structural metal products -----	E1	19	7	0.6	6.9	0.5	0.9	5.0	13.9	9.7	23.8	0.4	(NA)	(NA)	
35	Machinery, except electrical --	E1	27	3	0.5	5.5	0.3	0.5	2.4	12.1	6.2	18.4	1.5	(NA)	(NA)	
36	Electric and electronic equipment -----	-	14	5	1.0	11.0	0.7	1.5	6.2	24.0	12.2	35.8	(D)	0.7	8.4	
		Yuma -----	-	45	9	0.9	8.9	0.8	1.5	6.1	14.6	23.7	37.8	(D)	1.1	11.8

Note: "City" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B). - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977

Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																					
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's	
ARIZONA	2892	194	-	7	117	211	103	29	478	82	14	103	27	204	64	261	380	159	100	78	219	62	
1 TO 4 EMPLOYEES	1444	90	-	3	47	113	46	13	286	43	8	50	16	92	20	123	190	61	53	45	136	9	
5 TO 9 EMPLOYEES	397	17	-	1	12	17	15	3	67	13	3	24	3	33	7	33	62	29	15	12	26	8	
10 TO 19 EMPLOYEES	374	23	-	1	19	21	21	3	59	19	3	10	2	28	1	43	51	19	9	8	31	13	
20 TO 49 EMPLOYEES	353	27	-	1	11	24	20	5	43	10	2	9	2	27	13	39	51	18	14	4	18	15	
50 TO 99 EMPLOYEES	152	24	-	1	8	19	15	1	13	5	1	5	2	14	7	13	12	11	2	5	4	6	
100 TO 249 EMPLOYEES	113	10	-	-	15	15	1	1	8	4	-	5	2	10	4	7	6	10	4	2	3	3	
250 TO 499 EMPLOYEES	31	3	-	-	4	2	-	-	1	1	-	-	-	-	4	3	2	4	1	1	1	3	
500 TO 999 EMPLOYEES	15	-	-	-	1	-	-	-	-	-	-	-	-	-	-	2	2	1	2	-	-	1	
1000 TO 2499 EMPLOYEES	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	-	-	-	-	
2500 EMPLOYEES AND OVER	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	
APACHE COUNTY	21	-	-	-	-	12	-	-	2	2	-	-	1	2	-	-	-	-	1	-	1	-	
1 TO 19 EMPLOYEES	16	-	-	-	-	8	-	-	2	2	-	-	1	2	-	-	-	-	-	-	-	-	
20 TO 99 EMPLOYEES	4	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
COCHISE COUNTY	47	7	-	-	4	-	-	-	12	2	-	1	1	9	1	1	3	3	-	1	-	2	
1 TO 19 EMPLOYEES	33	4	-	-	-	-	-	-	10	1	-	1	1	8	-	1	2	3	-	-	-	2	
20 TO 99 EMPLOYEES	10	3	-	-	2	-	-	-	2	-	-	-	-	1	-	-	1	-	-	1	-	2	
100 TO 249 EMPLOYEES	3	-	-	-	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	
COCONINO COUNTY	70	8	-	-	2	21	2	1	7	-	2	-	-	5	1	8	4	1	2	1	4	1	
1 TO 19 EMPLOYEES	56	6	-	-	1	16	2	-	6	-	-	-	-	4	-	8	4	1	2	1	3	1	
20 TO 99 EMPLOYEES	9	1	-	-	3	-	-	-	1	-	1	-	-	1	-	-	-	-	-	-	-	-	
100 TO 249 EMPLOYEES	4	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GILA COUNTY	26	1	-	-	-	5	-	-	3	3	-	-	-	5	4	1	2	-	-	-	2	-	
1 TO 19 EMPLOYEES	17	1	-	-	-	2	-	-	3	2	-	-	-	5	-	1	2	-	-	-	1	-	
20 TO 99 EMPLOYEES	6	-	-	-	-	3	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	
100 TO 249 EMPLOYEES	3	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GRAHAM COUNTY	13	6	-	1	-	-	-	-	3	1	-	-	-	1	-	-	-	1	-	-	-	-	
1 TO 19 EMPLOYEES	10	4	-	1	-	-	-	-	2	1	-	-	-	1	-	-	-	1	-	-	-	-	
20 TO 99 EMPLOYEES	3	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
GREENLEE COUNTY	5	2	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
1 TO 19 EMPLOYEES	4	2	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MARICOPA COUNTY	1976	121	-	5	71	91	79	20	321	58	8	80	15	111	43	202	304	128	79	50	148	42	
1 TO 19 EMPLOYEES	1488	80	-	3	52	57	62	14	272	46	7	67	14	75	22	149	235	86	61	41	129	16	
20 TO 99 EMPLOYEES	366	29	-	2	9	22	16	5	41	9	1	11	-	28	15	47	58	25	13	5	16	17	
100 TO 249 EMPLOYEES	82	9	-	-	6	12	1	1	7	2	-	2	1	8	-	7	5	8	3	2	2	4	
250 EMPLOYEES AND OVER	40	3	-	-	4	-	-	-	1	1	-	-	-	-	4	2	6	9	2	2	1	5	
MOHAVE COUNTY	68	4	-	1	6	6	3	1	10	-	-	2	-	10	1	4	7	-	4	-	8	1	
1 TO 19 EMPLOYEES	57	4	-	1	4	6	2	1	9	-	-	2	-	8	-	4	6	-	3	-	8	-	
20 TO 99 EMPLOYEES	9	-	-	-	2	-	1	1	1	-	-	-	-	2	1	-	-	-	1	-	-	-	
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	
NAVAJO COUNTY	58	4	-	-	-	29	1	1	4	1	-	-	-	6	-	1	3	-	-	-	7	1	
1 TO 19 EMPLOYEES	47	3	-	-	-	21	1	1	4	-	-	-	-	6	-	1	3	-	-	-	7	1	
20 TO 99 EMPLOYEES	8	1	-	-	-	6	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
100 TO 249 EMPLOYEES	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PIMA COUNTY	406	26	-	-	16	23	12	1	85	11	3	14	9	31	4	35	33	21	11	21	42	8	
1 TO 19 EMPLOYEES	329	17	-	-	10	19	11	1	76	10	3	10	4	24	1	27	30	14	8	20	39	5	
20 TO 99 EMPLOYEES	62	9	-	-	6	4	1	-	7	1	-	2	4	6	2	7	2	4	1	1	3	2	
100 TO 249 EMPLOYEES	10	-	-	-	-	-	-	-	1	-	-	2	1	1	1	-	-	2	1	-	-	1	
250 EMPLOYEES AND OVER	5	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	1	1	1	-	-	1	
PINAL COUNTY	55	6	-	-	5	5	3	-	5	1	-	2	-	4	6	4	9	1	1	-	1	2	
1 TO 19 EMPLOYEES	37	3	-	-	2	4	1	-	4	-	-	1	-	3	3	4	8	1	1	-	1	1	
20 TO 99 EMPLOYEES	10	3	-	-	3	1	2	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	
100 TO 249 EMPLOYEES	5	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

$$f(x) = \begin{cases} 1 & \text{if } x \in \mathbb{Q} \\ 0 & \text{if } x \notin \mathbb{Q} \end{cases}$$

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																					
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's	
SANTA CRUZ COUNTY	15	1	-	-	1	-	1	1	4	-	-	1	-	-	-	1	-	-	-	-	2	2	3
1 TO 19 EMPLOYEES	12	1	-	-	1	-	1	1	4	-	-	1	-	-	-	1	-	-	-	-	1	1	1
20 TO 99 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
YAVAPAI COUNTY	70	-	-	-	3	15	1	-	14	-	-	2	1	14	3	1	5	4	1	4	2	-	-
1 TO 19 EMPLOYEES	58	-	-	-	1	14	1	-	13	-	-	1	1	11	2	1	4	3	1	3	2	-	-
20 TO 99 EMPLOYEES	7	-	-	-	-	-	-	-	1	-	-	1	-	2	1	-	-	-	-	1	-	-	-
100 TO 249 EMPLOYEES	4	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
YUMA COUNTY	62	8	-	-	9	4	1	4	6	3	1	1	-	6	-	3	10	-	1	1	2	2	-
1 TO 19 EMPLOYEES	51	5	-	-	7	4	1	3	5	3	-	1	-	6	-	2	9	-	1	-	2	2	-
20 TO 99 EMPLOYEES	9	3	-	-	-	-	-	1	1	-	1	-	-	-	-	1	1	-	-	1	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: Data on number of establishments by employment size class by 4-digit SIC industry for States, counties, and selected cities are presented in Location of Manufacturing Plants data series. This series is available only on computer tape (see Introduction).

- Represents zero.

¹Only those counties and size classes that include data for manufacturing establishments are shown.

Arkansas

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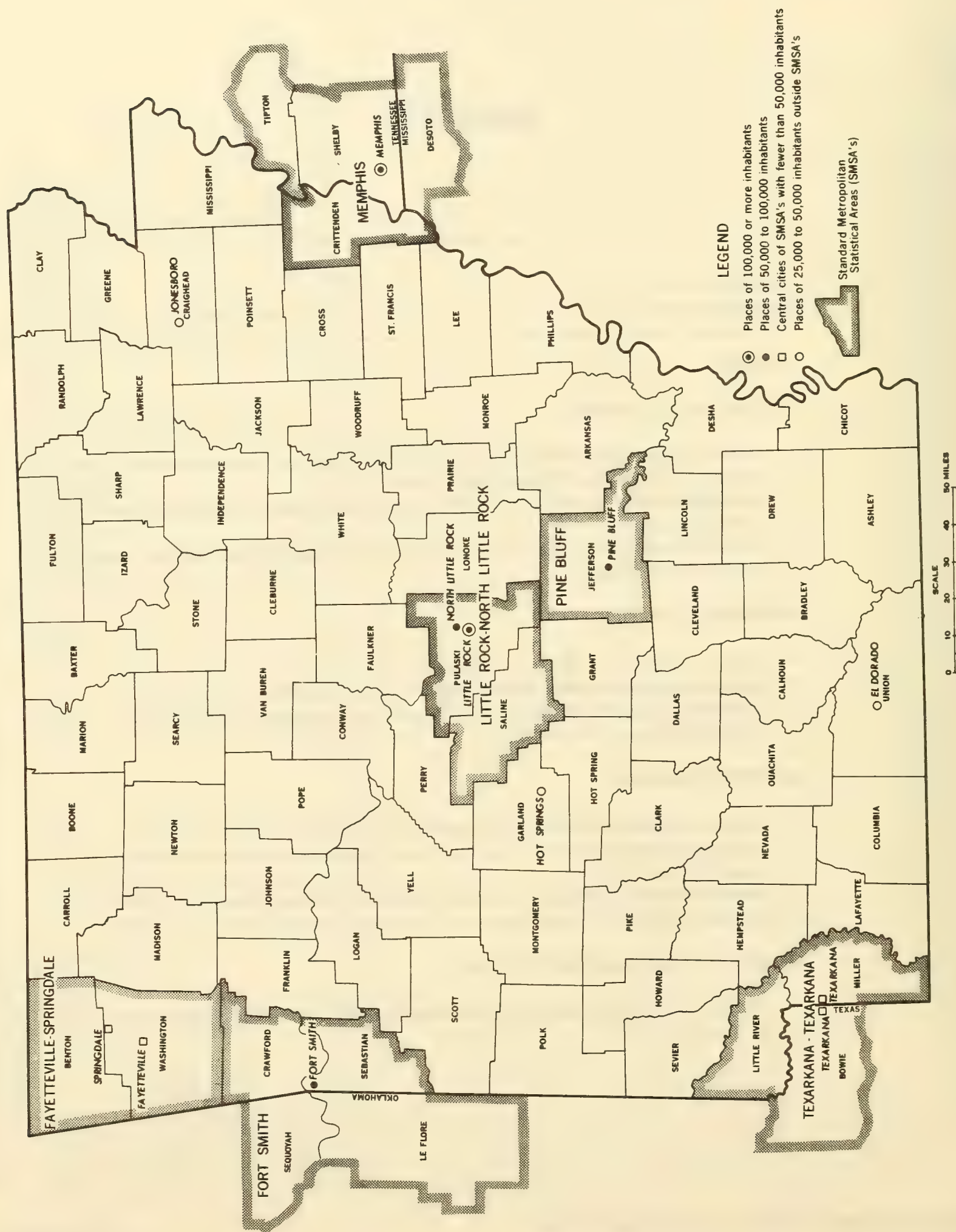
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SUMMARY OF FINDINGS

In 1977, 197.1 thousand persons were employed in Arkansas's manufacturing establishments. This figure represented an increase of 9 percent from the 1972 figure of 180.9 thousand workers.

The total value added by manufacture for the State amounted to \$4,882 million in 1977, an increase of approximately 74 percent from the 1972 figure of \$2,800 million. All dollar figures in this report are in current dollars and are, therefore, not adjusted for changes in price levels.

In the State, the most important industry groups ranked by employment were food and kindred products, electric and electronic equipment, lumber and wood products, and fabricated metal products. They accounted for approximately 41 percent of the State's 1977 employment. The order has shifted from 1972 when industry groups food and kindred products, lumber and wood products, electric and electronic equipment, and furniture and fixtures accounted for approximately 42 percent of the State's employment.

The most important counties in the State ranked by employment were Pulaski, Sebastian, Benton, and Washington. They accounted for approximately 32 percent of the State's 1977 manufacturing employment. The order has shifted from 1972 when Pulaski, Sebastian, Washington, and Benton accounted for approximately 32 percent of the State's employment.

The methods of data collection and use of administrative records data are discussed in detail in the Introduction. Small single-unit companies with up to 20 employees (the cutoff varied by industry) were excluded from the mail portion of the census. For these establishments (and a small number of larger establishments whose reports were not received in time to be tabulated), statistics on payrolls and receipts were obtained from administrative records of other government agencies. Other statistics were developed from industry averages. For this State, these establishments accounted for 3 percent of the total value of shipments.

Table 1. Historical Employment Statistics for Operating Manufacturing Establishments and Central Administrative Offices: 1977 and Earlier Years

(For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

State, standard metropolitan statistical area, and year	All establishments		Operating manufacturing establishments		Central administrative offices and auxiliaries ¹	
	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)
Arkansas:						
1977.....	197.1	1,932.4	193.6	1,881.4	3.5	51.0
1972.....	180.9	1,151.7	178.5	1,126.6	2.4	25.1
1967.....	143.6	665.6	142.2	653.6	1.4	12.0
1963.....	113.6	439.6	112.8	433.4	.9	6.1
STANDARD METROPOLITAN STATISTICAL AREAS						
Fayetteville-Springdale:						
1977.....	16.5	146.9	16.1	141.8	.4	5.1
1972.....	16.2	95.6	16.0	93.0	.2	2.6
Fort Smith, Ark.-Okla.:						
1977.....	23.3	230.4	22.9	223.5	.4	6.9
1972.....	18.8	120.3	18.6	117.7	.2	2.6
1967.....	14.1	64.6	(D)	(D)	(D)	(D)
1963.....	12.3	47.6	(D)	(D)	(D)	(D)
Little Rock-North Little Rock:						
1977.....	29.6	329.8	29.0	321.8	.6	8.0
1972.....	27.9	194.9	27.7	192.9	.2	2.0
1967.....	24.2	123.5	23.9	120.9	.3	2.6
1963.....	16.5	67.5	(D)	(D)	(D)	(D)
Memphis, Tenn.-Ark.-Miss.:						
1977.....	64.1	780.1	62.1	749.0	2.0	31.1
1972.....	64.2	525.9	62.7	509.5	1.5	16.4
1967.....	57.4	332.8	56.1	321.4	1.3	11.4
1963.....	47.1	241.4	46.2	233.9	1.0	7.5
Pine Bluff:						
1977.....	6.2	75.6	6.1	74.1	.1	1.5
1972.....	6.1	47.1	6.1	47.1	-	-
1967.....	5.7	31.6	(D)	(D)	(D)	(D)
1963.....	5.1	24.5	5.1	24.5	-	-
Texarkana, Tex.-Texarkana, Ark.:						
1977.....	7.7	87.5	7.7	87.5	-	-
1972.....	9.0	66.7	9.0	66.7	-	-

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies.

¹Defined in appendix B. Data for these establishments are included at the total manufacturing level in each table in this report. Data for these establishments are shown separately in tables 5 and 9 and included in State, SMSA, county, or city totals in other tables.

**Table 2a. Historical Statistics for the State and Selected Standard Metropolitan Statistical Areas:
1977 and Earlier Years**

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)				Comparative indexes and U.S. employment			
	Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)					Cost of materials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)	Percent of U.S. manufac- turing employ- ment (per- cent)
								Index of manufac- turing employ- ment change (1977= 100)	U.S. manu- facturing employ- ment (1,000)						
ARKANSAS															
1977 CENSUS.	3 595	1 101	197.1	1 932.4	160.6	310.4	1 400.7	4 881.6	7 554.1	12 276.1	470.1	1.01	100	100	19 596.9
1976 ASM....	(NA)	(NA)	188.3	1 649.5	152.8	295.3	1 201.2	4 278.0	6 392.3	10 604.8	472.7	1.00	96	96	18 753.0
1975 ASM....	(NA)	(NA)	175.9	1 425.9	141.7	266.9	1 015.0	3 708.5	5 706.3	9 416.9	342.7	.96	89	94	18 302.2
1974 ASM....	(NA)	(NA)	193.5	1 444.1	159.8	306.7	1 060.2	3 641.0	5 527.7	9 071.3	353.6	.98	98	102	19 844.8
1973 ASM....	(NA)	(NA)	195.9	1 317.1	163.7	319.3	982.0	3 153.4	4 684.5	7 835.7	231.5	.98	99	102	19 897.9
1972 CENSUS.	2 897	1 053	180.9	1 151.7	150.1	298.4	853.4	2 799.8	3 754.8	6 504.2	190.0	.95	92	98	19 028.7
1971 ASM....	(NA)	(NA)	165.1	979.9	134.9	268.7	714.9	2 420.0	3 261.7	5 625.9	171.7	.90	84	94	18 363.1
1970 ASM....	(NA)	(NA)	160.5	893.1	132.8	264.2	656.9	2 147.7	2 942.7	5 054.9	210.8	.84	81	99	19 217.2
1969 ASM....	(NA)	(NA)	161.1	837.0	135.1	266.0	625.1	2 025.9	2 823.1	4 777.8	180.9	.80	82	103	20 035.5
1968 ASM....	(NA)	(NA)	148.2	745.2	124.0	245.7	557.9	1 800.6	2 564.0	4 327.4	145.2	.76	75	100	19 527.6
1967 CENSUS.	2 911	927	143.6	665.6	120.7	239.6	497.3	1 557.7	2 354.2	3 877.1	172.6	.74	73	99	19 323.2
1966 ASM....	(NA)	(NA)	136.0	591.6	114.9	234.7	451.2	1 409.8	2 181.2	3 553.8	121.7	.71	69	98	19 024.5
1965 ASM....	(NA)	(NA)	128.9	533.3	109.4	221.3	405.0	1 221.4	1 938.5	3 150.3	103.9	.72	65	92	18 010.2
1964 ASM....	(NA)	(NA)	119.3	481.7	100.2	205.1	367.9	1 088.6	1 716.3	2 777.5	73.6	.69	61	89	17 268.5
1963 CENSUS.	2 859	840	113.6	439.6	95.6	191.8	331.7	960.9	(NA)	(NA)	73.4	.67	58	87	16 958.4
MEMPHIS, TENN.-ARK.-MISS., SMSA															
1977 CENSUS.	1 156	458	64.1	780.1	45.4	90.3	484.9	2 159.7	3 442.9	5 608.3	161.0	.33	100	100	19 596.9
1976 ASM....	(NA)	(NA)	61.3	692.0	42.4	81.9	414.1	1 778.1	3 113.9	4 881.9	139.4	.33	96	96	18 753.0
1975 ASM....	(NA)	(NA)	62.5	645.4	42.8	83.8	402.7	1 622.2	2 940.0	4 561.2	155.3	.34	97	94	18 302.2
1974 ASM....	(NA)	(NA)	66.7	637.7	48.1	94.9	406.9	1 655.3	2 964.2	4 510.2	138.5	.34	104	102	19 844.8
1973 ASM....	(NA)	(NA)	68.2	587.3	49.5	98.0	378.4	1 548.1	2 363.0	891.3	119.8	.34	106	102	19 897.9
1972 CENSUS.	1 046	461	64.2	525.9	46.8	94.9	341.9	1 352.4	1 857.6	3 170.6	84.4	.34	100	98	19 028.7
1971 ASM....	(NA)	(NA)	58.6	440.7	41.7	84.3	278.5	1 082.2	1 570.7	2 651.0	90.6	.32	91	94	18 363.1
1970 ASM....	(NA)	(NA)	62.6	430.0	44.8	88.7	264.1	1 023.8	1 473.2	2 488.6	71.9	.33	98	99	19 217.2
1969 ASM....	(NA)	(NA)	63.5	409.9	47.6	94.0	267.8	1 014.6	1 397.7	2 398.0	55.4	.32	99	103	20 035.5
1968 ASM....	(NA)	(NA)	59.7	372.4	44.7	89.0	243.1	906.4	1 344.7	2 248.2	71.4	.31	93	100	19 527.6
1967 CENSUS.	862	387	57.4	332.8	42.1	83.3	211.2	796.3	1 291.2	2 078.6	52.2	.30	90	99	19 323.2
1966 ASM....	(NA)	(NA)	50.8	296.7	37.6	77.6	191.0	765.8	1 179.6	1 917.7	69.1	.27	79	98	19 024.5
1965 ASM....	(NA)	(NA)	48.7	270.1	36.0	75.3	175.7	673.4	1 064.2	1 723.4	41.4	.27	76	92	18 010.2
1964 ASM....	(NA)	(NA)	47.9	256.0	35.0	73.0	166.8	608.5	985.3	1 600.7	37.9	.28	75	89	17 268.5
1963 CENSUS.	816	353	47.1	241.4	34.0	70.2	153.9	575.3	(NA)	(NA)	28.3	.28	73	87	16 958.4

(NA) Not available.

¹In annual survey of manufactures (ASM) years, data are estimates based on a representative sample of establishments canvassed annually and may differ from results of a complete canvass of all establishments. ASM publication shows percentage standard errors. Unless otherwise noted, for data prior to 1963, see 1963 Census of Manufactures, vol. III, table 1 of State chapter.

²Including central administrative offices and auxiliaries (for definition, see appendix B).

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 2b. **Selected Operating Ratios for the State and Selected Standard Metropolitan Statistical Areas:
1977 and Earlier Years**

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials as percent of value of shipments (percent)	Cost of materials and payroll as percent of value of shipments (percent)	Value added per employee (dollars)	Payroll as percent of value added (percent)	Value added per production worker hour (dollars)
ARKANSAS									
1977 CENSUS.....	9 805	81	1 933	4.51	62	77	24 768	40	15.73
1976 ASM.....	8 760	81	1 933	4.07	60	76	22 719	39	14.49
1975 ASM.....	8 106	81	1 884	3.80	61	76	21 083	38	13.89
1974 ASM.....	7 463	83	1 919	3.46	61	77	18 817	40	11.87
1973 ASM.....	6 723	84	1 951	3.08	60	77	16 097	42	9.88
1972 CENSUS.....	6 367	83	1 988	2.86	58	75	15 477	41	9.38
1971 ASM.....	5 935	82	1 992	2.66	58	75	14 658	40	9.01
1970 ASM.....	5 564	83	1 989	2.49	58	76	13 381	42	8.13
1969 ASM.....	5 196	84	1 969	2.35	59	77	12 575	41	7.62
1968 ASM.....	5 028	84	1 981	2.27	59	76	12 150	41	7.33
1967 CENSUS.....	4 635	84	1 985	2.08	61	78	10 847	43	6.50
1966 ASM.....	4 350	84	2 043	1.92	61	78	10 366	42	6.01
1965 ASM.....	4 137	85	2 023	1.83	62	78	9 476	44	5.52
1964 ASM.....	4 038	84	2 047	1.79	62	79	9 125	44	5.31
1963 CENSUS.....	3 870	84	2 006	1.73	(NA)	(NA)	8 459	46	5.01
MEMPHIS, TENN.-ARK.-MISS., SMSA									
1977 CENSUS.....	12 166	71	1 989	5.37	61	75	33 681	36	23.90
1976 ASM.....	11 289	69	1 932	5.06	64	78	29 007	39	21.71
1975 ASM.....	10 326	68	1 958	4.81	64	79	25 955	40	19.36
1974 ASM.....	9 561	72	1 973	4.29	66	80	24 817	39	17.44
1973 ASM.....	8 611	73	1 980	3.86	61	76	22 699	38	15.80
1972 CENSUS.....	8 192	73	2 028	3.60	59	75	21 065	39	14.25
1971 ASM.....	7 520	71	2 022	3.30	59	76	18 468	41	12.84
1970 ASM.....	6 869	72	1 980	2.98	59	76	16 355	42	11.54
1969 ASM.....	6 455	75	1 975	2.85	58	75	15 978	40	10.79
1968 ASM.....	6 238	75	1 991	2.73	60	76	15 183	41	10.18
1967 CENSUS.....	5 798	73	1 979	2.54	62	78	13 873	42	9.56
1966 ASM.....	5 841	74	2 064	2.46	62	77	15 075	39	9.87
1965 ASM.....	5 546	74	2 092	2.33	62	77	13 828	40	8.94
1964 ASM.....	5 344	73	2 086	2.28	62	78	12 704	42	8.34
1963 CENSUS.....	5 125	72	2 065	2.19	(NA)	(NA)	12 214	42	8.20

Note: For qualifications to data, see footnotes on table 2a.
(NA) Not available.

Table 3a. Summary Statistics for the State: 1977 and 1972

[For explanation of terms, see appendix B]

Item	Unit of measure	1977	1972
All establishments ¹ -----	number-----	3 595	2 897
With 1 to 19 employees-----	do-----	2 494	1 844
With 20 to 99 employees-----	do-----	630	597
With 100 employees or more-----	do-----	471	456
All employees, average for year ¹ -----	1,000-----	197.1	180.9
Payroll for year, all employees ¹ -----	mil. dollars--	1 932.4	1 151.7
Production workers:			
Average for year-----	1,000-----	160.6	150.1
March-----	do-----	155.0	143.5
May-----	do-----	160.1	149.3
August-----	do-----	163.8	153.7
November-----	do-----	162.9	153.9
Hours-----	millions-----	310.4	298.4
January to March-----	do-----	73.1	71.1
April to June-----	do-----	79.8	75.4
July to September-----	do-----	79.3	75.6
October to December-----	do-----	78.2	76.3
Wages-----	mil. dollars--	1 400.7	853.4
Cost of materials, etc. ² -----	do-----	7 554.1	3 754.8
Materials, parts, containers, etc., consumed-----	do-----	6 769.3	3 433.1
Resales-----	do-----	330.3	148.2
Fuels consumed-----	do-----	210.3	61.6
Purchased electric energy-----	do-----	167.4	59.3
Contract work-----	do-----	76.7	52.7
Value of shipments, including resales ² -----	do-----	12 276.1	6 504.2
Value of resales-----	do-----	408.2	172.7
Value added by manufacture-----	do-----	4 881.6	2 799.8
Manufacturers' inventories:			
Beginning of year-----	do-----	1 585.5	866.9
Finished products-----	do-----	458.1	370.7
Work in process-----	do-----	314.8	180.8
Materials, supplies, fuel, etc.-----	do-----	812.5	315.4
End of year-----	do-----	1 816.2	949.4
Finished products-----	do-----	561.4	389.9
Work in process-----	do-----	379.5	199.3
Materials, supplies, fuel, etc.-----	do-----	875.4	360.2
Capital expenditures for plant and equipment-----	do-----	540.4	199.5
New capital expenditures-----	do-----	470.1	190.0
New buildings and other structures-----	do-----	97.2	45.8
New machinery and equipment-----	do-----	372.9	144.2
Used capital expenditures-----	do-----	70.3	9.5

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies.

¹Including central administrative offices and auxiliaries (for definition, see appendix B).

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 3b. Supplemental State Statistics Based on Sample Estimates: 1977

[For explanation of terms, see appendix B. For description of annual survey of manufactures (ASM), see appendix F]

Item	Amount (million dollars)	Standard error of estimate (percent)	Item	Amount (million dollars)	Standard error of estimate (percent)
Gross value of depreciable assets:			Rental payments:		
Total:			Total.....	39.9	5
Beginning of year.....	2,219.4	1	Buildings and other structures.....	19.8	7
New capital expenditures.....	207.9	3	Machinery and equipment.....	20.1	6
Used capital expenditures.....	(16.9)	20			
Retirements.....	78.6	4	Depreciation charges during 1977:		
End of year.....	2,365.5	1	Total.....	153.3	2
Buildings and other structures:			Buildings and other structures.....	23.4	2
Beginning of year.....	562.2	2	Machinery and equipment.....	130.0	2
New capital expenditures.....	(35.6)	17			
Used capital expenditures.....	(1.5)	46	Supplemental labor costs:		
Retirements.....	10.0	6	Total.....	267.9	1
End of year.....	589.4	2	Legal costs.....	108.2	1
Machinery and equipment:			Voluntary costs.....	159.7	1
Beginning of year.....	1,657.3	1			
New capital expenditures.....	172.2	12	Purchased services:		
Automobiles, trucks, etc., for highway use...	29.7	(NA)	Cost of purchased services for the repair of--		
Computers and peripheral data processing equip.	12.0	(NA)	Buildings and other structures.....	(120.9)	20
All other.....	(S)	(NA)	Response coverage ratio (percent).....	63	(X)
New machinery and equipment, n.s.k.....	(S)	(NA)	Machinery.....	(166.9)	46
Used capital expenditures.....	(15.4)	22	Response coverage ratio (percent).....	61	(X)
Retirements.....	68.6	5	Cost of purchased communication services.....	(44.6)	30
End of year.....	1,776.3	1	Response coverage ratio (percent).....	67	(X)

Note: Expenditures data, shown in tables 2a, 3a, and 4-8, are census universe figures and may differ from ASM sample estimates shown in this table. Table 3b figures represent best estimate of year-to-year change as measured by continuing ASM sample, but are subject to sampling errors. Hence, as estimates of level, they are not as reliable as universe figures.

Figures in parentheses have standard errors of 15 percent or more. (NA) Not available. n.s.k. Not specified by kind. (S) Withheld because estimate did not meet publication standards. (X) Not applicable.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B.]														
Geographic area	1977											1972		
	E ¹	All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)						
Arkansas -----	-	3 595	1 101	197.1	1 932.4	160.6	310.4	1 400.7	4 881.6	7 554.1	12 276.1	470.1	180.9	2 799.8
STANDARD METROPOLITAN STATISTICAL AREAS														
Fayetteville-Springdale -----	-	269	91	16.5	146.9	13.4	25.8	105.0	412.6	637.3	1 036.0	36.3	16.2	240.3
Fort Smith, Ark.-Okla. -----	-	338	119	23.3	230.4	19.2	37.8	171.2	553.8	846.4	1 383.3	34.0	18.8	281.4
Portion in Arkansas -----	-	271	106	21.9	217.8	18.1	35.9	162.1	514.8	815.5	1 313.0	30.2	17.7	265.1
Portion in Oklahoma -----	-	67	13	1.4	12.6	1.1	1.9	9.1	38.9	30.9	70.3	3.8	1.1	16.4
Little Rock-North Little Rock -----	-	514	161	29.6	329.8	22.2	42.9	220.5	827.4	1 090.7	1 882.3	56.0	27.9	423.2
Memphis, Tenn.-Ark.-Miss. -----	E3	1 156	458	64.1	780.1	45.4	90.3	484.9	2 159.7	3 442.9	5 608.3	161.0	64.2	1 352.4
Portion in Tennessee -----	E3	1 041	411	59.2	727.1	41.7	83.1	451.2	2 054.8	3 254.4	5 317.5	148.1	59.6	1 277.1
Portion in Mississippi -----	E1	62	25	3.4	36.7	2.5	4.9	22.5	66.4	112.7	176.2	8.5	2.4	37.3
Portion in Arkansas -----	-	53	22	1.6	16.3	1.2	2.4	11.2	38.6	75.8	114.5	4.4	2.1	38.0
Pine Bluff -----	-	93	41	6.2	75.6	5.0	10.2	53.4	195.1	378.3	566.8	15.7	6.1	147.1
Texarkana, Tex.-Texarkana, Ark. -----	-	135	40	7.7	87.5	6.0	10.6	55.6	228.9	246.6	481.7	16.2	9.0	106.1
Portion in Arkansas -----	E1	60	14	4.1	50.5	3.2	6.0	36.2	143.8	176.8	323.8	13.5	3.0	71.0
Portion in Texas -----	-	75	26	3.6	37.0	2.8	4.6	19.3	85.1	69.8	157.9	2.7	6.0	35.1
COUNTIES														
Arkansas -----	E8	46	16	2.8	25.9	2.2	4.1	17.3	82.4	348.3	422.0	7.6	2.2	38.2
Ashley -----	-	68	24	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Baxter -----	-	36	6	3.9	28.9	3.5	6.1	22.4	70.2	31.8	98.9	2.7	1.8	16.1
Benton -----	-	134	49	8.6	80.6	6.8	13.2	55.1	212.7	280.0	489.1	22.8	7.7	117.8
Boone -----	E1	52	18	2.3	19.9	1.9	3.5	13.9	44.6	38.1	81.7	3.1	1.9	27.0
Bradley -----	-	42	7	1.8	17.9	1.6	3.4	14.3	57.3	41.2	98.1	7.1	1.7	26.2
Calhoun -----	E2	16	3	0.2	1.2	0.1	0.3	1.0	2.2	2.4	4.7	0.2	(D)	(D)
Carroll -----	-	25	5	1.1	7.2	1.0	2.0	6.2	11.8	42.7	54.5	1.0	1.0	6.6
Chicot -----	E1	17	5	0.6	4.1	0.6	1.0	3.5	4.9	3.6	8.7	0.3	1.0	7.2
Clark -----	-	93	15	1.9	20.6	1.6	3.1	16.0	48.0	73.5	120.6	2.7	2.5	39.6
Clay -----	-	24	9	1.4	9.2	1.2	2.1	7.7	18.7	12.4	31.0	0.4	1.3	12.9
Cleburne -----	-	23	7	0.6	4.1	0.5	0.8	2.8	9.7	9.5	17.5	0.5	0.4	2.8
Cleveland -----	E5	23	2	0.2	1.4	0.2	0.3	1.1	2.9	4.1	7.1	0.4	0.3	4.5
Columbia -----	-	47	17	2.5	25.7	2.0	3.9	17.6	90.2	115.6	199.4	10.5	2.2	57.1
Conway -----	-	18	9	2.6	26.1	2.2	4.6	21.2	64.2	68.6	133.2	(D)	2.1	30.6
Craighead -----	-	105	39	6.3	60.0	4.9	9.9	40.5	151.3	190.2	335.6	29.1	5.3	65.7
Crawford -----	-	45	12	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.9	10.5
Crittenden -----	-	53	22	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.1	38.0
Cross -----	-	21	7	2.0	17.5	1.8	3.8	14.7	40.6	103.3	145.6	(D)	1.8	22.9
Dallas -----	-	71	10	1.3	13.0	1.2	2.6	10.4	34.6	43.0	77.9	6.0	1.1	20.0
Desha -----	-	22	10	1.3	9.0	1.2	2.0	7.4	57.3	25.7	84.4	(D)	1.4	24.5
Drew -----	-	34	12	2.4	21.3	2.0	3.9	16.2	55.2	111.4	167.8	2.7	2.0	34.5
Faulkner -----	E2	65	23	4.0	38.6	3.2	5.7	26.1	86.9	113.2	197.0	8.8	3.2	44.5
Franklin -----	-	19	8	0.8	5.5	0.7	1.1	3.7	12.2	32.8	44.8	0.9	0.5	5.8
Fulton -----	E3	11	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.6	3.0
Garland -----	-	110	28	4.4	45.0	3.5	6.7	31.4	75.1	156.0	230.6	13.0	4.6	50.6
Grant -----	-	33	9	1.0	8.5	0.8	1.5	6.3	25.7	26.6	53.3	1.5	1.3	25.6
Greene -----	-	41	10	4.4	37.3	3.7	6.5	29.0	94.7	86.3	174.9	2.8	4.1	74.6
Hempstead -----	E1	40	15	1.5	14.2	1.1	2.2	9.0	32.7	42.8	75.7	2.1	1.8	21.7
Hot Springs -----	-	57	15	2.3	32.2	1.9	3.6	25.2	71.1	149.1	217.3	4.2	2.4	43.1
Howard -----	-	37	14	3.0	27.7	2.7	5.4	22.3	73.6	121.0	193.7	11.2	2.0	34.9
Independence -----	-	46	15	3.8	31.5	3.4	6.2	24.8	67.2	142.4	206.0	9.1	2.7	34.5
Izard -----	E2	22	3	0.1	1.1	0.1	0.2	0.8	1.9	2.4	4.4	0.1	0.2	2.2
Jackson -----	E1	26	10	1.8	18.4	1.5	2.9	14.7	32.6	47.1	80.0	0.7	1.6	16.8
Jefferson -----	-	93	41	6.2	75.6	5.0	10.2	53.4	195.1	378.3	566.8	15.7	6.1	147.1
Johnson -----	E1	28	14	1.2	9.5	1.0	1.9	7.3	22.2	23.0	45.5	2.2	1.2	12.2
Lafayette -----	-	41	5	0.7	5.6	0.5	1.1	3.8	12.4	24.4	36.4	0.4	0.9	8.1
Lawrence -----	-	30	12	1.0	6.9	0.8	1.4	4.7	23.2	28.2	50.3	1.4	0.6	5.7
Lee -----	-	7	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Lincoln -----	-	9	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Little River -----	-	24	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Logan -----	-	23	11	1.5	12.4	1.3	2.5	8.5	30.3	25.3	53.7	3.2	1.7	21.2
Lonoke -----	-	38	9	2.2	20.6	1.8	3.6	15.3	40.1	52.2	93.7	1.7	2.1	31.2
Madison -----	-	14	3	0.3	1.9	0.3	0.4	1.6	5.1	14.1	19.4	0.1	0.2	0.9
Marion -----	-	14	3	0.3	2.6	0.3	0.5	1.9	6.0	5.7	11.6	0.2	0.1	0.4
Miller -----	-	36	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Mississippi -----	-	64	26	6.4	57.1	5.4	10.7	44.2	192.7	191.7	374.4	8.9	4.8	106.5
Monroe -----	-	15	3	0.6	4.5	0.6	1.0	3.9	14.9	9.4	22.6	(D)	0.8	11.8
Montgomery -----	E1	28	4	0.5	3.5	0.5	0.9	3.2	7.6	7.3	14.0	0.3	0.6	3.6
Nevada -----	-	20	5	0.9	7.6	0.8	1.6	6.4	18.2	14.4	32.1	0.6	0.9	9.4
Newton -----	E6	12	-	(Z)	0.1	(Z)	(Z)	0.1	0.4	0.3	0.6	(Z)	(Z)	(NA)
Ouachita -----	-	85	25	3.5	40.5	2.8	5.7	30.4	108.1	127.2	236.1	6.2	4.1	65.3
Perry -----	E6	3	-	(Z)	0.1	(Z)	(Z)	0.1	0.2	0.3	0.5	(D)	(D)	(D)
Phillips -----	-	34	11	2.1	25.0	1.8	3.6	19.8	63.1	155.1	217.9	2.0	2.6	44.8
Pike -----	-	43	7	0.8	6.8	0.8	1.4	6.0	14.5	31.8	46.0	0.8	0.8	8.4
Poinsett -----	-	26	12	2.7	19.3	2.4	4.3	15.5	34.9	37.3	71.2	0.5	2.8	31.1
Polk -----	-	40	17	1.8	14.0	1.5	3.0	11.1	31.2	67.2	96.3	3.6	1.9	27.8
Pope -----	-	55	18	3.3	34.4	2.7	5.2	25.4	105.5	166.1	265.8	4.8	3.3	57.1
Prairie -----	-	15	4	0.3	1.7	0.3	0.5	1.6	6.8	5.1	11.3	0.6	0.5	7.9
Pulaski -----	-	460	147	26.2	273.5	19.5	37.7	179.7	732.7	939.4	1 639.8	(D)	24.7	375.6
Randolph -----	-	41	9	2.3	18.5	2.0	3.7	13.5	55.6	44.0	96.8	4.7	1.2	24.8
St. Francis -----	-	31	11	3.1	30.2	2.5	4.7	20.6	48.1	123.9	171.4	2.6	3.7	54.4
Saline -----	-	54	14	3.4	56.3	2.6	5.2	40.8	94.7	151.4	242.5	(D)	3.2	47.6
Scott -----	-	20	3	0.6	4.2	0.5	1.1	3.7	6.2	32.5	38.7	0.5	0.8	7.6
Searcy -----	-	14	4	0.6	4.2	0.5	0.9	3.2	8.2	2.0	10.2	0.2	1.1	9.1
Sebastian -----	-	226	94	20.5	206.0	17.0	33.7	152.9	490.9	728.7	1 203.6	20.7	16.8	

See footnotes at end of table.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area	E ¹	1977										1972		
		All establishments ²		All employees ²		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
		Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)						
COUNTIES—Con.														
Stone	E3	13	1	0.1	1.0	0.1	0.1	0.5	1.8	0.6	2.6	0.1	(D)	(D)
Union	-	116	30	5.5	63.7	3.6	7.2	35.8	176.3	508.3	669.5	25.1	5.0	86.8
Van Buren	-	14	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Washington	-	135	42	7.9	66.4	6.6	12.5	49.9	199.9	357.4	546.9	13.5	8.5	122.5
White	-	59	20	3.1	25.6	2.6	4.8	20.0	83.5	88.6	170.7	5.5	2.6	56.4
Woodruff	E1	13	5	0.8	6.6	0.7	1.3	5.7	19.3	14.3	33.0	1.0	0.8	8.3
Yell	-	38	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CITIES														
Arkadelphia	E1	36	4	0.6	4.3	0.6	1.0	3.6	12.4	7.7	20.1	0.5	1.2	17.0
Augusta	-	3	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Batesville	-	35	13	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Benton	-	45	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Bentonville	-	18	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Berryville	-	10	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Blytheville	-	30	12	2.3	22.6	1.8	3.4	16.0	85.3	95.7	179.0	5.9	1.7	41.9
Booneville	-	10	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.0	13.0
Brinkley	-	11	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Camden	E1	41	12	1.2	12.7	1.0	1.9	9.3	25.2	37.3	63.2	1.4	3.1	53.7
Clarksville	E1	18	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.9	10.0
Conway	E1	59	23	4.0	38.5	3.1	5.6	26.0	86.5	112.6	196.0	8.7	3.0	43.7
Crossett	-	37	18	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Dardanelle	-	12	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
De Queen	-	16	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
De Witt	-	17	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.3	11.7
Dumas	-	9	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
El Dorado	-	58	23	4.5	53.0	2.7	5.3	27.3	144.1	463.9	594.7	18.0	3.6	51.0
Fayetteville	-	58	19	4.6	40.2	3.7	7.3	29.3	91.2	148.1	234.7	7.9	4.5	70.4
Fordyce	-	50	6	0.9	9.5	0.7	1.7	7.5	26.3	35.2	61.6	(D)	0.8	17.3
Forrest City	-	19	7	2.4	21.2	2.1	3.9	15.7	31.3	113.2	144.3	1.5	3.6	52.6
Fort Smith	-	208	90	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	15.0	234.5
Harrison	E1	45	14	1.3	10.7	1.0	1.8	7.7	21.6	21.7	42.7	2.1	(D)	(D)
Hope	E1	34	13	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.7	20.2
Hot Springs	-	92	22	2.6	25.0	1.8	3.4	14.7	40.9	55.9	95.7	(D)	(D)	(D)
Jacksonville	-	33	15	2.4	25.6	2.0	4.0	18.7	60.2	65.0	123.0	(D)	2.0	24.2
Jonesboro	-	92	35	5.9	57.2	4.6	9.2	38.4	144.3	185.2	323.9	28.7	4.6	59.8
Little Rock	-	252	83	15.7	158.7	11.5	21.7	100.7	400.3	536.6	928.4	27.5	18.8	293.5
Lonoke	-	6	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Magnolia	-	33	14	2.1	20.1	1.6	3.0	13.5	62.2	67.8	125.9	(D)	1.9	46.3
Malvern	-	37	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Marianna	-	7	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Marked Tree	-	7	4	0.5	4.0	0.4	0.7	2.8	7.0	10.3	17.4	0.1	(NA)	(NA)
Mena	E1	20	7	1.1	9.1	0.9	1.8	7.5	19.3	37.6	55.8	(D)	1.3	20.0
Monticello	-	28	11	2.3	20.5	1.9	3.8	15.6	53.8	109.8	164.8	2.5	(D)	(D)
Morrilton	-	15	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Mountain Home	-	20	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.0	11.9
Nashville	-	24	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Newport	-	23	10	1.8	18.3	1.5	2.9	14.6	32.4	46.9	79.6	0.7	1.5	16.6
North Little Rock	-	103	31	3.4	32.5	2.5	5.0	21.2	127.7	160.4	282.6	4.4	2.2	33.3
Osceola	-	16	9	3.5	30.1	3.1	6.4	24.8	95.4	82.9	170.0	(D)	2.4	54.8
Ozark	-	7	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Paragould	-	40	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Paris	-	9	5	0.7	5.3	0.5	1.0	3.4	13.5	14.4	27.5	(D)	(NA)	(NA)
Piggott	-	8	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.6	6.2
Pine Bluff	-	85	36	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	5.6	132.1
Pocahontas	-	30	8	2.3	18.1	2.0	3.6	13.4	54.9	41.7	93.8	(D)	(D)	(D)
Prescott	-	16	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Rogers	-	49	19	4.2	40.3	3.4	6.4	28.0	127.7	118.0	243.0	6.0	3.6	70.5
Russellville	-	39	14	2.8	30.0	2.3	4.6	22.4	90.4	148.5	232.9	3.8	(D)	(D)
Searcy	-	35	13	2.2	19.2	1.9	3.4	15.0	68.1	70.8	138.0	4.9	1.8	42.4
Sheridan	-	20	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Siloam Springs	-	32	10	1.8	17.0	1.4	2.8	11.3	44.0	62.9	106.0	10.0	1.6	26.6
Springdale	-	60	21	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	4.2	52.9
Stuttgart	-	26	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.3	16.0
Texarkana	-	20	8	2.6	27.7	2.0	3.6	19.9	72.3	108.0	181.5	4.6	(D)	(D)
Trumann	-	5	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Van Buren	-	34	9	1.0	9.7	0.9	1.7	7.6	18.7	78.6	96.0	9.3	0.7	9.4
Walnut Ridge	-	15	11	1.0	6.3	0.8	1.3	4.3	21.8	26.6	47.2	1.3	0.5	4.8
Warren	-	37	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
West Helena	-	13	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.0	28.0
West Memphis	-	40	18	1.2	13.6	0.9	1.9	9.4	32.4	71.2	103.7	2.3	1.7	32.3
Wynne	E1	16	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E10—100 percent.

²Including central administrative offices and auxiliaries (for definition, see appendix B).

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]															
SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	All industries -----	-	3 595	1 101	197.1	1 932.4	160.6	310.4	1 400.7	4 881.6	7 554.1	12 276.1	470.1	180.9	2 799.8
20	Food and kindred products -----	-	353	170	25.1	216.5	20.0	40.2	150.3	620.2	2 234.9	2 838.9	73.1	25.1	367.9
201	Meat products -----	-	94	45	11.2	78.7	10.2	19.6	65.5	163.3	692.1	849.8	11.6	9.9	78.8
2011	Meat packing plants -----	E1	49	9	0.9	10.2	0.8	1.5	7.6	25.6	131.9	158.4	(D)	EE	(D)
2013	Sausages and other prepared meats -----	-	7	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2016	Poultry dressing plants -----	-	36	32	9.7	64.5	9.0	17.3	55.1	120.8	536.0	650.8	10.5	8.2	64.6
2017	Poultry and egg processing -----	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
202	Dairy products -----	-	25	13	1.1	12.1	0.4	0.9	4.2	27.4	87.5	114.9	(D)	1.1	21.0
2026	Fluid milk -----	-	13	8	0.8	9.2	0.3	0.6	2.8	18.9	62.8	81.7	(D)	0.7	15.4
203	Preserved fruits and vegetables -----	-	31	23	4.9	41.3	4.2	8.3	33.6	156.4	255.4	411.2	8.2	5.6	101.7
2032	Canned specialties -----	-	3	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2033	Canned fruits and vegetables -----	-	16	11	1.2	8.1	0.9	1.7	6.0	27.5	37.9	65.0	1.0	1.7	23.3
2035	Pickles, sauces, and salad dressings -----	-	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2038	Frozen specialties -----	-	8	6	2.7	23.8	2.4	4.8	20.6	66.9	141.6	208.2	(D)	2.7	44.4
204	Grain mill products -----	-	70	29	2.4	23.7	1.9	4.5	17.0	109.9	647.4	749.2	27.3	2.5	53.9
2044	Rice milling -----	-	9	9	1.3	12.9	1.2	2.9	10.7	68.6	293.4	353.9	(D)	EE	(D)
2048	Prepared feeds, n.e.c. -----	-	52	19	1.0	10.0	0.7	1.4	5.7	38.4	347.1	385.4	(D)	1.3	34.3
205	Bakery products -----	-	26	15	1.8	22.2	1.0	2.0	11.1	49.3	44.8	94.1	2.2	1.8	31.3
2051	Bread, cake, and related products -----	-	24	13	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2052	Cookies and crackers -----	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
206	Sugar and confectionery products -----	-	4	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2065	Confectionery products -----	-	4	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
207	Fats and oils -----	-	20	14	1.0	11.0	0.8	1.9	7.7	39.8	337.2	376.6	2.7	1.6	46.0
2074	Cottonseed oil mills -----	-	8	6	0.3	2.9	0.3	0.6	2.1	14.4	29.0	45.8	0.1	0.7	11.7
2075	Soybean oil mills -----	-	5	4	0.6	6.7	0.5	1.1	4.7	21.9	299.1	318.2	2.2	CC	(D)
208	Beverages -----	-	47	26	1.8	19.8	0.7	1.6	5.8	55.2	69.7	123.9	5.2	2.1	30.2
2086	Bottled and canned soft drinks -----	-	39	23	1.6	18.3	0.6	1.4	5.3	49.4	63.7	112.3	5.0	EE	(D)
209	Miscellaneous foods and kindred products -----	E1	36	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2099	Food preparations, n.e.c. -----	-	17	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
22	Textile mill products -----	-	18	12	4.3	41.0	3.5	7.2	30.6	90.5	172.3	261.2	5.7	4.1	63.8
2211	Weaving mills, cotton -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
225	Knitting mills -----	-	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2251	Women's hosiery, except socks -----	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
226	Textile finishing, except wool -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2261	Finishing plants, cotton -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
227	Floor covering mills -----	-	6	4	1.2	10.7	0.9	1.8	6.7	33.5	83.1	117.7	(D)	CC	(D)
2272	Tufted carpets and rugs -----	-	4	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
228	Yarn and thread mills -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2281	Yarn mills, except wool -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
229	Miscellaneous textile goods -----	-	6	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2297	Nonwoven fabrics -----	-	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
23	Apparel and other textile products -----	-	124	84	15.3	95.3	14.0	25.2	79.8	191.3	125.9	315.9	2.6	15.4	128.4
2311	Men's and boys' suits and coats -----	-	5	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
232	Men's and boys' furnishings -----	-	47	45	9.0	57.8	8.3	15.3	49.3	119.9	67.4	186.0	(D)	10.2	97.7
2321	Men's and boys' shirts and nightwear -----	-	15	14	3.6	23.7	3.2	6.0	18.7	50.2	14.9	64.9	0.4	4.6	33.7
2327	Men's and boys' separate trousers -----	-	12	12	3.2	19.9	3.0	5.5	18.4	51.0	32.3	82.2	0.3	FF	(D)
2328	Men's and boys' work clothing -----	-	11	11	1.4	8.9	1.3	2.3	7.6	9.8	12.9	22.6	0.3	1.5	12.3
2329	Men's and boys' clothing, n.e.c. -----	-	9	8	0.9	5.2	0.8	1.5	4.6	9.0	7.3	16.2	(D)	1.3	11.6
233	Women's and misses' outerwear -----	-	31	17	3.5	22.0	3.2	5.6	18.3	44.3	33.4	78.1	(D)	3.4	18.3
2335	Women's and misses' dresses -----	-	18	6	1.4	8.9	1.3	2.4	7.5	17.2	13.5	30.6	0.2	1.6	8.8
2337	Women's and misses' suits and coats -----	E2	6	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2339	Women's and misses' outerwear, n.e.c. -----	-	5	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	E1	1977											1972	
			All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
23	Apparel and other textile products—Con.														
234	Women's and children's undergarments -----	-	5	5	0.7	4.0	0.6	1.1	3.6	7.7	4.7	12.4	(D)	0.7	6.5
2341	Women's and children's underwear -----	-	5	5	0.7	4.0	0.6	1.1	3.6	7.7	4.7	12.4	(D)	BB	(D)
236	Children's outerwear -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2369	Children's outerwear, n.e.c. --	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
238	Miscellaneous apparel and accessories -----	E1	9	8	1.0	4.4	1.0	1.6	3.8	7.1	5.3	12.5	(D)	0.4	1.6
2381	Fabric dress and work gloves -----	-	4	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2385	Waterproof outer garments --	E0	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
239	Miscellaneous fabricated textile products -----	E1	26	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	1.5
2399	Fabricated textile products, n.e.c. -----	-	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
24	Lumber and wood products -----	-	1 076	180	19.0	177.0	17.0	34.6	144.2	434.1	599.8	1 025.8	54.4	21.8	270.3
2411	Logging camps and logging contractors -----	E2	538	15	2.5	27.2	2.3	4.0	22.0	81.8	108.7	189.2	16.0	2.6	36.5
242	Sawmills and planing mills -----	-	337	94	9.6	85.5	8.6	18.1	71.3	188.0	263.3	447.2	22.8	10.5	129.4
2421	Sawmills and planing mills, general -----	-	288	74	7.4	68.9	6.6	14.3	57.7	163.0	232.3	391.1	20.9	7.4	104.6
2426	Hardwood dimension and flooring -----	-	40	19	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
243	Millwork, plywood, and structural members -----	-	70	21	2.7	30.7	2.3	5.5	25.3	88.0	122.4	210.6	8.5	2.6	46.4
2431	Millwork -----	E2	17	3	0.3	2.1	0.2	0.5	1.6	3.9	7.9	11.8	(D)	AA	(D)
2434	Wood kitchen cabinets -----	E1	24	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	1.7
2435	Hardwood veneer and plywood -----	-	10	7	0.5	4.1	0.4	0.8	3.2	9.2	20.9	30.5	(D)	AA	(D)
2436	Softwood veneer and plywood -----	-	6	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.7	39.0
2439	Structural wood members, n.e.c. -----	E1	13	3	0.3	3.2	0.2	0.5	2.1	5.6	16.1	21.8	0.6	AA	(D)
244	Wood containers -----	E1	42	15	1.2	8.7	1.1	2.2	7.1	14.6	16.7	31.5	0.5	1.8	15.2
2441	Nailed wood boxes and shooks -----	E1	10	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2448	Wood pallets and skids -----	E2	26	7	0.4	2.7	0.3	0.5	2.0	4.3	7.8	12.0	0.3	CC	(D)
2449	Wood containers, n.e.c. -----	-	6	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
245	Wood buildings and mobile homes -----	E1	17	8	0.9	6.8	0.7	1.3	4.7	16.1	28.4	44.2	0.5	1.5	12.7
2451	Mobile homes -----	E1	10	6	0.7	5.7	0.6	1.1	3.8	11.8	23.4	34.8	0.3	1.5	12.7
249	Miscellaneous wood products --	-	72	27	2.2	18.1	1.9	3.5	13.7	45.6	60.3	103.2	6.3	2.7	30.0
2491	Wood preserving -----	-	24	10	0.7	6.4	0.6	1.3	4.7	17.5	36.5	51.2	2.1	CC	(D)
2492	Particleboard -----	-	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2499	Wood products, n.e.c. -----	-	44	15	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.7	18.2
25	Furniture and fixtures -----	-	124	51	11.5	93.1	9.9	18.8	69.4	189.7	187.3	366.5	6.9	11.7	132.2
251	Household furniture -----	-	92	36	9.1	69.5	8.0	15.2	54.8	138.2	141.8	271.3	(D)	9.3	99.1
2511	Wood household furniture -----	-	42	16	5.0	38.1	4.4	8.6	30.0	75.5	81.4	149.6	3.1	4.8	52.7
2512	Upholstered household furniture -----	-	30	14	2.1	15.9	1.9	3.5	12.8	32.7	35.3	67.6	0.5	2.1	21.5
2514	Metal household furniture -----	-	4	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2517	Wood TV and radio cabinets -----	-	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2531	Public building and related furniture -----	-	17	11	1.4	13.8	1.1	1.9	8.0	29.4	28.5	57.6	(D)	EE	(D)
254	Partitions and fixtures -----	-	9	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2542	Metal partitions and fixtures --	-	3	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
26	Paper and allied products -----	-	58	50	10.2	151.5	8.4	17.3	117.8	409.7	643.0	1 043.3	115.4	9.4	244.9
2621	Paper mills, except building paper -----	-	4	4	2.9	53.5	2.4	4.8	42.3	126.0	170.7	298.4	31.3	FF	(D)
2631	Paperboard mills -----	-	3	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
264	Miscellaneous converted paper products -----	-	35	21	3.2	40.0	2.8	5.5	32.0	145.7	253.0	388.7	(D)	2.8	86.3
2643	Bags, except textile bags -----	-	14	13	1.8	21.7	1.6	3.1	17.1	45.1	90.0	134.5	(D)	EE	(D)
2645	Die-cut paper and board -----	-	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2647	Sanitary paper products -----	-	3	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
265	Paperboard containers and boxes -----	-	26	22	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.6	44.0
2651	Folding paperboard boxes -----	-	4	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2653	Corrugated and solid fiber boxes -----	-	18	15	1.3	16.7	1.0	2.0	10.8	35.3	63.9	98.6	0.6	EE	(D)
2654	Sanitary food containers -----	-	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.9	20.6

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]															
SIC code	Industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
27	Printing and publishing -----	-	363	69	7.7	76.2	5.2	10.2	47.0	203.5	101.7	298.2	8.9	6.1	117.4
2711	Newspapers -----	E1	134	30	2.8	26.6	1.3	2.2	10.7	60.3	20.4	80.6	3.6	2.4	35.6
273	Books -----	E1	15	4	0.2	1.4	0.1	0.2	0.9	2.6	2.0	4.6	0.1	(NA)	(NA)
275	Commercial printing -----	E1	160	26	1.9	22.0	1.5	2.9	14.5	38.5	33.3	71.3	3.7	1.4	18.9
2751	Commercial printing, letterpress -----	E2	98	7	0.7	8.2	0.5	1.0	5.4	13.7	8.0	21.6	1.1	0.7	9.9
2752	Commercial printing, lithographic -----	-	59	19	1.2	13.7	0.9	1.9	9.0	24.7	25.2	49.5	(D)	CC	(D)
2761	Manifold business forms -----	-	5	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2771	Greeting card publishing -----	-	2	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
278	Blankbooks and bookbinding --	-	9	2	0.2	2.2	0.2	0.4	1.7	4.0	3.5	7.5	(Z)	(NA)	(NA)
2782	Blankbooks and looseleaf binders -----	-	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
28	Chemicals and allied products -----	-	87	30	6.0	94.6	4.5	9.4	65.5	342.4	401.6	730.3	53.9	4.3	131.9
281	Industrial inorganic chemicals --	-	14	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.5	52.5
2819	Industrial inorganic chemicals, n.e.c. -----	-	12	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
284	Soaps, cleaners, and toilet goods -----	-	6	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2844	Toilet preparations -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2851	Paints and allied products -----	-	8	2	0.2	2.5	0.1	0.3	1.5	5.7	9.7	15.3	(D)	AA	(D)
286	Industrial organic chemicals ---	-	14	7	1.1	16.1	0.8	1.6	9.5	90.2	109.7	193.0	25.8	(NA)	(NA)
2861	Gum and wood chemicals -----	-	7	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2869	Industrial organic chemicals, n.e.c. -----	-	6	4	0.8	12.5	0.6	1.3	7.6	80.1	95.7	169.9	(D)	(NA)	(NA)
287	Agricultural chemicals -----	-	20	9	0.9	14.2	0.7	1.4	8.8	78.5	78.8	156.2	2.6	0.9	37.6
2873	Nitrogenous fertilizers -----	-	3	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2879	Agricultural chemicals, n.e.c. -----	-	7	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
289	Miscellaneous chemical products -----	-	20	3	0.2	2.7	0.2	0.4	1.6	8.1	14.9	23.3	0.9	0.5	7.9
29	Petroleum and coal products -----	-	23	11	2.1	23.9	1.1	2.3	13.0	77.0	369.5	436.1	8.0	1.4	34.8
2911	Petroleum refining -----	-	4	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
295	Paving and roofing materials ---	-	17	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.7	10.7
2951	Paving mixtures and blocks -----	-	11	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	2.5
2952	Asphalt felts and coatings ---	-	6	5	0.8	8.0	0.6	1.1	5.5	17.9	28.3	46.4	2.0	0.5	8.3
30	Rubber and miscellaneous plastics products -----	-	98	43	10.6	108.0	8.9	16.9	80.9	279.0	283.9	555.8	21.0	6.4	124.4
3011	Tires and inner tubes -----	-	6	4	2.5	36.0	2.0	3.7	28.3	92.6	103.4	192.9	(D)	EE	(D)
3021	Rubber and plastics footwear --	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3041	Rubber and plastics hose and belting -----	-	4	3	0.7	6.6	0.6	1.2	5.0	15.8	13.0	27.7	(D)	BB	(D)
3069	Fabricated rubber products, n.e.c. -----	-	11	5	1.5	13.6	1.2	2.4	9.7	29.3	34.6	63.3	1.0	EE	(D)
3079	Miscellaneous plastics products -----	-	76	30	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
31	Leather and leather products -----	-	35	28	7.3	47.2	6.7	11.3	40.0	92.3	81.8	172.1	0.7	8.9	82.5
314	Footwear, except rubber -----	-	27	25	7.1	45.9	6.5	11.0	38.9	88.9	78.3	165.2	(D)	8.2	76.4
3142	House slippers -----	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3143	Men's footwear, except athletic -----	-	6	6	2.5	16.0	2.3	3.7	14.2	31.3	37.0	67.5	0.3	EE	(D)
3144	Women's footwear, except athletic -----	-	13	12	3.2	21.1	2.9	5.2	17.1	35.7	27.5	62.1	0.1	4.1	37.0
3149	Footwear, except rubber, n.e.c. -----	-	6	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3151	Leather gloves and mittens ---	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry		1977											1972		
			E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
				Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
32	Stone, clay, and glass products	-		240	44	4.7	49.5	3.7	7.2	35.9	147.8	129.5	278.8	17.9	4.5	85.1
322	Glass and glassware, pressed or blown	-		9	3	0.4	3.9	0.4	0.6	3.3	9.1	4.8	14.1	0.1	BB	(D)
3221	Glass containers	-		1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3229	Pressed and blown glass, n.e.c.	-		8	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3231	Products of purchased glass	-		8	3	0.2	1.3	0.2	0.3	0.8	3.5	5.4	8.9	(D)	(NA)	(NA)
3241	Cement, hydraulic	-		3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
325	Structural clay products	-		8	8	0.7	6.6	0.6	1.3	5.2	22.3	6.6	28.7	1.3	0.9	14.1
3251	Brick and structural clay tile	-		7	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
327	Concrete, gypsum, and plaster products	E1		176	19	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.8	31.4
3271	Concrete block and brick	-		19	1	0.2	2.3	0.1	0.3	1.5	6.6	5.5	12.1	(D)	AA	(D)
3272	Concrete products, n.e.c.	E2		40	6	0.4	3.6	0.3	0.6	2.5	7.2	4.9	12.4	0.4	0.4	7.0
3273	Ready-mixed concrete	E2		114	9	0.9	10.0	0.7	1.3	6.8	24.3	38.9	63.1	4.5	0.8	13.5
3274	Lime	-		1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3275	Gypsum products	-		2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
329	Miscellaneous nonmetallic mineral products	-		25	8	0.8	8.1	0.6	1.3	6.3	30.7	24.9	55.4	2.6	0.3	4.5
3292	Asbestos products	-		1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3295	Minerals, ground or treated	-		10	4	0.4	4.8	0.3	0.6	3.4	24.1	14.2	38.5	2.1	(NA)	(NA)
33	Primary metal industries	-		52	36	6.8	85.8	5.6	11.1	64.9	196.3	442.7	632.7	15.0	5.8	111.6
331	Blast furnace and basic steel products	-		8	4	0.6	6.8	0.5	0.9	4.3	15.9	18.6	33.9	(D)	AA	(D)
3312	Blast furnaces and steel mills	-		5	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3317	Steel pipe and tubes	-		2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
332	Iron and steel foundries	-		9	6	0.7	7.1	0.6	1.0	4.9	13.0	6.3	19.1	0.9	0.7	8.0
3321	Gray iron foundries	-		7	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3325	Steel foundries, n.e.c.	-		2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
333	Primary nonferrous metals	-		2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3334	Primary aluminum	-		2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3341	Secondary nonferrous metals	-		4	3	0.3	3.1	0.2	0.4	1.9	11.0	53.9	61.6	1.4	(NA)	(NA)
335	Nonferrous rolling and drawing	-		12	11	2.9	33.3	2.4	5.0	25.8	73.2	201.6	274.9	6.8	EE	(D)
3351	Copper rolling and drawing	-		3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3353	Aluminum sheet, plate, and foil	-		1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3354	Aluminum extruded products	-		1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3357	Nonferrous wire drawing and insulating	-		7	7	1.2	14.6	1.0	2.1	10.9	27.9	90.8	120.0	5.2	BB	(D)
336	Nonferrous foundries	-		14	9	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.1	16.4
3361	Aluminum foundries	-		9	6	0.5	4.4	0.4	0.9	3.6	9.9	8.3	17.6	0.9	0.3	3.2
3362	Brass, bronze, and copper foundries	-		3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
34	Fabricated metal products	-		216	78	15.5	155.9	12.7	24.4	114.4	377.3	359.3	730.7	21.3	11.4	173.8
341	Metal cans and shipping containers	-		4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
342	Cutlery, hand tools, and hardware	-		13	8	1.8	17.2	1.5	3.0	13.0	65.6	26.1	86.3	2.5	EE	(D)
3421	Cutlery	-		3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3423	Hand and edge tools, n.e.c.	-		3	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3429	Hardware, n.e.c.	-		7	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
343	Plumbing and heating, except electric	-		4	3	0.6	5.5	0.5	1.0	4.1	18.4	12.9	31.1	0.8	(NA)	(NA)
3432	Plumbing fittings and brass goods	-		2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
344	Fabricated structural metal products	-		107	32	4.0	40.6	3.1	6.0	29.2	82.1	114.9	196.4	3.1	4.1	56.5
3441	Fabricated structural metal	E2		17	4	0.3	3.0	0.2	0.4	1.9	6.6	7.3	13.8	0.2	1.3	28.0
3442	Metal doors, sash, and trim	-		15	5	1.4	13.9	1.2	2.4	11.3	26.1	35.2	61.2	0.7	EE	(D)
3443	Fabricated plate work (boiler shops)	E1		16	9	0.7	7.9	0.6	1.2	6.1	16.0	21.2	36.0	0.8	CC	(D)
3444	Sheet metal work	E1		30	7	0.6	6.3	0.4	0.8	4.2	16.9	13.7	30.9	0.8	0.5	6.1
3448	Prefabricated metal buildings	E1		10	2	0.3	3.9	0.2	0.4	2.2	9.2	13.8	22.7	0.2	(NA)	(NA)
3449	Miscellaneous metal work	-		9	4	0.6	5.1	0.4	0.8	3.3	7.3	22.5	29.8	0.2	BB	(D)
345	Screw machine products, bolts, etc.	-		14	2	0.4	3.5	0.3	0.6	2.5	7.9	8.5	16.6	0.2	(NA)	(NA)
3452	Bolts, nuts, rivets, and washers	-		8	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
346	Metal forgings and stampings	-		10	9	1.9	16.4	1.6	2.9	11.7	41.7	44.9	85.2	3.7	CC	(D)
3465	Automotive stampings	-		3	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3469	Metal stampings, n.e.c.	-		7	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B.															
SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
34	Fabricated metal products—Con.														
348	Ordinance and accessories, n.e.c. -----	-	3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3482	Small arms ammunition -----	-	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3484	Small arms -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
349	Miscellaneous fabricated metal products -----	-	44	19	4.9	50.0	4.1	7.6	38.3	111.0	94.7	205.3	9.0	3.2	43.5
3494	Valves and pipe fittings -----	-	12	9	3.3	34.2	2.8	5.3	26.5	82.5	61.4	142.3	8.0	1.8	25.2
3496	Miscellaneous fabricated wire products -----	-	5	3	0.4	3.1	0.4	0.6	2.5	5.5	8.0	13.3	(D)	0.5	6.0
3499	Fabricated metal products, n.e.c. -----	-	17	4	1.0	10.2	0.7	1.5	7.8	18.9	21.1	41.6	(D)	BB	(D)
35	Machinery, except electrical -----	-	301	65	11.6	128.8	8.6	17.3	85.9	320.0	324.5	625.5	22.9	7.5	134.2
352	Farm and garden machinery ---	E1	34	9	1.1	12.0	0.8	1.5	6.7	25.5	22.9	46.8	1.2	0.7	7.5
3523	Farm machinery and equipment -----	E1	33	9	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.7	7.5
353	Construction and related machinery -----	E1	23	7	1.2	14.9	0.8	1.5	8.3	27.7	23.4	50.4	1.4	1.2	27.6
3535	Conveyors and conveying equipment -----	-	8	3	0.4	4.4	0.3	0.7	2.7	9.3	8.7	18.0	0.2	AA	(D)
3536	Hoists, cranes, and monorails -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
354	Metalworking machinery -----	-	53	12	2.0	20.6	1.5	2.8	13.2	63.9	46.9	107.9	9.5	CC	(D)
3545	Machine tool accessories ---	-	12	7	1.0	11.5	0.8	1.6	7.7	25.4	14.9	38.7	3.6	CC	(D)
3546	Power driven hand tools ---	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3549	Metalworking machinery, n.e.c. -----	-	4	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
355	Special industry machinery ---	-	20	8	0.7	9.5	0.5	1.2	6.9	21.7	18.8	37.5	1.3	0.4	7.2
3553	Woodworking machinery ---	E1	8	2	0.2	2.0	0.1	0.3	1.3	4.9	4.0	8.8	0.2	(NA)	(NA)
3559	Special industry machinery, n.e.c. -----	-	5	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
356	General industrial machinery ---	E1	17	9	1.4	13.6	1.0	2.1	8.1	44.7	44.3	85.8	1.9	1.2	20.4
3561	Pumps and pumping equipment -----	E1	5	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3564	Blowers and fans -----	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3568	Power transmission equipment, n.e.c. -----	-	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3569	General industrial machinery, n.e.c. -----	-	7	2	0.2	1.5	0.1	0.2	0.9	2.9	2.0	4.6	0.3	(NA)	(NA)
358	Refrigeration and service machinery -----	-	21	12	4.2	47.5	3.3	6.7	34.6	115.0	157.2	264.7	6.8	EE	(D)
3581	Automatic merchandising machines -----	-	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3585	Refrigeration and heating equipment -----	-	11	7	3.2	37.3	2.6	5.4	28.2	93.2	136.3	222.7	5.8	1.6	35.5
3589	Service industry machinery, n.e.c. -----	E1	8	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
359	Miscellaneous machinery, except electrical -----	E3	130	8	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	7.7
3592	Carburetors, pistons, rings, and valves -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3599	Machinery, except electrical, n.e.c. -----	E4	129	7	0.6	7.1	0.5	1.0	5.0	13.5	7.2	20.7	0.9	0.5	7.7
36	Electric and electronic equipment -	-	90	51	21.1	209.8	18.2	33.9	164.4	565.9	676.6	1 216.9	27.0	18.1	343.6
361	Electric distributing equipment -	-	10	7	1.4	12.2	1.1	2.0	8.2	20.0	41.7	62.6	0.8	1.2	17.5
3612	Transformers -----	-	4	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3613	Switchgear and switchboard apparatus -----	-	6	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
362	Electrical industrial apparatus -	-	16	12	8.0	72.7	6.9	12.8	58.2	180.5	171.9	344.4	10.6	7.3	138.1
3621	Motors and generators -----	-	13	12	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	7.3	138.1
363	Household appliances -----	-	7	5	4.9	51.1	4.4	8.3	43.3	175.3	188.5	362.4	(D)	FF	(D)
3632	Household refrigerators and freezers -----	-	2	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3633	Household laundry equipment -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3634	Electric housewares and fans -----	-	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
364	Electric lighting and wiring equipment -----	-	21	8	1.9	17.3	1.6	2.9	14.2	67.3	47.0	110.8	2.3	EE	(D)
3641	Electric lamps -----	-	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3644	Noncurrent-carrying wiring devices -----	-	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3645	Residential lighting fixtures -	-	12	3	0.4	3.3	0.3	0.6	2.6	9.5	6.3	14.8	(Z)	BB	(D)
3646	Commercial lighting fixtures -	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
365	Radio and TV receiving equipment -----	-	10	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3651	Radio and TV receiving sets -	-	6	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
36	Electric and electronic equipment —Con.														
366	Communication equipment -----	-	9	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3661	Telephone and telegraph apparatus -----	-	3	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3662	Radio and TV communication equipment --	E5	6	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
367	Electronic components and accessories -----	-	6	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3678	Electronic connectors -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
369	Miscellaneous electrical equipment and supplies -----	-	11	6	0.3	2.9	0.3	0.5	1.7	6.5	5.1	11.7	0.2	0.2	2.5
3699	Electrical equipment and supplies, n.e.c. -----	-	8	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
37	Transportation equipment -----	-	121	35	6.3	58.5	5.3	10.2	46.2	130.7	195.8	322.9	6.4	6.0	93.6
371	Motor vehicles and equipment -	-	51	17	3.5	33.9	3.0	5.8	27.4	88.8	99.7	184.5	(D)	2.9	52.4
3713	Truck and bus bodies -----	E1	7	3	0.7	6.8	0.7	1.1	5.6	8.0	18.4	25.7	(D)	(NA)	(NA)
3714	Motor vehicle parts and accessories -----	-	26	9	2.4	23.6	2.1	4.3	19.5	71.7	69.4	137.8	(D)	2.1	41.1
3715	Truck trailers -----	E6	14	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
373	Ship and boat building and repairing -----	E1	39	11	1.2	10.9	1.0	1.8	8.0	23.3	28.8	51.7	(D)	1.2	14.2
3731	Ship building and repairing --	-	8	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3732	Boat building and repairing --	E1	36	9	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.2	14.2
3743	Railroad equipment -----	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3751	Motorcycles, bicycles, and parts -----	-	2	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
379	Miscellaneous transportation equipment -----	E5	24	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
38	Instruments and related products -----	-	27	6	4.8	40.3	4.1	7.4	29.9	136.8	165.9	294.8	4.7	FF	(D)
3811	Engineering and scientific instruments -----	-	3	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
382	Measuring and controlling devices -----	-	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3824	Fluid meters and counting devices -----	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
384	Medical instruments and supplies -----	-	15	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3842	Surgical appliances and supplies -----	E1	13	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3873	Watches, clocks, and watchcases -----	-	1	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
39	Miscellaneous manufacturing industries -----	-	100	23	3.7	28.5	3.1	5.5	20.5	77.1	58.1	129.6	4.3	FF	(D)
3931	Musical instruments -----	-	5	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
394	Toys and sporting goods -----	-	34	10	1.8	14.2	1.5	2.7	10.1	37.1	27.7	61.4	(D)	FF	(D)
3944	Games, toys, and children's vehicles -----	-	5	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3949	Sporting and athletic goods, n.e.c. -----	-	29	8	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
395	Pens, pencils, office and art supplies -----	-	4	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3955	Carbon paper and inked ribbons -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
399	Miscellaneous manufactures ---	E1	49	8	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.8	7.7
3993	Signs and advertising displays -----	-	29	4	0.4	3.5	0.3	0.5	2.0	7.3	5.1	12.2	0.1	0.2	3.6
-	Administrative and auxiliary -----	-	79	35	3.5	51.0	-	-	-	-	-	-	-	(NA)	(NA)

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹ Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

² Statistics for some industry groups and industries are withheld to avoid disclosing figures for individual companies. However, for such industry groups and industries with 150 employees or more, number of establishments is shown and employment size range is indicated by one of the following symbols: AA—150 to 249 employees; BB—250 to 499 employees; CC—500 to 999 employees; EE—1,000 to 2,499 employees; FF—2,500 employees or more. Statistics for industry groups shown include data for all component industries, regardless of whether data are shown for individual industries in the group.

³ Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code		SMSA and industry	1977											1972	
			All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
		E ¹													
		</													

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Memphis, Tenn.-Ark.-Miss., SMSA	-	1 156	458	64.1	780.1	45.4	90.3	484.9	2 159.7	3 442.9	5 608.3	161.0	64.2	1 352.4
20	Food and kindred products --	-	97	67	10.5	141.2	6.8	14.5	84.6	448.7	1 409.5	1 876.2	33.6	9.9	263.8
201	Meat products -----	-	10	7	1.3	18.3	1.0	2.0	12.8	39.1	181.8	220.9	0.8	1.6	31.1
202	Dairy products -----	-	11	9	0.8	9.9	0.4	0.8	4.3	24.0	75.1	98.9	1.6	0.7	15.9
2026	Fluid milk -----	-	5	5	0.6	7.8	0.3	0.6	3.2	20.2	64.4	84.6	1.4	0.4	10.6
204	Grain mill products -----	-	16	10	1.5	24.3	1.1	2.5	18.6	135.2	175.7	307.6	8.7	1.3	54.7
2048	Prepared feeds, n.e.c. --	-	9	7	0.4	4.6	0.2	0.5	2.1	12.3	64.0	76.6	2.2	(NA)	(NA)
205	Bakery products -----	-	14	11	1.6	22.5	1.0	2.1	13.4	53.7	36.4	90.2	1.5	2.0	34.8
207	Fats and oils -----	-	14	9	1.4	20.2	1.0	2.2	13.1	38.8	695.3	755.1	7.6	1.3	33.5
209	Miscellaneous foods and kindred products -----	-	15	8	1.1	12.4	0.7	1.4	6.7	33.2	44.5	77.7	4.3	0.8	25.4
22	Textile mill products -----	-	10	5	0.5	4.5	0.4	0.8	2.8	8.2	8.1	16.0	0.4	(NA)	(NA)
23	Apparel and other textile products -----	-	33	18	2.3	15.0	2.0	4.0	11.9	36.0	38.7	74.7	0.4	1.9	45.5
239	Miscellaneous fabricated textile products -----	-	21	10	1.0	7.0	0.8	1.7	5.1	14.0	23.0	37.0	0.3	(NA)	(NA)
2391	Curtains and draperies --	-	5	3	0.3	1.8	0.2	0.5	1.3	2.5	1.1	3.6	(D)	0.3	1.8
24	Lumber and wood products --	E1	93	36	3.4	28.9	3.0	5.7	21.8	44.5	67.6	114.9	4.0	4.9	51.6
2426	Hardwood dimension and flooring -----	-	14	10	0.9	7.7	0.8	1.8	6.3	14.1	16.1	30.3	(D)	1.8	13.3
243	Millwork, plywood, and structural members -----	E3	39	15	1.6	13.3	1.4	2.5	9.6	23.0	38.3	60.5	0.6	1.8	23.7
2435	Hardwood veneer and plywood -----	-	7	5	0.3	2.9	0.3	0.5	1.9	4.7	15.0	19.9	0.3	0.6	12.2
249	Miscellaneous wood products -----	-	13	4	0.3	1.8	0.3	0.5	1.4	3.5	4.8	8.4	0.2	0.4	4.4
251	Household furniture -----	-	34	13	3.0	25.6	2.5	4.9	15.5	50.7	68.4	117.5	3.0	3.3	43.3
2515	Mattresses and bedsprings -----	-	6	3	0.5	5.1	0.3	0.6	2.1	13.0	16.4	28.9	(D)	(NA)	(NA)
264	Miscellaneous converted paper products -----	-	16	13	3.2	36.5	2.3	4.7	24.0	126.0	155.9	280.4	6.7	3.1	89.3
2641	Paper coating and glazing -----	-	5	5	0.5	4.9	0.5	0.9	3.2	16.9	33.0	49.5	(D)	0.4	7.1
265	Paperboard containers and boxes -----	-	15	13	1.5	19.3	1.1	2.5	13.3	41.0	63.3	104.1	(D)	(NA)	(NA)
2653	Corrugated and solid fiber boxes -----	-	10	8	0.9	12.2	0.6	1.4	7.7	25.3	48.9	73.7	2.0	(NA)	(NA)
27	Printing and publishing -----	-	172	27	3.7	44.4	2.2	4.1	25.2	94.2	56.9	150.6	10.0	3.2	56.9
2751	Commercial printing, letterpress -----	E6	58	4	0.3	3.2	0.3	0.5	2.3	7.1	3.5	10.5	0.4	(NA)	(NA)
2752	Commercial printing, lithographic -----	-	40	8	0.9	10.4	0.7	1.3	6.4	16.0	22.5	37.9	1.1	0.8	11.2
278	Blankbooks and bookbinding -----	-	7	4	0.4	3.6	0.3	0.6	2.7	7.5	4.3	11.8	0.3	(NA)	(NA)
28	Chemicals and allied products -----	-	82	36	5.7	78.1	3.3	7.0	40.2	404.2	397.5	801.1	34.2	5.4	229.8
284	Soaps, cleaners, and toilet goods -----	-	23	10	1.0	11.1	0.6	1.1	5.2	86.9	47.0	133.5	1.6	1.0	40.7
2844	Toilet preparations -----	-	7	5	0.6	6.4	0.4	0.8	3.6	68.9	16.3	84.7	0.7	0.6	29.9
2851	Paints and allied products -----	E2	11	6	0.4	5.5	0.2	0.5	2.2	12.2	29.2	41.3	(D)	(NA)	(NA)
286	Industrial organic chemicals -----	-	5	5	0.8	12.1	0.5	1.1	6.9	74.1	42.4	115.4	7.0	0.8	27.9
2879	Agricultural chemicals, n.e.c. -----	-	5	4	0.4	3.2	0.3	0.5	1.7	11.5	8.0	19.5	(D)	(NA)	(NA)
289	Miscellaneous chemical products -----	-	19	4	0.4	6.3	0.3	0.6	3.2	20.9	59.9	81.0	(D)	0.4	17.2
29	Petroleum and coal products -----	-	18	6	0.7	9.9	0.5	1.0	6.3	95.3	247.5	339.9	3.5	0.8	13.1
30	Rubber and miscellaneous plastics products -----	-	33	13	3.9	58.4	3.3	6.4	46.9	123.1	113.3	225.9	8.4	(NA)	(NA)
32	Stone, clay, and glass products -----	E1	59	23	1.5	16.6	1.1	2.2	11.2	38.1	41.0	78.2	6.4	1.5	27.1
327	Concrete, gypsum, and plaster products -----	E1	38	18	0.9	10.0	0.6	1.2	5.9	22.8	27.0	49.9	3.3	1.1	20.4
3272	Concrete products, n.e.c. -----	E3	16	8	0.3	3.4	0.2	0.5	2.2	7.6	5.8	13.3	(D)	0.5	6.3
3273	Ready-mixed concrete --	E1	19	8	0.4	4.6	0.2	0.4	2.2	9.0	12.6	21.5	1.0	0.5	11.2
33	Primary metal industries -----	-	21	12	1.3	15.7	1.1	2.2	12.2	28.3	91.4	119.8	5.0	1.2	21.9
332	Iron and steel foundries -----	-	7	5	0.5	5.1	0.4	0.8	4.2	8.5	7.6	15.7	0.7	0.4	4.7
34	Fabricated metal products -----	-	143	60	5.5	67.2	4.2	8.2	44.6	152.3	202.2	360.1	11.4	4.9	72.9
341	Metal cans and shipping containers -----	-	8	3	0.3	6.0	0.3	0.6	4.3	17.1	37.4	54.0	0.5	0.4	10.8
344	Fabricated structural metal products -----	-	75	31	3.2	40.5	2.3	4.4	24.7	87.1	99.7	194.3	4.9	2.5	37.2
3441	Fabricated structural metal -----	-	17	7	0.7	9.4	0.6	1.2	6.6	19.8	30.8	50.4	1.2	0.5	8.3
3442	Metal doors, sash, and trim -----	E1	14	8	0.6	5.2	0.4	0.7	2.6	8.7	14.1	22.4	0.3	0.3	3.4
3443	Fabricated plate work (boiler shops) -----	-	14	8	1.3	18.4	0.9	1.6	10.7	46.2	35.0	88.6	1.9	0.9	15.7
3444	Sheet metal work -----	-	16	6	0.4	5.9	0.3	0.7	3.7	9.5	12.3	21.7	0.8	0.3	5.1

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Includes industry groups and SMSA's, see appendix A. For explanation of terms, see appendix B]																
SIC code	SMSA and industry	1977											1972			
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)	
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)							
	Memphis, Tenn.-Ark.-Miss., SMSA—Con.															
34	Fabricated metal products— Con.															
346	Metal forgings and stampings -----	-	12	10	0.9	9.4	0.8	1.6	7.5	25.8	46.3	71.3	2.5	0.4	6.3	
347	Metal services, n.e.c. -----	-	16	7	0.5	4.8	0.4	0.7	3.7	7.0	3.7	10.7	0.4	0.4	3.9	
3471	Plating and polishing ---	-	10	5	0.4	4.0	0.3	0.6	3.1	5.9	2.7	8.6	0.3	0.3	3.6	
349	Miscellaneous fabricated metal products -----	-	23	4	0.4	3.8	0.3	0.5	2.6	9.2	11.0	19.8	2.9	0.5	8.0	
35	Machinery, except electrical -	-	109	28	5.7	84.6	4.1	7.8	56.4	186.9	183.3	372.5	12.3	6.3	110.7	
353	Construction and related machinery -----	E1	11	7	0.8	10.2	0.4	0.8	4.4	14.8	18.5	32.8	(D)	(NA)	(NA)	
356	General industrial machinery -----	-	16	4	0.7	7.8	0.4	0.7	4.5	20.0	12.5	32.4	2.0	0.8	9.6	
359	Miscellaneous machinery, except electrical -----	E2	40	8	0.4	5.1	0.3	0.7	3.5	9.1	4.6	13.5	0.5	0.4	5.9	
36	Electric and electronic equipment -----	-	41	15	2.6	30.0	2.2	3.9	19.6	86.9	68.2	155.4	3.6	3.9	80.1	
364	Electric lighting and wiring equipment -----	-	12	6	1.4	17.4	1.2	2.3	12.6	48.9	36.2	86.1	2.7	1.8	41.3	
369	Miscellaneous electrical equipment and supplies --	-	10	5	0.4	5.4	0.3	0.7	4.3	15.7	16.8	31.0	0.3	(NA)	(NA)	
3714	Motor vehicle parts and accessories -----	E1	15	5	0.7	6.4	0.6	1.1	4.9	15.0	13.5	26.6	0.7	(NA)	(NA)	
38	Instruments and related products -----	-	14	5	0.7	8.0	0.5	0.8	4.3	29.8	11.6	38.5	(D)	(NA)	(NA)	
39	Miscellaneous manufacturing industries ---	-	58	18	2.0	16.4	1.5	2.9	11.3	34.7	34.1	68.0	1.5	1.8	17.9	
399	Miscellaneous manufactures -----	E1	37	11	0.6	5.6	0.4	0.8	3.1	14.5	11.1	25.2	1.3	(NA)	(NA)	
--	Administrative and auxiliary --	-	48	23	2.0	31.1	-	-	-	-	-	-	-	(NA)	(NA)	
	Pine Bluff SMSA -----	-	93	41	6.2	75.6	5.0	10.2	53.4	195.1	378.3	566.8	15.7	6.1	147.1	
23	Apparel and other textile products -----	-	3	3	0.3	1.5	0.3	0.5	1.2	2.8	2.1	4.7	0.1	(NA)	(NA)	
35	Machinery, except electrical -	-	8	4	0.6	5.9	0.4	0.9	4.2	12.4	10.4	23.0	0.6	0.4	6.6	
	Texarkana, Tex.-Texarkana, Ark., SMSA -----	-	135	40	7.7	87.5	6.0	10.6	55.6	228.9	246.6	481.7	16.2	9.0	106.1	
20	Food and kindred products --	E3	13	6	0.6	6.1	0.3	0.7	2.7	14.9	31.3	46.0	1.4	0.6	11.7	
24	Lumber and wood products --	-	49	9	0.8	6.3	0.7	1.3	5.0	16.4	23.3	39.0	0.7	1.3	8.6	
32	Stone, clay, and glass products -----	-	14	4	0.7	8.6	0.4	0.9	5.3	26.8	17.7	44.6	(D)	0.4	13.3	
34	Fabricated metal products ---	-	14	3	2.0	22.7	1.5	2.0	9.8	44.2	20.9	70.8	(D)	(NA)	(NA)	

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (S) Withheld because estimate did not meet publication standards.
 (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972

(Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B)

SIC code	County and industry	E ¹	1977											1972	
			All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
20 201 203	Arkansas County-----	-	46	16	2.8	25.9	2.2	4.1	17.3	82.4	348.3	422.0	7.6	2.2	38.2
	Baxter County-----	-	36	6	3.9	28.9	3.5	6.1	22.4	70.2	31.8	98.9	2.7	1.8	16.1
	Benton County-----	-	134	49	8.6	80.6	6.8	13.2	55.1	212.7	280.0	489.1	22.8	7.7	117.8
	Food and kindred products --	-	26	14	2.2	16.0	1.8	3.6	12.1	30.9	103.4	133.2	3.1	(NA)	(NA)
34	Meat products-----	-	8	5	1.5	10.1	1.3	2.6	8.4	14.8	77.3	90.8	(D)	1.2	8.9
	Preserved fruits and vegetables-----	-	8	5	0.5	3.9	0.4	0.8	2.6	10.2	15.5	25.7	(D)	(NA)	(NA)
34	Fabricated metal products ---	-	7	4	1.2	12.7	1.0	1.8	8.9	29.6	18.4	47.5	(D)	(NA)	(NA)
35	Machinery, except electrical -	-	17	6	1.0	10.8	0.7	1.4	6.7	23.0	14.7	36.2	(D)	(NA)	(NA)
24	Boone County-----	-	52	18	2.3	19.9	1.9	3.5	13.9	44.6	38.1	81.7	3.1	1.9	27.0
	Lumber and wood products --	-	8	5	0.5	3.8	0.4	0.7	2.7	5.2	6.2	11.0	1.1	(NA)	(NA)
	Bradley County-----	-	42	7	1.8	17.9	1.6	3.4	14.3	57.3	41.2	98.1	7.1	1.7	26.2
	Carroll County-----	-	25	5	1.1	7.2	1.0	2.0	6.2	11.8	42.7	54.5	1.0	1.0	6.6
24	Chicot County-----	-	17	5	0.6	4.1	0.6	1.0	3.5	4.9	3.6	8.7	0.3	1.0	7.2
	Clark County-----	-	93	15	1.9	20.6	1.6	3.1	16.0	48.0	73.5	120.6	2.7	2.5	39.6
	Clay County-----	-	24	9	1.4	9.2	1.2	2.1	7.7	18.7	12.4	31.0	0.4	1.3	12.9
	Cleburne County-----	-	23	7	0.6	4.1	0.5	0.8	2.8	9.7	9.5	17.5	0.5	0.4	2.8
24	Columbia County-----	-	47	17	2.5	25.7	2.0	3.9	17.6	90.2	115.6	199.4	10.5	2.2	57.1
	Lumber and wood products --	-	23	5	0.6	4.9	0.5	1.1	4.1	9.6	20.4	29.9	0.5	0.5	11.6
	Conway County-----	-	18	9	2.6	26.1	2.2	4.6	21.2	64.2	68.6	133.2	(D)	2.1	30.6
	Craighead County-----	-	105	39	6.3	60.0	4.9	9.9	40.5	151.3	190.2	335.6	29.1	5.3	65.7
20	Food and kindred products --	-	9	5	0.6	5.6	0.4	0.9	3.3	22.6	85.8	107.2	(D)	0.5	6.7
34	Fabricated metal products ---	-	13	6	1.2	10.9	0.9	1.9	7.6	24.8	22.7	46.3	2.4	(NA)	(NA)
24	Cross County-----	-	21	7	2.0	17.5	1.8	3.8	14.7	40.6	103.3	145.6	(D)	1.8	22.9
	Dallas County-----	-	71	10	1.3	13.0	1.2	2.6	10.4	34.6	43.0	77.9	6.0	1.1	20.0
	Lumber and wood products --	-	53	5	0.9	9.0	0.8	1.8	7.5	25.5	28.7	54.3	(D)	0.9	13.0
	Desha County-----	-	22	10	1.3	9.0	1.2	2.0	7.4	57.3	25.7	84.4	(D)	1.4	24.5
35	Drew County-----	-	34	12	2.4	21.3	2.0	3.9	16.2	55.2	111.4	167.8	2.7	2.0	34.5
	Faulkner County-----	-	65	23	4.0	38.6	3.2	5.7	26.1	86.9	113.2	197.0	8.8	3.2	44.5
	Machinery, except electrical -	E1	7	4	1.1	11.2	0.7	1.3	6.3	32.3	32.0	62.5	3.4	(NA)	(NA)
	Transportation equipment ---	E1	8	4	0.8	7.3	0.7	1.2	6.1	9.5	20.8	29.6	0.5	0.7	8.7
24	Franklin County-----	-	19	8	0.8	5.5	0.7	1.1	3.7	12.2	32.8	44.8	0.9	0.5	5.8
	Garland County-----	-	110	28	4.4	45.0	3.5	6.7	31.4	75.1	156.0	230.6	13.0	4.6	50.6
	Grant County-----	-	33	9	1.0	8.5	0.8	1.5	6.3	25.7	26.6	53.3	1.5	1.3	25.6
	Lumber and wood products --	-	22	5	0.5	3.7	0.4	0.7	2.9	12.5	15.8	28.1	0.6	0.7	9.2
24	Greene County-----	-	41	10	4.4	37.3	3.7	6.5	29.0	94.7	86.3	174.9	2.8	4.1	74.6
	Hempstead County-----	-	40	15	1.5	14.2	1.1	2.2	9.0	32.7	42.8	75.7	2.1	1.8	21.7
	Hot Springs County-----	-	57	15	2.3	32.2	1.9	3.6	25.2	71.1	149.1	217.3	4.2	2.4	43.1
	Howard County-----	-	37	14	3.0	27.7	2.7	5.4	22.3	73.6	121.0	193.7	11.2	2.0	34.9
24	Independence County-----	-	46	15	3.8	31.5	3.4	6.2	24.8	67.2	142.4	206.0	9.1	2.7	34.5
	Jackson County-----	-	26	10	1.8	18.4	1.5	2.9	14.7	32.6	47.1	80.0	0.7	1.6	16.8
	Jefferson County (Coextensive with Pine Bluff, Ark., SMSA; see table 6.)	-													
	Johnson County-----	-	28	14	1.2	9.5	1.0	1.9	7.3	22.2	23.0	45.5	2.2	1.2	12.2
24	Lafayette County-----	-	41	5	0.7	5.6	0.5	1.1	3.8	12.4	24.4	36.4	0.4	0.9	8.1
	Lawrence County-----	-	30	12	1.0	6.9	0.8	1.4	4.7	23.2	28.2	50.3	1.4	0.6	5.7
	Logan County-----	-	23	11	1.5	12.4	1.3	2.5	8.5	30.3	25.3	53.7	3.2	1.7	21.2
	Lonoke County-----	-	38	9	2.2	20.6	1.8	3.6	15.3	40.1	52.2	93.7	1.7	2.1	31.2

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies.
For explanation of terms, see appendix B]

Includes counties with 450 employees or more and industry groups and industries with 100 employees For explanation of terms, see appendix B]														1972	
SIC code	County and industry	1977													
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expen- ditures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Mississippi County -----	-	64	26	6.4	57.1	5.4	10.7	44.2	192.7	191.7	374.4	8.9	4.8	106.5
20	Food and kindred products --	-	9	5	0.7	7.3	0.5	1.1	4.7	24.5	57.5	81.5	0.6	0.9	18.1
34	Fabricated metal products ---	-	7	2	0.9	8.8	0.8	1.4	7.2	19.7	19.0	38.2	(D)	0.6	9.6
	Monroe County -----	-	15	3	0.6	4.5	0.6	1.0	3.9	14.9	9.4	22.6	(D)	0.8	11.8
	Montgomery County -----	-	28	4	0.5	3.5	0.5	0.9	3.2	7.6	7.3	14.0	0.3	0.6	3.6
	Nevada County -----	-	20	5	0.9	7.6	0.8	1.6	6.4	18.2	14.4	32.1	0.6	0.9	9.4
	Ouachita County -----	-	85	25	3.5	40.5	2.8	5.7	30.4	108.1	127.2	236.1	6.2	4.1	65.3
24	Lumber and wood products --	E2	43	4	0.5	4.6	0.5	0.9	3.9	10.1	15.4	25.4	1.2	0.7	8.1
	Phillips County -----	-	34	11	2.1	25.0	1.8	3.6	19.8	63.1	155.1	217.9	2.0	2.6	44.8
24	Lumber and wood products --	-	13	4	0.6	4.2	0.5	1.1	3.5	8.9	9.1	18.1	0.4	0.6	5.1
	Pike County -----	-	43	7	0.8	6.8	0.8	1.4	6.0	14.5	31.8	46.0	0.8	0.8	8.4
	Poinsett County -----	-	26	12	2.7	19.3	2.4	4.3	15.5	34.9	37.3	71.2	0.5	2.8	31.1
	Polk County -----	-	40	17	1.8	14.0	1.5	3.0	11.1	31.2	67.2	96.3	3.6	1.9	27.8
	Pope County -----	-	55	18	3.3	34.4	2.7	5.2	25.4	105.5	166.1	265.8	4.8	3.3	57.1
20	Food and kindred products --	-	12	6	1.3	11.5	1.1	2.2	8.9	48.8	83.9	133.0	(D)	1.9	29.4
	Pulaski County -----	-	460	147	26.2	273.5	19.5	37.7	179.7	732.7	939.4	1 639.8	(D)	24.7	375.6
208	Beverages -----	-	4	4	0.5	4.7	0.2	0.4	1.4	11.2	10.7	21.9	(D)	(NA)	(NA)
2086	Bottled and canned soft drinks -----	-	4	4	0.5	4.7	0.2	0.4	1.4	11.2	10.7	21.9	(D)	(NA)	(NA)
265	Paperboard containers and boxes -----	-	5	5	0.8	9.5	0.6	1.2	6.5	21.0	25.8	46.3	0.7	0.8	11.1
275	Commercial printing -----	E1	48	15	0.9	10.3	0.6	1.2	6.1	16.6	13.8	30.4	0.5	(NA)	(NA)
2752	Commercial printing, lithographic -----	-	27	10	0.6	7.5	0.4	0.9	4.5	12.8	11.2	23.9	0.3	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	-	20	4	0.9	10.6	0.7	1.3	6.8	22.7	23.4	45.8	1.4	(NA)	(NA)
32	Stone, clay, and glass products -----	-	29	8	0.7	8.7	0.6	1.1	5.9	29.4	23.2	52.6	(D)	(NA)	(NA)
35	Machinery, except electrical --	E1	42	8	1.0	11.4	0.7	1.4	6.6	30.9	27.5	57.4	(D)	(NA)	(NA)
36	Electric and electronic equipment -----	-	19	9	4.7	55.5	4.0	7.5	42.4	147.8	156.0	286.1	7.0	3.5	78.5
--	Administrative and auxiliary --	-	14	6	0.6	7.0	-	-	-	-	-	-	-	(NA)	(NA)
	Randolph County -----	-	41	9	2.3	18.5	2.0	3.7	13.5	55.6	44.0	96.8	4.7	1.2	24.8
	St. Francis County -----	-	31	11	3.1	30.2	2.5	4.7	20.6	48.1	123.9	171.4	2.6	3.7	54.4
	Saline County -----	-	54	14	3.4	56.3	2.6	5.2	40.8	94.7	151.4	242.5	(D)	3.2	47.6
	Scott County -----	-	20	3	0.6	4.2	0.5	1.1	3.7	6.2	32.5	38.7	0.5	0.8	7.6
	Searcy County -----	-	14	4	0.6	4.2	0.5	0.9	3.2	8.2	2.0	10.2	0.2	1.1	9.1
	Sebastian County -----	-	226	94	20.5	206.0	17.0	33.7	152.9	490.9	728.7	1 203.6	20.7	16.8	254.6
25	Furniture and fixtures -----	-	29	16	5.1	40.2	4.3	8.5	31.0	80.9	86.1	159.7	3.3	4.4	50.8
35	Machinery, except electrical --	-	26	8	2.8	34.1	2.3	4.9	27.0	82.8	102.3	180.5	3.7	(NA)	(NA)
	Sevier County -----	-	30	7	1.4	11.5	1.2	2.5	7.6	19.5	49.4	69.1	1.2	1.3	12.5
	Union County -----	-	116	30	5.5	63.7	3.6	7.2	35.8	176.3	508.3	669.5	25.1	5.0	86.8
24	Lumber and wood products --	-	55	8	1.0	10.0	0.9	2.1	8.8	24.6	30.0	54.0	2.5	1.0	16.1
242	Sawmills and planing mills --	-	14	6	0.7	6.8	0.6	1.5	6.0	15.2	21.2	35.9	2.0	0.7	9.3
2421	Sawmills and planing mills, general -----	-	14	6	0.7	6.8	0.6	1.5	6.0	15.2	21.2	35.9	2.0	(NA)	(NA)
28	Chemicals and allied products -----	-	9	5	0.7	10.2	0.5	1.0	6.9	63.6	64.5	125.9	13.7	0.5	26.8
--	Administrative and auxiliary --	-	5	3	0.5	9.1	-	-	-	-	-	-	-	(NA)	(NA)
	Washington County -----	-	135	42	7.9	66.4	6.6	12.5	49.9	199.9	357.4	546.9	13.5	8.5	122.5
20	Food and kindred products --	-	30	19	3.4	27.4	3.0	5.7	21.4	77.2	274.0	348.9	8.6	4.7	58.6
201	Meat products -----	-	9	5	1.2	8.0	1.1	1.9	6.5	18.5	69.9	87.7	(D)	2.0	11.4
203	Preserved fruits and vegetables -----	-	8	7	1.7	14.6	1.5	2.9	12.3	41.4	65.3	106.0	(D)	2.1	33.2
27	Printing and publishing -----	-	18	4	0.6	7.1	0.4	0.9	5.0	22.0	11.4	33.2	1.0	(NA)	(NA)
	White County -----	-	59	20	3.1	25.6	2.6	4.8	20.0	83.5	88.6	170.7	5.5	2.6	56.4
20	Food and kindred products --	-	11	5	0.6	4.7	0.4	0.8	2.7	17.8	27.6	44.9	1.0	0.5	5.8
	Woodruff County -----	-	13	5	0.8	6.6	0.7	1.3	5.7	19.3	14.3	33.0	1.0	0.8	8.3

Note: "County" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
35	Arkadelphia -----	-	36	4	0.6	4.3	0.6	1.0	3.6	12.4	7.7	20.1	0.5	1.2	17.0
	Blytheville -----	-	30	12	2.3	22.6	1.8	3.4	16.0	85.3	95.7	179.0	5.9	1.7	41.9
	Camden -----	-	41	12	1.2	12.7	1.0	1.9	9.3	25.2	37.3	63.2	1.4	3.1	53.7
	Conway -----	-	59	23	4.0	38.5	3.1	5.6	26.0	86.5	112.6	196.0	8.7	3.0	43.7
37	Machinery, except electrical --	E1	7	4	1.1	11.2	0.7	1.3	6.3	32.3	32.0	62.5	3.4	(NA)	(NA)
-	Transportation equipment ---	E1	8	4	0.8	7.3	0.7	1.2	6.1	9.5	20.8	29.6	0.5	0.7	8.7
	El Dorado -----	-	68	23	4.5	53.0	2.7	5.3	27.3	144.1	463.9	594.7	18.0	3.6	51.0
	Administrative and auxiliary --	-	5	3	0.5	9.1	-	-	-	-	-	-	-	(NA)	(NA)
	Fayetteville -----	-	58	19	4.6	40.2	3.7	7.3	29.3	91.2	148.1	234.7	7.9	4.5	70.4
20	Food and kindred products --	-	11	6	1.7	15.4	1.4	2.9	11.7	30.0	95.8	125.2	(D)	(NA)	(NA)
	Fordyce -----	-	50	5	0.9	9.5	0.7	1.7	7.5	26.3	35.2	61.6	(D)	0.8	17.3
	Forrest City -----	-	19	7	2.4	21.2	2.1	3.9	15.7	31.3	113.2	144.3	1.5	3.6	52.6
	Harrison -----	-	45	14	1.3	10.7	1.0	1.8	7.7	21.6	21.7	42.7	2.1	(D)	(D)
36	Hot Springs -----	-	92	22	2.6	25.0	1.8	3.4	14.7	40.9	55.9	95.7	(D)	(D)	(D)
	Jacksonville -----	-	33	15	2.4	25.6	2.0	4.0	18.7	60.2	65.0	123.0	(D)	2.0	24.2
	Jonesboro -----	-	92	35	5.9	57.2	4.6	9.2	38.4	144.3	185.2	323.9	28.7	4.6	59.8
	Electric and electronic equipment -----	E1	8	6	1.1	12.4	1.0	1.8	10.0	27.3	19.6	46.2	(D)	(NA)	(NA)
20	Little Rock -----	-	252	83	15.7	158.7	11.5	21.7	100.7	400.3	536.6	928.4	27.5	18.8	293.5
208	Food and kindred products --	-	33	20	2.2	25.7	1.2	2.5	12.2	72.5	168.1	240.8	16.1	2.4	37.3
2086	Beverages -----	-	4	4	0.5	4.7	0.2	0.4	1.4	11.2	10.7	21.9	(D)	(NA)	(NA)
24	Bottled and canned soft drinks -----	-	4	4	0.5	4.7	0.2	0.4	1.4	11.2	10.7	21.9	(D)	(NA)	(NA)
	Lumber and wood products --	E1	14	5	0.7	5.8	0.6	1.1	4.4	8.9	13.6	22.1	0.7	0.7	6.6
	Furniture and fixtures -----	-	10	4	0.5	3.8	0.4	0.8	2.8	7.3	8.9	16.4	(D)	(NA)	(NA)
	Paper and allied products ---	-	8	5	0.7	8.8	0.6	1.1	6.1	20.4	22.5	42.4	0.7	(NA)	(NA)
27	Printing and publishing -----	-	68	19	1.9	21.9	1.0	1.9	10.9	41.5	24.6	66.0	1.0	1.8	25.9
275	Commercial printing -----	-	35	12	0.7	8.6	0.5	0.9	5.0	13.6	11.7	25.3	0.3	(NA)	(NA)
34	Fabricated metal products ---	-	18	6	1.0	12.5	0.7	1.5	8.3	30.2	23.9	53.5	1.4	1.4	18.1
	Magnolia -----	-	33	14	2.1	20.1	1.6	3.0	13.5	62.2	67.8	125.9	(D)	1.9	46.3
	Marked Tree -----	-	7	4	0.5	4.0	0.4	0.7	2.8	7.0	10.3	17.4	0.1	(NA)	(NA)
	Mena -----	-	20	7	1.1	9.1	0.9	1.8	7.5	19.3	37.6	55.8	(D)	1.3	20.0
20	Monticello -----	-	28	11	2.3	20.5	1.9	3.8	15.6	53.8	109.8	164.8	2.5	(D)	(D)
	Newport -----	-	23	10	1.8	18.3	1.5	2.9	14.6	32.4	46.9	79.6	0.7	1.5	16.6
	North Little Rock -----	-	103	31	3.4	32.5	2.5	5.0	21.2	127.7	160.4	282.6	4.4	2.2	33.3
	Osceola -----	-	16	9	3.5	30.1	3.1	6.4	24.8	95.4	82.9	170.0	(D)	2.4	54.8
20	Paris -----	-	9	5	0.7	5.3	0.5	1.0	3.4	13.5	14.4	27.5	(D)	(NA)	(NA)
	Pocahontas -----	-	30	8	2.3	18.1	2.0	3.6	13.4	54.9	41.7	93.8	(D)	(D)	(D)
	Rogers -----	-	49	19	4.2	40.3	3.4	6.4	28.0	127.7	118.0	243.0	6.0	3.6	70.5
	Food and kindred products --	-	11	5	0.5	3.9	0.4	0.7	2.3	7.2	15.5	22.7	0.3	(NA)	(NA)
20	Russellville -----	-	39	14	2.8	30.0	2.3	4.6	22.4	90.4	148.5	232.9	3.8	(D)	(D)
	Searcy -----	-	35	13	2.2	19.2	1.9	3.4	15.0	68.1	70.8	138.0	4.9	1.8	42.4
	Siloam Springs -----	-	32	10	1.8	17.0	1.4	2.8	11.3	44.0	62.9	106.0	10.0	1.6	26.6
	Springdale -----	-	60	21	3.1	24.8	2.6	5.0	19.5	103.7	203.1	300.9	5.3	4.2	52.9
201	Food and kindred products --	-	17	12	1.7	11.6	1.5	2.7	9.5	46.4	175.4	220.2	3.1	(NA)	(NA)
	Meat products -----	-	6	5	1.2	7.7	1.1	1.9	6.3	17.7	68.4	85.4	(D)	(NA)	(NA)
	Texarkana -----	-	20	8	2.6	27.7	2.0	3.6	19.9	72.3	108.0	181.5	4.6	(D)	(D)
	Van Buren -----	-	34	9	1.0	9.7	0.9	1.7	7.6	18.7	78.6	96.0	9.3	0.7	9.4
201	Walnut Ridge -----	-	15	11	1.0	6.3	0.8	1.3	4.3	21.8	26.6	47.2	1.3	0.5	4.8
	West Memphis -----	-	40	18	1.2	13.6	0.9	1.9	9.4	32.4	71.2	103.7	2.3	1.7	32.3

Note: "City" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
ARKANSAS	3595	353	-	18	124	1076	124	68	363	87	23	98	35	240	52	216	301	90	121	27	100	79
1 TO 4 EMPLOYEES	1698	109	-	4	31	705	47	9	206	34	7	36	5	93	12	78	167	29	48	11	51	16
5 TO 9 EMPLOYEES	383	30	-	-	6	97	14	4	46	12	5	4	2	54	4	21	30	4	20	5	13	12
10 TO 19 EMPLOYEES	413	44	-	2	3	94	12	5	42	11	-	15	-	49	-	39	39	6	18	5	13	16
20 TO 49 EMPLOYEES	379	57	-	1	10	81	13	15	46	9	4	10	3	23	5	30	27	9	15	-	8	13
50 TO 99 EMPLOYEES	251	46	-	1	22	51	15	12	10	8	3	11	2	10	9	10	8	12	8	-	4	10
100 TO 249 EMPLOYEES	265	41	-	4	32	37	9	13	8	8	1	8	10	10	17	17	15	9	5	4	6	11
250 TO 499 EMPLOYEES	135	17	-	3	18	9	8	5	4	2	2	10	10	1	2	15	12	7	4	-	5	1
500 TO 999 EMPLOYEES	49	8	-	4	2	2	3	3	1	1	1	2	3	3	3	5	2	8	1	1	1	1
1000 TO 2499 EMPLOYEES	20	1	-	1	1	1	3	2	1	2	-	2	-	-	-	1	1	5	2	-	-	-
2500 EMPLOYEES AND OVER	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-
ARKANSAS COUNTY	46	10	-	-	-	9	-	-	5	-	-	-	2	2	-	3	12	-	-	-	3	3
1 TO 19 EMPLOYEES	30	3	-	-	-	7	-	-	5	-	-	-	-	2	-	1	10	-	-	-	2	2
20 TO 99 EMPLOYEES	9	4	-	-	2	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	-
100 TO 249 EMPLOYEES	4	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-	1	-	-	-	1	1
250 EMPLOYEES AND OVER	3	2	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
ASHLEY COUNTY	68	-	-	-	4	40	-	7	3	1	-	-	-	3	-	2	3	1	-	-	3	3
1 TO 19 EMPLOYEES	44	-	-	-	1	32	-	4	3	1	-	-	-	3	-	2	2	1	-	-	-	1
20 TO 99 EMPLOYEES	17	-	-	-	2	6	-	4	3	1	-	-	-	3	-	1	1	1	-	-	-	1
100 TO 249 EMPLOYEES	4	-	-	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	1
250 EMPLOYEES AND OVER	3	-	-	-	1	1	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	1
BAXTER COUNTY	36	5	-	-	2	3	1	1	2	-	-	3	-	4	1	5	2	-	3	1	3	3
1 TO 19 EMPLOYEES	30	5	-	-	-	3	1	1	1	-	-	1	-	4	1	5	2	-	3	1	3	3
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	1	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	3	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BENTON COUNTY	134	26	-	2	1	20	8	1	19	1	-	6	-	7	2	7	17	5	4	-	-	5
1 TO 19 EMPLOYEES	85	12	-	-	1	18	6	-	16	1	-	3	-	7	-	3	11	2	3	-	3	2
20 TO 99 EMPLOYEES	25	8	-	-	1	2	1	-	3	1	-	1	-	7	-	1	3	2	1	-	3	2
100 TO 249 EMPLOYEES	14	4	-	2	-	1	1	1	-	-	-	1	-	-	1	2	1	1	-	-	1	1
250 EMPLOYEES AND OVER	10	2	-	-	-	-	-	-	-	-	-	1	-	-	1	2	2	2	-	-	-	-
BOONE COUNTY	52	4	-	-	1	8	4	1	5	1	-	-	-	3	2	3	10	3	2	1	2	2
1 TO 19 EMPLOYEES	34	3	-	-	3	3	2	1	4	1	-	-	-	3	3	3	8	2	2	1	2	2
20 TO 99 EMPLOYEES	12	1	-	-	4	1	1	1	1	-	-	-	-	3	2	-	1	1	-	-	1	1
100 TO 249 EMPLOYEES	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
250 EMPLOYEES AND OVER	3	-	-	-	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BRADLEY COUNTY	42	1	-	-	2	31	-	-	2	1	-	-	-	1	-	-	3	-	-	-	-	1
1 TO 19 EMPLOYEES	35	1	-	-	1	27	-	-	2	1	-	-	-	1	-	-	3	-	-	-	-	1
20 TO 99 EMPLOYEES	3	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	4	-	-	-	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CALHOUN COUNTY	16	-	-	-	1	12	-	-	2	-	-	-	-	1	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	13	-	-	-	1	11	-	-	2	-	-	-	-	1	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	3	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CARROLL COUNTY	25	7	-	-	1	1	-	2	5	-	-	-	-	6	1	1	1	1	-	-	-	1
1 TO 19 EMPLOYEES	20	4	-	-	1	1	-	2	4	-	-	-	-	6	1	1	1	-	-	-	-	1
20 TO 99 EMPLOYEES	3	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHICOT COUNTY	17	3	-	-	4	3	-	-	3	-	-	-	-	2	-	-	1	-	-	-	-	1
1 TO 19 EMPLOYEES	12	3	-	-	1	1	-	-	3	-	-	-	-	2	-	-	1	-	-	-	-	1
20 TO 99 EMPLOYEES	4	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLARK COUNTY	93	1	-	-	2	73	-	-	5	1	-	-	-	1	1	1	5	-	3	-	-	-
1 TO 19 EMPLOYEES	78	1	-	-	64	-	-	-	5	1	-	-	-	1	-	1	5	-	1	-	-	-
20 TO 99 EMPLOYEES	11	-	-	-	8	-	-	-	-	-	-	-	-	-	-	1	5	-	2	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
CLAY COUNTY	24	2	-	-	2	1	1	1	4	-	-	1	2	1	-	2	6	2	-	-	-	-
1 TO 19 EMPLOYEES	15	2	-	-	1	-	-	-	4	-	-	1	-	1	-	2	6	1	-	-	-	-
20 TO 99 EMPLOYEES	5	-	-	-	1	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
100 TO 249 EMPLOYEES	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B)																							
State, county, and employee size class ¹	All es- tabli- sh- ments	Establishments in major industry groups																					
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's	
CLEBURNE COUNTY.	23	1	-	-	2	5	2	1	2	-	-	-	-	5	-	-	2	1	2	-	-	-	
1 TO 19 EMPLOYEES.	16	1	-	-	3	3	2	2	2	-	-	-	-	5	-	-	-	1	2	-	-	-	
20 TO 99 EMPLOYEES.	6	-	-	-	1	2	-	1	-	-	-	-	-	-	-	-	2	-	-	-	-	-	
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CLEVELAND COUNTY.	23	1	-	-	1	20	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
1 TO 19 EMPLOYEES.	21	1	-	-	1	19	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
20 TO 99 EMPLOYEES.	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
COLUMBIA COUNTY.	47	3	-	-	2	23	-	-	5	2	-	3	1	1	1	4	2	-	-	-	-	-	
1 TO 19 EMPLOYEES.	30	1	-	-	1	18	-	-	4	1	-	1	1	1	-	2	2	-	-	-	-	-	
20 TO 99 EMPLOYEES.	11	2	-	-	-	4	-	-	1	1	-	1	1	-	-	1	-	-	-	-	-	-	
100 TO 249 EMPLOYEES.	3	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER.	3	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	
CONWAY COUNTY.	18	4	-	1	1	2	-	1	3	-	-	1	-	1	-	-	-	2	2	-	-	-	
1 TO 19 EMPLOYEES.	9	2	-	-	-	1	-	-	3	-	-	-	-	1	-	-	-	1	1	-	-	-	
20 TO 99 EMPLOYEES.	4	2	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	
250 EMPLOYEES AND OVER.	5	-	-	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CRAIGHEAD COUNTY.	105	9	-	-	3	9	2	1	10	4	-	3	2	10	3	13	14	10	5	3	3	1	
1 TO 19 EMPLOYEES.	66	4	-	-	2	6	2	2	8	4	-	-	-	7	2	7	11	2	4	2	2	-	
20 TO 99 EMPLOYEES.	19	1	-	-	1	2	-	1	1	-	-	-	-	2	1	2	1	6	1	1	1	-	
100 TO 249 EMPLOYEES.	14	4	-	-	1	1	-	-	1	-	-	-	1	1	-	2	2	1	1	1	1	-	
250 EMPLOYEES AND OVER.	6	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	
CRAWFORD COUNTY.	45	9	-	-	-	6	7	-	5	1	1	3	-	4	1	-	2	2	-	1	3	-	
1 TO 19 EMPLOYEES.	33	5	-	-	-	5	5	-	5	1	-	2	-	2	-	-	-	-	-	-	-	-	
20 TO 99 EMPLOYEES.	8	2	-	-	-	1	1	-	-	1	-	1	-	1	-	-	-	-	-	-	-	-	
100 TO 249 EMPLOYEES.	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CRITTENDEN COUNTY.	53	2	-	1	2	4	-	2	4	4	1	-	-	7	1	11	5	2	2	-	1	4	
1 TO 19 EMPLOYEES.	31	1	-	-	1	3	-	1	2	3	-	-	-	3	-	8	3	1	1	-	1	-	
20 TO 99 EMPLOYEES.	18	1	-	1	1	1	-	1	-	1	-	-	-	3	-	3	2	1	1	-	-	-	
100 TO 249 EMPLOYEES.	4	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
CROSS COUNTY.	21	2	-	-	1	2	-	-	4	-	-	2	1	2	1	-	4	1	1	-	-	-	
1 TO 19 EMPLOYEES.	14	1	-	-	-	2	-	-	4	-	-	-	-	2	-	-	3	1	1	-	-	-	
20 TO 99 EMPLOYEES.	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER.	3	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	
DALLAS COUNTY.	71	1	-	-	2	53	2	1	1	-	-	-	-	4	1	2	-	-	-	-	2	2	
1 TO 19 EMPLOYEES.	61	1	-	-	1	48	1	1	1	-	-	-	-	4	1	2	-	-	-	-	1	1	
20 TO 99 EMPLOYEES.	6	-	-	-	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
100 TO 249 EMPLOYEES.	3	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DESHA COUNTY.	22	2	-	-	2	5	1	1	2	2	-	-	1	1	1	1	2	1	-	-	-	-	
1 TO 19 EMPLOYEES.	12	1	-	-	-	4	-	-	2	-	-	-	-	1	-	1	-	-	-	-	-	-	
20 TO 99 EMPLOYEES.	6	1	-	-	1	1	-	1	-	-	-	-	1	-	-	1	-	-	-	-	-	-	
100 TO 249 EMPLOYEES.	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DREW COUNTY.	34	2	-	3	-	16	-	-	3	-	-	3	-	1	-	1	1	-	4	-	-	-	
1 TO 19 EMPLOYEES.	22	2	-	-	-	12	-	-	2	-	-	2	-	-	-	-	-	-	-	-	-	-	
20 TO 99 EMPLOYEES.	6	-	-	-	-	4	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER.	5	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FAULKNER COUNTY.	65	5	-	-	1	4	6	2	6	-	-	1	4	7	-	6	7	2	8	-	6	-	
1 TO 19 EMPLOYEES.	42	4	-	-	1	2	-	-	5	-	-	1	3	4	-	5	3	1	4	-	5	-	
20 TO 99 EMPLOYEES.	14	1	-	-	-	1	-	1	1	-	-	-	-	3	-	1	1	1	3	-	-	-	
100 TO 249 EMPLOYEES.	2	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER.	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FRANKLIN COUNTY.	19	5	-	-	2	1	1	1	1	-	-	1	-	5	-	2	1	-	-	-	-	-	
1 TO 19 EMPLOYEES.	11	3	-	-	1	1	-	-	1	-	-	-	-	4	-	2	-	-	-	-	-	-	
20 TO 99 EMPLOYEES.	6	1	-	-	1	1	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER.	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977—Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO ²
FULTON COUNTY	11	-	-	-	1	2	-	-	2	-	-	-	-	-	-	2	-	-	1	3	-	-
1 TO 19 EMPLOYEES	10	-	-	-	1	2	-	-	2	-	-	-	-	-	-	2	-	-	1	3	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER																						
GARLAND COUNTY	110	6	-	-	2	34	-	1	11	1	-	6	1	10	5	9	6	3	4	3	5	3
1 TO 19 EMPLOYEES	82	3	-	-	1	28	-	1	9	1	-	3	-	10	3	6	4	2	3	3	4	1
20 TO 99 EMPLOYEES	17	3	-	-	-	3	-	-	2	-	-	3	-	-	1	2	-	1	1	-	-	1
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	4	-	-	-	-	1	-	-	-	-	-	-	1	-	-	1	1	-	-	-	1	1
GRANT COUNTY	33	-	-	-	-	22	1	-	1	-	-	1	-	5	-	2	1	-	-	-	-	-
1 TO 19 EMPLOYEES	24	-	-	-	-	17	1	-	1	-	-	-	-	4	-	-	1	-	-	-	-	-
20 TO 99 EMPLOYEES	4	-	-	-	-	3	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
GREENE COUNTY	41	5	-	-	2	5	1	-	4	-	-	-	2	3	1	2	8	2	3	-	2	1
1 TO 19 EMPLOYEES	31	3	-	-	1	5	-	-	3	-	-	-	1	3	1	1	7	1	2	-	2	1
20 TO 99 EMPLOYEES	3	-	-	-	-	-	-	-	1	-	-	-	1	-	-	1	-	-	-	-	-	-
100 TO 249 EMPLOYEES	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
250 EMPLOYEES AND OVER	4	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-
HEMPSTEAD COUNTY	40	5	-	2	1	16	-	-	2	-	-	1	-	2	-	4	4	1	1	-	1	-
1 TO 19 EMPLOYEES	25	4	-	1	-	11	-	-	1	-	-	-	-	1	-	2	3	-	-	-	1	-
20 TO 99 EMPLOYEES	11	-	-	-	1	4	-	-	1	-	-	1	-	1	-	1	1	-	1	-	-	-
100 TO 249 EMPLOYEES	4	1	-	1	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
HOT SPRING COUNTY	57	2	-	-	-	34	1	-	2	1	-	2	-	4	3	2	3	-	2	-	-	1
1 TO 19 EMPLOYEES	42	2	-	-	-	30	1	-	1	-	-	1	-	1	-	1	2	-	-	-	-	-
20 TO 99 EMPLOYEES	9	-	-	-	-	3	-	-	1	1	-	1	-	2	-	1	1	-	-	-	-	-
100 TO 249 EMPLOYEES	5	-	-	-	-	1	-	-	-	-	-	1	-	1	2	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HOWARD COUNTY	37	5	-	-	2	18	-	-	1	1	-	-	-	4	-	2	4	-	-	-	-	-
1 TO 19 EMPLOYEES	23	3	-	-	1	13	-	-	1	-	-	-	-	2	-	1	3	-	-	-	-	-
20 TO 99 EMPLOYEES	5	1	-	-	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	5	1	-	-	-	1	-	-	-	-	-	-	-	2	-	1	1	-	-	-	-	-
250 EMPLOYEES AND OVER	4	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INDEPENDENCE COUNTY	46	8	-	1	1	11	1	-	1	1	1	2	1	6	-	2	6	-	2	-	2	2
1 TO 19 EMPLOYEES	31	3	-	1	-	11	-	-	1	-	-	1	-	5	-	1	6	-	1	-	-	-
20 TO 99 EMPLOYEES	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	3	2	-	-	1	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	6	1	-	-	-	-	-	-	-	1	-	-	1	-	-	1	-	-	-	-	-	-
IZARD COUNTY	22	-	-	-	-	12	-	-	2	-	-	-	1	4	-	1	1	-	1	-	-	-
1 TO 19 EMPLOYEES	19	-	-	-	-	10	-	-	-	-	-	-	-	4	-	1	1	-	-	-	-	-
20 TO 99 EMPLOYEES	3	-	-	-	-	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
JACKSON COUNTY	26	3	-	-	-	5	1	1	3	-	1	-	-	3	2	2	1	1	1	1	-	-
1 TO 19 EMPLOYEES	16	3	-	-	-	2	-	1	2	-	-	-	-	2	-	1	1	1	-	-	-	-
20 TO 99 EMPLOYEES	4	-	-	-	-	2	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	5	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JEFFERSON COUNTY	95	10	-	-	3	23	2	6	9	3	1	2	-	3	3	4	8	1	4	1	6	6
1 TO 19 EMPLOYEES	54	3	-	-	-	18	-	-	7	2	1	-	-	1	2	2	4	1	2	1	5	5
20 TO 99 EMPLOYEES	22	6	-	-	2	3	2	-	1	1	-	-	-	2	-	1	1	-	1	-	-	-
100 TO 249 EMPLOYEES	16	1	-	-	1	1	-	5	1	-	-	-	-	1	-	1	3	-	1	-	1	1
250 EMPLOYEES AND OVER	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JOHNSON COUNTY	28	3	-	-	-	9	-	-	1	-	-	3	1	1	1	-	3	1	5	-	-	-
1 TO 19 EMPLOYEES	14	1	-	-	-	6	-	-	1	-	-	3	1	1	-	-	1	1	3	-	-	-
20 TO 99 EMPLOYEES	10	-	-	-	-	2	-	-	-	-	-	2	-	1	-	-	2	1	2	-	-	-
100 TO 249 EMPLOYEES	3	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
LAFAYETTE COUNTY	41	-	-	1	3	30	1	-	1	2	3	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	36	-	-	-	3	28	-	-	1	2	3	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	3	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

(Major groups descriptions are: 20---food and kindred products; 21---tobacco manufactures; 22---textile mill products; 23---apparel and other textile products; 24---lumber and wood products; 25---furniture and fixtures; 26---paper and allied products; 27---printing and publishing; 28---chemicals and allied products; 29---petroleum and coal products; 30---rubber and miscellaneous plastics products; 31---leather and leather products; 32---stone, clay, and glass products; 33---primary metal industries; 34---fabricated metal products; 35---machinery, except electrical; 36---electric and electronic equipment; 37---transportation equipment; 38---instruments and related products; 39---miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
LAWRENCE COUNTY.	30	-	-	1	2	7	-	-	2	1	-	1	2	1	-	1	6	-	4	-	2	-
1 TO 19 EMPLOYEES.	18	-	-	1	1	6	-	-	2	-	-	-	1	1	-	1	4	-	2	-	1	-
20 TO 99 EMPLOYEES.	9	-	-	-	-	1	-	-	-	1	-	1	1	-	-	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES.	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEE COUNTY.	7	1	-	1	1	1	-	-	2	-	-	-	-	1	-	1	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	4	-	-	-	-	-	-	-	2	-	-	-	-	1	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LINCOLN COUNTY.	9	-	-	-	1	5	-	-	2	-	-	-	-	-	-	1	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	7	-	-	-	-	5	-	-	2	-	-	-	-	-	-	1	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LITTLE RIVER COUNTY.	24	-	-	-	1	15	-	1	1	-	-	-	-	2	1	-	1	-	2	-	-	-
1 TO 19 EMPLOYEES.	19	-	-	-	-	14	-	-	1	-	-	-	-	1	1	-	1	-	1	-	-	-
20 TO 99 EMPLOYEES.	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOGAN COUNTY.	23	2	-	-	2	6	1	1	2	1	-	1	1	2	-	4	4	-	3	-	1	1
1 TO 19 EMPLOYEES.	12	1	-	-	-	5	-	-	2	-	-	-	-	2	-	-	-	-	-	-	4	-
20 TO 99 EMPLOYEES.	4	1	-	-	2	1	-	-	-	-	-	1	1	-	-	-	-	-	-	-	2	-
100 TO 249 EMPLOYEES.	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LONOKE COUNTY.	38	3	-	-	3	8	1	-	5	1	-	1	1	2	-	4	4	-	3	-	1	1
1 TO 19 EMPLOYEES.	29	3	-	-	2	7	-	-	5	1	-	1	1	1	-	3	3	-	3	-	1	1
20 TO 99 EMPLOYEES.	4	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADISON COUNTY.	14	1	-	-	1	8	1	-	1	1	-	-	-	1	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	11	-	-	-	-	7	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	2	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MARION COUNTY.	14	-	-	-	-	3	-	-	1	1	-	1	-	2	1	-	-	-	3	-	2	2
1 TO 19 EMPLOYEES.	11	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-
20 TO 99 EMPLOYEES.	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MILLER COUNTY.	36	2	-	-	2	11	1	1	4	-	-	2	-	3	-	6	2	-	1	-	1	1
1 TO 19 EMPLOYEES.	27	2	-	-	1	9	-	-	2	-	-	-	-	3	-	5	2	-	-	-	-	-
20 TO 99 EMPLOYEES.	4	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	4	-	-	-	-	-	-	-	-	-	-	2	-	-	-	1	-	-	1	-	-	-
MISSISSIPPI COUNTY.	64	9	-	1	7	4	2	2	10	2	-	1	2	4	1	7	9	1	1	-	1	1
1 TO 19 EMPLOYEES.	38	4	-	-	3	3	1	1	7	1	-	-	-	4	4	5	8	1	-	-	-	-
20 TO 99 EMPLOYEES.	11	3	-	-	2	1	-	-	2	-	-	1	-	-	-	1	1	-	-	-	-	-
100 TO 249 EMPLOYEES.	8	1	-	-	2	-	-	-	1	-	-	-	2	-	-	2	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	7	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONROE COUNTY.	15	1	-	-	1	3	-	-	4	-	-	-	-	2	-	1	1	1	-	-	-	-
1 TO 19 EMPLOYEES.	12	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTGOMERY COUNTY.	28	2	-	-	1	19	-	-	2	-	-	-	2	2	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	24	2	-	-	-	17	-	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEVADA COUNTY.	20	1	-	-	1	14	-	-	1	-	-	1	-	1	-	1	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	15	1	-	-	-	12	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

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State, county, and employee size class	All es- tablish- ments	Establishments in major industry groups																					
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's	
NEWTON COUNTY. 1 TO 19 EMPLOYEES.	12 12	-	-	-	-	12 12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
OUACHITA COUNTY. 1 TO 19 EMPLOYEES.	85	8	-	-	4	43	1	4	4	2	4	1	-	3	-	3	3	1	2	-	1	1	
20 TO 99 EMPLOYEES.	60	5	-	-	1	39	1	-	1	1	1	1	-	3	-	2	2	-	2	-	1	1	
100 TO 249 EMPLOYEES.	19	3	-	2	3	1	2	3	1	1	3	-	-	-	-	1	1	-	-	-	-	-	
250 EMPLOYEES AND OVER	4	-	-	1	1	-	-	2	-	-	1	-	-	-	-	-	-	1	-	-	-	-	
PERRY COUNTY. 1 TO 19 EMPLOYEES.	3	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-		
PHILLIPS COUNTY. 1 TO 19 EMPLOYEES.	34	3	-	-	3	-	-	-	4	5	-	1	-	-	-	1	4	-	-	-	-		
20 TO 99 EMPLOYEES.	23	1	-	-	9	3	-	4	3	3	-	-	-	1	-	1	3	-	-	1	1		
100 TO 249 EMPLOYEES.	5	1	-	-	2	-	-	-	1	1	-	-	-	-	-	-	1	-	-	-	-		
250 EMPLOYEES AND OVER	3	1	-	1	1	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-		
PIKE COUNTY. 1 TO 19 EMPLOYEES.	43	2	-	-	1	36	-	-	2	-	-	-	-	2	-	-	-	-	-	-	-		
20 TO 99 EMPLOYEES.	36	1	-	-	-	31	-	-	2	-	-	-	-	2	-	-	-	-	-	-	-		
100 TO 249 EMPLOYEES.	4	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
POINSETT COUNTY. 1 TO 19 EMPLOYEES.	26	2	-	-	4	1	2	-	3	1	1	1	2	2	-	2	2	-	1	-	3		
20 TO 99 EMPLOYEES.	14	1	-	-	1	1	-	3	1	1	-	1	-	2	-	2	1	-	1	-	2		
100 TO 249 EMPLOYEES.	5	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
250 EMPLOYEES AND OVER	4	1	-	1	-	-	-	-	-	-	-	-	2	-	-	-	1	-	-	-	-		
POLK COUNTY. 1 TO 19 EMPLOYEES.	40	6	-	-	2	22	-	-	1	-	-	-	-	2	1	-	1	1	2	-	2		
20 TO 99 EMPLOYEES.	23	3	-	-	14	8	-	-	1	-	-	-	-	2	1	-	1	-	2	-	1		
100 TO 249 EMPLOYEES.	14	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
250 EMPLOYEES AND OVER	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-		
POPE COUNTY. 1 TO 19 EMPLOYEES.	55	12	-	-	1	18	1	1	3	-	-	1	1	2	1	3	7	1	-	1	1		
20 TO 99 EMPLOYEES.	37	6	-	-	1	16	1	-	2	-	-	-	-	2	-	1	6	1	-	1	1		
100 TO 249 EMPLOYEES.	8	3	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-		
250 EMPLOYEES AND OVER	4	1	-	-	-	-	-	-	-	-	-	1	1	-	-	-	1	-	-	-	-		
PRAIRIE COUNTY. 1 TO 19 EMPLOYEES.	15	-	-	-	3	7	-	-	3	-	-	-	-	-	-	-	2	-	-	-	-		
20 TO 99 EMPLOYEES.	11	-	-	-	1	5	-	-	3	-	-	-	-	-	-	-	2	-	-	-	-		
100 TO 249 EMPLOYEES.	3	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
PULASKI COUNTY. 1 TO 19 EMPLOYEES.	460	47	-	2	13	31	25	13	88	24	2	20	-	29	3	36	42	19	17	6	29		
20 TO 99 EMPLOYEES.	313	19	-	1	11	23	17	4	65	17	1	16	-	21	2	23	34	10	14	5	24		
100 TO 249 EMPLOYEES.	95	18	-	-	6	6	7	5	16	4	-	2	-	6	2	10	6	2	2	-	4		
250 EMPLOYEES AND OVER	31	8	-	1	1	1	1	1	5	2	1	1	-	2	1	2	1	1	4	1	2		
RANDOLPH COUNTY. 1 TO 19 EMPLOYEES.	41	2	-	-	-	20	2	-	1	-	-	-	2	1	-	3	3	2	4	-	1		
20 TO 99 EMPLOYEES.	32	1	-	-	-	19	2	-	1	-	-	-	1	1	-	1	3	1	2	-	-		
100 TO 249 EMPLOYEES.	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
250 EMPLOYEES AND OVER	5	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	-	1	-	-	1		
ST. FRANCIS COUNTY. 1 TO 19 EMPLOYEES.	31	3	-	-	1	10	-	-	3	1	-	1	-	1	-	3	6	2	-	-	-		
20 TO 99 EMPLOYEES.	20	2	-	-	-	7	-	-	2	1	-	1	-	1	-	2	4	-	-	-	-		
100 TO 249 EMPLOYEES.	5	1	-	-	-	3	-	-	1	-	-	-	-	-	-	1	1	-	-	-	-		
250 EMPLOYEES AND OVER	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
SALINE COUNTY. 1 TO 19 EMPLOYEES.	54	5	-	-	-	15	3	1	6	2	1	-	-	5	1	3	8	-	3	-	1		
20 TO 99 EMPLOYEES.	40	5	-	-	-	11	2	1	5	-	-	-	-	4	1	3	7	-	2	-	-		
100 TO 249 EMPLOYEES.	10	-	-	-	-	3	-	-	1	-	-	-	-	1	-	-	1	-	1	-	-		
250 EMPLOYEES AND OVER	2	-	-	-	-	1	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-		
SCOTT COUNTY. 1 TO 19 EMPLOYEES.	20	2	-	-	-	12	3	-	2	-	-	-	-	-	-	-	-	-	-	-	-		
20 TO 99 EMPLOYEES.	17	1	-	-	-	11	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-		
100 TO 249 EMPLOYEES.	1	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

(Major groups descriptions are: 20---food and kindred products; 21---tobacco manufactures; 22---textile mill products; 23---apparel and other textile products; 24---lumber and wood products; 25---furniture and fixtures; 26---paper and allied products; 27---printing and publishing; 28---chemicals and allied products; 29---petroleum and coal products; 30---rubber and miscellaneous plastics products; 31---leather and leather products; 32---stone, clay, and glass products; 33---primary metal industries; 34---fabricated metal products; 35---machinery, except electrical; 36---electric and electronic equipment; 37---transportation equipment; 38---instruments and related products; 39---miscellaneous manufacturing industries. For explanation of terms, see appendix B)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
SEARCY COUNTY	14	1	-	-	2	7	1	-	-	1	-	-	-	-	-	-	-	1	-	-	1	-
1 TO 19 EMPLOYEES	10	1	-	-	1	5	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	3	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SEBASTIAN COUNTY	226	26	-	1	7	15	29	11	23	2	1	14	-	18	4	20	26	6	5	5	6	6
1 TO 19 EMPLOYEES	132	10	-	1	13	12	13	2	18	2	1	7	-	13	1	15	18	1	4	4	3	3
20 TO 99 EMPLOYEES	57	11	-	4	3	12	8	6	1	1	4	4	-	1	1	1	5	1	1	1	2	2
100 TO 249 EMPLOYEES	19	1	-	-	-	3	2	2	1	-	2	2	-	1	2	3	3	2	1	1	1	1
250 EMPLOYEES AND OVER	18	3	-	-	-	-	6	1	1	-	1	1	-	-	-	1	3	2	-	-	-	2
SEVIER COUNTY	30	3	-	1	1	17	1	-	2	-	1	1	-	2	-	-	-	-	-	-	1	2
1 TO 19 EMPLOYEES	23	2	-	1	1	16	1	-	2	-	-	-	-	2	-	-	-	-	-	-	-	2
20 TO 99 EMPLOYEES	3	-	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHARP COUNTY	12	2	-	-	-	4	1	-	2	-	-	-	-	2	-	-	-	-	-	-	1	-
1 TO 19 EMPLOYEES	10	2	-	-	3	3	1	-	2	-	-	-	-	2	-	-	-	-	-	-	1	-
20 TO 99 EMPLOYEES	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
STONE COUNTY	13	1	-	1	1	7	-	-	1	-	-	-	-	1	-	-	1	1	-	-	-	-
1 TO 19 EMPLOYEES	12	1	-	1	1	7	-	-	1	-	-	-	-	1	-	-	1	1	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UNION COUNTY	116	6	-	2	55	47	1	2	5	9	5	1	-	6	2	3	5	3	3	1	2	5
1 TO 19 EMPLOYEES	86	3	-	2	47	3	1	2	3	4	2	2	-	6	2	2	5	3	3	1	1	1
20 TO 99 EMPLOYEES	13	1	-	-	5	5	-	-	2	2	1	-	-	-	-	1	-	1	1	-	-	1
100 TO 249 EMPLOYEES	11	1	-	-	-	-	-	-	-	1	1	1	-	-	-	-	-	1	1	-	-	1
250 EMPLOYEES AND OVER	6	1	-	-	-	-	-	-	-	1	-	-	-	-	-	1	3	-	-	-	-	1
VAN BUREN COUNTY	14	1	-	1	-	3	-	-	1	-	-	1	-	-	1	1	3	-	-	-	-	-
1 TO 19 EMPLOYEES	12	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WASHINGTON COUNTY	135	30	-	1	11	8	2	-	18	4	2	4	-	10	2	11	14	6	5	-	8	6
1 TO 19 EMPLOYEES	93	11	-	-	2	1	1	-	14	3	2	3	-	10	2	8	13	4	5	-	6	2
20 TO 99 EMPLOYEES	24	12	-	-	2	1	-	-	3	1	1	1	-	10	2	1	1	1	5	-	2	2
100 TO 249 EMPLOYEES	6	3	-	-	1	-	-	-	1	1	-	-	-	-	-	1	-	1	1	-	1	1
250 EMPLOYEES AND OVER	12	4	-	1	-	-	-	-	1	-	-	-	-	-	-	2	-	2	-	-	-	1
WHITE COUNTY	59	11	-	1	15	13	3	2	5	2	-	-	-	4	3	5	4	2	-	-	-	-
1 TO 19 EMPLOYEES	39	6	-	1	13	2	1	2	4	2	-	-	-	1	1	2	3	1	-	-	-	-
20 TO 99 EMPLOYEES	10	3	-	-	2	2	-	-	1	-	-	-	-	-	2	1	1	-	-	-	-	-
100 TO 249 EMPLOYEES	5	1	-	1	-	-	-	-	-	-	-	-	-	-	1	1	-	2	-	-	-	-
250 EMPLOYEES AND OVER	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WOODRUFF COUNTY	13	1	-	2	3	2	-	1	2	-	-	-	-	1	-	1	-	-	1	-	-	-
1 TO 19 EMPLOYEES	8	1	-	1	2	1	-	1	2	-	-	-	-	1	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	1	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
YELL COUNTY	38	5	-	-	21	18	-	-	5	-	-	-	-	1	-	2	-	1	1	-	-	2
1 TO 19 EMPLOYEES	32	2	-	-	10	3	-	-	5	-	-	-	-	1	-	2	-	1	1	-	-	2
20 TO 99 EMPLOYEES	4	1	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: Data on number of establishments by employment size class by 4-digit SIC industry for States, counties, and selected cities are presented in Location of Manufacturing Plants section. This series is available only on computer tape (see Introduction).

Represents zero.

- Represents zero.
 1 Only those counties and size classes that include data for manufacturing establishments are shown.

California

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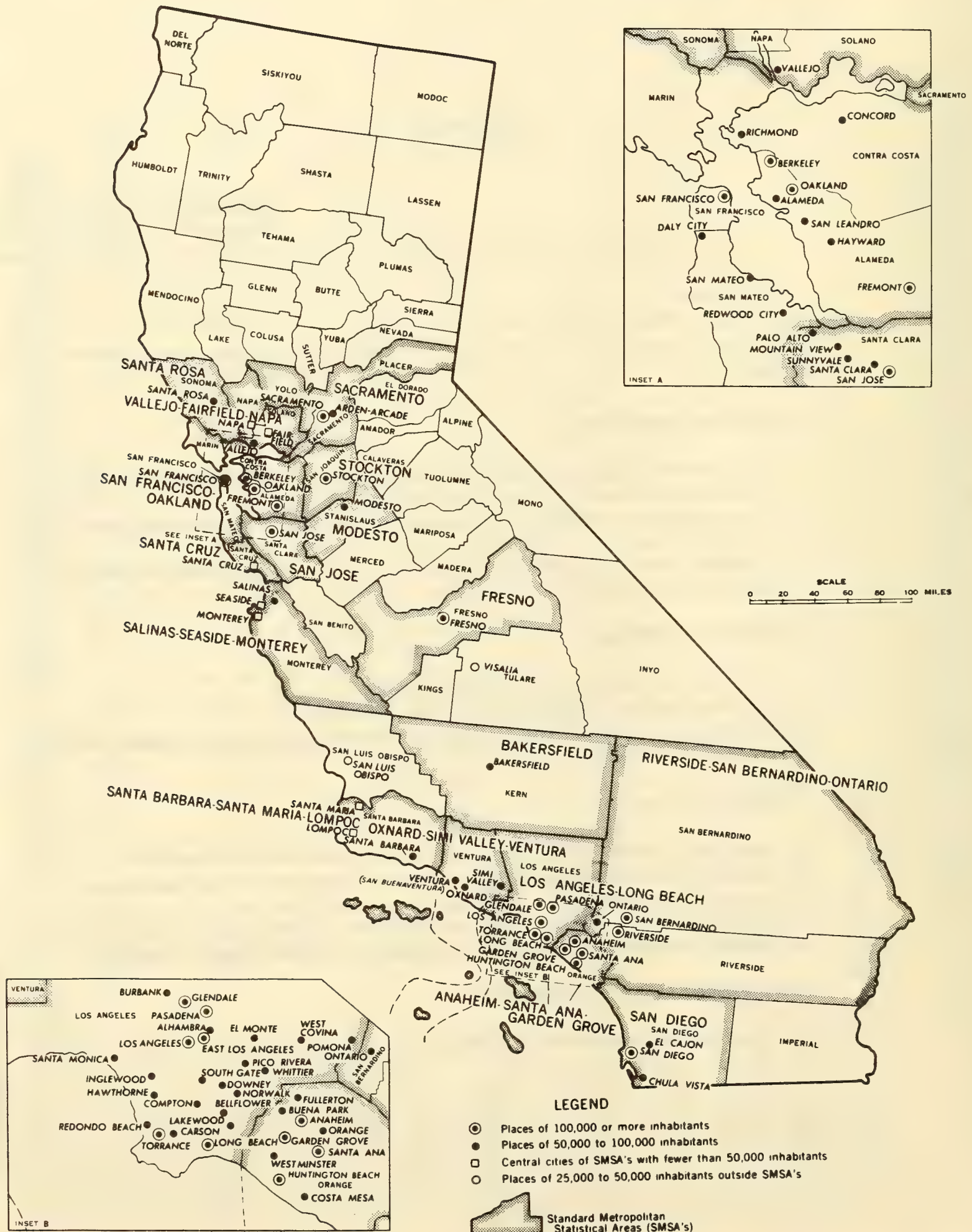
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CALIFORNIA



SUMMARY OF FINDINGS

In 1977, 1,751.5 thousand persons were employed in California's manufacturing establishments. This figure represented an increase of 13 percent from the 1972 figure of 1,545.1 thousand workers.

The total value added by manufacture for the State amounted to \$54,862 million in 1977, an increase of approximately 76 percent from the 1972 figure of \$31,175 million. All dollar figures in this report are in current dollars and are, therefore, not adjusted for changes in price levels.

In the State, the most important industry groups ranked by employment were transportation equipment; electric and electronic equipment; machinery, except electrical; and food and kindred products. They accounted for approximately 47 percent of the State's 1977 employment. These same industry groups were in the forefront for 1972 when they accounted for approximately 53 percent of the State's employment.

The most important counties in the State ranked by employment were Los Angeles, Santa Clara, Orange, and Alameda. They accounted for approximately 73 percent of the State's 1977 manufacturing employment. In 1972, these same counties accounted for approximately 72 percent of the State's employment.

The methods of data collection and use of administrative records data are discussed in detail in the Introduction. Small single-unit companies with up to 20 employees (the cutoff varied by industry) were excluded from the mail portion of the census. For these establishments (and a small number of larger establishments whose reports were not received in time to be tabulated), statistics on payrolls and receipts were obtained from administrative records of other government agencies. Other statistics were developed from industry averages. For this State, these establishments accounted for 6 percent of the total value of shipments.

Table 1. Historical Employment Statistics for Operating Manufacturing Establishments and Central Administrative Offices: 1977 and Earlier Years

(For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

State, standard metropolitan statistical area, and year	All establishments		Operating manufacturing establishments		Central administrative offices and auxiliaries ¹	
	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)
California:						
1977.....	1,751.5	24,671.5	1,682.9	23,248.3	68.6	1,423.2
1972.....	1,545.1	15,483.1	1,480.4	14,623.6	65.5	859.5
1967.....	1,583.5	12,514.5	1,537.6	12,024.4	45.9	490.2
1963.....	1,397.6	9,612.2	1,350.7	9,173.2	46.9	439.0
STANDARD METROPOLITAN STATISTICAL AREAS						
Anaheim-Santa Ana-Garden Grove:						
1977.....	177.5	2,479.2	172.3	2,377.7	5.2	101.5
1972.....	131.0	1,369.0	127.8	1,320.2	3.2	48.8
1967.....	125.8	1,106.8	124.2	1,090.1	1.6	16.7
1963.....	96.9	687.3	93.7	662.8	3.2	24.5
Bakersfield:						
1977.....	9.1	132.2	9.0	130.8	.1	1.4
1972.....	6.6	58.6	6.6	58.2	(Z)	.4
1967.....	6.0	43.0	6.0	42.7	(Z)	.3
1963.....	5.8	38.4	5.8	38.1	(Z)	.3
Fresno:						
1977.....	21.8	265.1	21.5	258.4	.3	6.7
1972.....	18.6	149.0	18.2	144.7	.4	4.3
1967.....	15.5	91.7	15.4	91.0	.1	.7
1963.....	14.3	75.0	14.3	74.6	.1	.3
Los Angeles-Long Beach:						
1977.....	825.5	11,257.9	798.4	10,690.8	27.1	567.1
1972.....	778.9	7,653.6	753.1	7,333.5	25.8	320.1
1967.....	855.4	6,692.5	836.8	6,484.1	18.6	208.4
1963.....	745.0	5,118.5	727.0	4,939.2	18.0	179.3
Modesto:						
1977.....	18.8	242.1	18.3	231.6	.5	10.5
1972.....	15.6	129.1	15.3	124.4	.3	4.7
Oxnard-Simi Valley-Ventura:						
1977.....	18.9	251.9	17.8	237.4	1.1	14.5
1972.....	14.8	142.2	14.5	137.8	.3	4.4
1967.....	10.8	83.2	(D)	(D)	(D)	(D)
Riverside-San Bernardino-Ontario:						
1977.....	59.6	784.3	59.0	770.5	.6	13.8
1972.....	56.3	513.2	55.9	505.6	.4	7.6
1967.....	46.4	340.7	46.3	338.8	.1	1.9
1963.....	37.5	238.7	37.5	238.6	(Z)	.2
Sacramento:						
1977.....	25.6	352.6	25.4	350.8	.2	1.8
1972.....	21.9	213.9	21.7	213.2	.2	.7
1967.....	26.6	227.1	(D)	(D)	(D)	(D)
1963.....	35.3	272.2	35.2	272.0	(Z)	.2
Salinas-Seaside-Monterey:						
1977.....	8.9	108.1	8.9	107.7	(Z)	.4
1972.....	7.5	65.8	7.5	65.6	(Z)	.2
1967.....	7.0	43.9	7.0	43.9	-	-
San Diego:						
1977.....	79.1	1,101.8	78.3	1,087.5	.8	14.3
1972.....	64.9	658.4	63.3	639.6	1.6	18.8
1967.....	63.5	521.1	61.1	493.7	2.4	27.4
1963.....	60.3	453.0	(D)	(D)	(D)	(D)
San Francisco-Oakland:						
1977.....	193.3	3,046.2	171.5	2,554.0	21.8	492.2
1972.....	184.8	1,959.7	163.5	1,676.3	21.3	283.4
1967.....	197.9	1,578.0	180.8	1,399.6	17.0	178.3
1963.....	196.2	1,356.6	178.2	1,188.9	18.0	167.8
San Jose:						
1977.....	181.4	2,954.5	173.0	2,800.4	8.4	154.1
1972.....	134.4	1,594.6	123.7	1,448.9	10.7	145.7
1967.....	120.3	1,001.3	115.4	1,035.4	4.9	45.9
1963.....	94.7	739.9	93.2	726.3	1.6	13.5
Santa Barbara-Santa Maria-Lompoc:						
1977.....	15.5	206.0	14.1	173.8	1.4	32.2
1972.....	10.1	99.5	9.4	84.9	.7	14.6
1967.....	8.5	56.1	8.4	55.5	.1	.6
1963.....	7.9	51.9	5.1	29.4	2.7	22.5

See footnotes at end of table.

Table 1. Historical Employment Statistics for Operating Manufacturing Establishments and Central Administrative Offices: 1977 and Earlier Years—Con.

For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

State, standard metropolitan statistical area, and year	All establishments		Operating manufacturing establishments		Central administrative offices and auxiliaries ¹	
	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)
STANDARD METROPOLITAN STATISTICAL AREAS--Con.						
Santa Cruz:						
1977.....	8.0	87.4	(D)	(D)	(D)	(D)
1972.....	6.9	50.9	(D)	(D)	(D)	(D)
Santa Rosa:						
1977.....	11.0	137.9	(D)	(D)	(D)	(D)
1972.....	7.9	63.9	(D)	(D)	(D)	(D)
Stockton:						
1977.....	20.9	279.9	(D)	(D)	(D)	(D)
1972.....	18.2	168.1	(D)	(D)	(D)	(D)
1967.....	16.5	113.1	(D)	(D)	(D)	(D)
1963.....	14.4	84.4	(D)	(D)	(D)	(D)
Vallejo-Fairfield-Napa:						
1977.....	9.0	123.2	(D)	(D)	(D)	(D)
1972.....	6.2	56.5	(D)	(D)	(D)	(D)
1967.....	6.1	42.5	(D)	(D)	(D)	(D)
1963.....	4.5	26.3	(D)	(D)	(D)	(D)

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Defined in appendix B. Data for these establishments are included at the total manufacturing level in each table in this report. Data for these establishments are shown separately in tables 5 and 9 and included in State, SMSA, county, or city totals in other tables.

Table 2a. Historical Statistics for the State and Selected Standard Metropolitan Statistical Areas:
1977 and Earlier Years

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see Appendix A.)																
Year ¹	Establishments ²		All employees ²		Production workers			Value added by manufacture				New capital expenditures (million dollars)	Comparative indexes and U.S. employment		United States	
	Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)	(million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	Percent of U.S. manufacturing employment (per cent)		Index of State employment change (1977=100)	Index of manufacturing employment change (1977=100)	U.S. manufacturing employment (1,000)	
CALIFORNIA																
1977 CENSUS.	45 289	12 883	1 751.5	24 671.5	1 142.6	2 224.2	13 150.5	54 862.4	66 881.2	120 895.8	3 385.4	8.94	100	100	19 596.9	
1976 ASM....	(NA)	(NA)	1 600.1	21 214.7	1 041.3	2 021.8	11 202.3	46 297.4	56 155.6	102 041.0	2 867.1	8.53	91	96	18 753.0	
1975 ASM....	(NA)	(NA)	1 540.5	19 303.2	993.4	1 920.3	10 189.9	40 082.4	49 328.1	89 415.1	2 572.8	8.42	88	94	18 302.2	
1974 ASM....	(NA)	(NA)	1 657.2	18 872.8	1 088.8	2 115.1	10 109.1	40 599.3	46 998.5	86 449.7	2 583.6	8.35	95	102	19 844.8	
1973 ASM....	(NA)	(NA)	1 641.2	17 118.9	1 098.0	2 134.2	9 413.9	36 759.0	38 699.7	73 880.5	1 917.2	8.25	94	102	19 897.9	
1972 CENSUS.	35 699	11 149	1 545.1	15 483.1	1 020.0	1 974.9	8 430.4	31 175.2	32 603.2	62 902.6	1 649.0	8.12	88	98	19 028.7	
1971 ASM....	(NA)	(NA)	1 447.3	13 799.1	937.2	1 843.5	7 382.3	27 568.2	27 541.7	54 440.3	1 416.9	7.88	83	94	18 363.1	
1970 ASM....	(NA)	(NA)	1 553.1	14 056.8	1 003.9	1 981.3	7 556.3	26 358.3	26 435.4	52 357.2	1 567.4	8.08	89	99	19 217.2	
1969 ASM....	(NA)	(NA)	1 631.8	14 151.1	1 075.2	2 119.6	7 701.1	27 016.9	27 242.9	53 937.0	1 720.9	8.14	93	103	20 035.5	
1968 ASM....	(NA)	(NA)	1 610.3	13 378.9	1 061.6	2 112.9	7 377.8	25 348.3	26 162.1	51 134.6	1 536.3	8.25	92	100	19 527.6	
1967 CENSUS.	31 962	10 012	1 583.5	12 514.5	1 044.9	2 089.7	6 877.8	23 393.6	24 156.7	47 106.1	1 529.2	8.19	90	99	19 323.2	
1966 ASM....	(NA)	(NA)	1 501.8	11 381.4	984.0	1 981.9	6 266.6	21 331.1	23 030.7	43 705.5	1 471.2	7.89	86	98	19 024.5	
1965 ASM....	(NA)	(NA)	1 400.6	10 301.3	911.8	1 838.2	5 582.6	18 950.3	20 949.6	39 495.4	1 181.5	7.78	80	92	18 010.2	
1964 ASM....	(NA)	(NA)	1 383.7	9 904.7	879.7	1 770.2	5 234.5	18 016.9	19 667.8	37 514.0	1 032.4	8.01	79	89	17 268.5	
1963 CENSUS.	32 201	9 079	1 397.6	9 612.2	897.5	1 791.4	5 195.2	17 185.0	(NA)	(NA)	985.1	8.24	80	87	16 958.4	
LOS ANGELES-LONG BEACH-ANAHEIM SCSA																
1977 CENSUS.	28 032	8 368	1 081.6	14 773.3	720.4	1 404.2	7 969.1	32 364.2	35 976.1	67 927.6	1 774.7	5.52	100	100	19 596.9	
1972 CENSUS.	22 464	7 266	982.1	9 678.0	657.9	1 277.2	5 309.1	19 274.9	18 628.6	37 166.3	921.1	5.16	91	98	19 028.7	
SAN FRANCISCO-OAKLAND-SAN JOSE SCSA																
1977 CENSUS.	8 726	2 379	383.6	6 123.9	214.6	419.3	2 800.7	13 362.3	17 301.3	30 395.0	915.0	1.96	100	100	19 596.9	
1972 CENSUS.	6 852	2 102	322.5	3 610.8	185.9	357.9	1 695.7	6 879.7	7 783.2	1 450.4	397.9	1.69	84	98	19 028.7	
ANAHEIM-SANTA ANA-GARDEN GROVE SMSA																
1977 CENSUS.	4 703	1 225	177.5	2 479.2	113.0	222.6	1 258.6	5 280.9	4 342.8	9 537.3	312.9	.91	100	100	19 596.9	
1976 ASM....	(NA)	(NA)	158.5	2 075.4	98.8	194.5	1 037.6	4 358.2	3 528.6	7 824.5	234.4	.85	89	96	18 753.0	
1975 ASM....	(NA)	(NA)	148.6	1 838.3	92.8	182.2	917.7	3 709.9	3 162.3	6 892.0	196.0	.81	84	94	18 302.2	
1974 ASM....	(NA)	(NA)	152.5	1 702.1	95.6	188.0	870.3	3 675.3	2 991.3	6 491.2	232.2	.77	86	102	19 844.8	
1973 ASM....	(NA)	(NA)	144.3	1 536.9	91.4	179.4	783.7	3 085.7	2 261.4	5 304.5	149.6	.73	81	102	19 897.9	
1972 CENSUS.	2 817	836	131.0	1 369.0	82.0	161.4	678.7	2 734.4	1 962.5	4 682.3	144.3	.69	74	98	19 028.7	
LOS ANGELES-LONG BEACH SMSA																
1977 CENSUS.	21 119	6 543	825.5	11 257.9	550.3	1 074.0	6 058.2	24 701.8	29 053.8	53 467.8	1 162.4	4.21	100	100	19 596.9	
1976 ASM....	(NA)	(NA)	759.9	9 834.7	506.6	985.2	5 237.2	21 000.3	24 573.0	45 571.4	999.6	4.05	92	96	18 753.0	
1975 ASM....	(NA)	(NA)	747.6	9 182.5	493.4	955.1	4 885.6	18 372.3	22 416.6	40 901.7	984.0	4.08	91	94	18 302.2	
1974 ASM....	(NA)	(NA)	792.0	8 944.8	531.3	1 032.7	4 813.0	18 641.3	20 678.6	39 031.2	947.6	3.99	96	102	19 844.8	
1973 ASM....	(NA)	(NA)	816.7	8 376.5	554.6	1 083.9	4 640.7	18 136.0	17 694.8	34 562.3	750.0	4.10	99	102	19 897.9	
1972 CENSUS.	18 017	5 908	778.9	7 653.6	524.7	1 015.4	4 213.1	15 234.9	15 326.5	29 869.4	692.3	4.09	94	98	19 028.7	
1971 ASM....	(NA)	(NA)	741.0	6 985.7	486.2	953.4	3 731.6	13 691.8	12 949.2	25 888.0	566.2	4.04	90	94	18 363.1	
1970 ASM....	(NA)	(NA)	812.7	7 228.6	532.7	1 051.2	3 923.1	13 159.5	12 574.6	25 341.6	730.7	4.23	98	99	19 217.2	
1969 ASM....	(NA)	(NA)	864.2	7 408.9	581.8	1 143.5	4 091.3	13 526.7	12 995.5	26 448.7	845.8	4.31	105	103	20 035.5	
1968 ASM....	(NA)	(NA)	852.9	6 986.7	578.3	1 159.7	3 964.2	12 723.2	12 786.2	25 366.4	661.7	4.37	103	100	19 527.6	
1967 CENSUS.	17 246	5 705	855.4	6 692.5	579.3	1 163.4	3 780.9	12 088.2	11 776.3	23 727.4	702.1	4.43	104	99	19 323.2	
1966 ASM....	(NA)	(NA)	812.4	6 095.0	540.1	1 100.8	3 404.9	11 164.2	11 384.3	22 175.2	553.8	4.27	98	98	19 024.5	
1965 ASM....	(NA)	(NA)	764.9	5 590.7	504.8	1 031.4	3 044.4	9 840.4	10 442.2	20 070.6	419.3	4.25	93	92	18 010.2	
1964 ASM....	(NA)	(NA)	743.4	5 321.5	483.2	973.1	2 842.9	9 151.7	9 422.6	18 596.3	410.2	4.30	90	89	17 268.5	
1963 CENSUS.	17 679	5 186	745.0	5 118.5	494.2	993.5	2 747.0	8 980.9	(NA)	(NA)	389.4	4.39	90	87	16 958.4	
RIVERSIDE-SAN BERNARDINO-ONTARIO SMSA																
1977 CENSUS.	1 681	461	59.6	784.3	44.8	83.5	518.3	1 846.8	2 091.5	3 918.7	257.8	.30	100	100	19 596.9	
1976 ASM....	(NA)	(NA)	54.4	658.9	40.7	74.7	440.1	1 519.2	1 721.2	3 217.2	143.1	.29	91	96	18 753.0	
1975 ASM....	(NA)	(NA)	51.6	601.2	38.1	71.2	395.2	1 274.9	1 425.6	2 714.3	103.7	.28	87	94	18 302.2	
1974 ASM....	(NA)	(NA)	58.1	612.2	43.9	85.2	418.2	1 405.4	1 518.9	2 838.4	91.5	.29	97	102	19 844.8	
1973 ASM....	(NA)	(NA)	62.1	581.9	46.3	89.9	389.8	1 190.1	1 330.4	2 535.1	63.1	.31	104	102	19 897.9	
1972 CENSUS.	1 311	407	56.3	513.2	41.1	80.4	339.3	996.7	1 124.5	2 125.0	63.1	.30	94	98	19 028.7	
1971 ASM....	(NA)	(NA)	50.5	436.2	37.3	75.1	268.8	931.7	809.3	1 716.0	66.2	.28	85	94	18 363.1	
1970 ASM....	(NA)	(NA)	53.4	451.2	40.3	78.5	303.7	826.3	793.0	1 665.8	60.9	.28	90	99	19 217.2	
1969 ASM....	(NA)	(NA)	53.3	421.8	40.0	77.7	282.5	898.6	807.2	1 641.6	69.7	.27	89	103	20 035.5	
1968 ASM....	(NA)	(NA)	49.6	384.3	37.4	73.0	259.7	789.3	709.9	1 471.9	59.2	.25	83	100	19 527.6	
1967 CENSUS.	1 033	279	46.4	340.7	35.0	69.0	229.9	678.7	696.1	1 392.5	56.6	.24	78	99	19 323.2	
1966 ASM....	(NA)	(NA)	44.8	306.2	33.1	63.7	202.8	633.6	577.2	1 183.1	104.0	.24	75	98	19 024.5	
1965 ASM....	(NA)	(NA)	41.8	277.6	31.1	60.6	183.9	616.8	515.8	1 108.5	64.6	.23	70	92	18 010.2	
1964 ASM....	(NA)	(NA)	37.7	245.2	27.8	57.6	161.7	562.3	449.2	1 003.3	43.5	.22	63	89	17 268.5	
1963 CENSUS.	957	218	37.5	238.7	27.6	54.6	157.2	493.8	(NA)	(NA)	44.1	.22	63	87	16 958.4	

See footnotes at end of table.

**Table 2a. Historical Statistics for the State and Selected Standard Metropolitan Statistical Areas:
1977 and Earlier Years—Con.**

Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Establishments ²		All employees ²		Production workers				Comparative indexes and U.S. employment				
									Percent of U.S. manufacturing employment (percent)	Index of State employment change (1977=100)	United States		
	Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (million)	Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	Index of manufacturing employment change (1977=100)	U.S. manufacturing employment (1,000)
SAN DIEGO SMSA													
1977 CENSUS.	2 013	464	79.1	1 101.8	51.2	97.5	563.3	2 173.9	1 986.1	4 122.6	119.4	.40	100
1976 ASM....	(NA)	(NA)	75.3	999.7	45.9	86.5	503.8	1 856.2	1 578.0	3 428.6	133.0	.40	95
1975 ASM....	(NA)	(NA)	70.5	885.6	43.8	87.3	478.5	1 678.9	1 419.0	3 067.9	112.0	.39	89
1974 ASM....	(NA)	(NA)	74.2	835.3	48.4	94.3	472.7	1 417.7	1 342.9	2 837.1	74.6	.37	94
1973 ASM....	(NA)	(NA)	70.0	737.7	46.3	82.9	392.1	1 332.1	1 197.1	2 491.6	83.5	.35	88
1972 CENSUS.	1 389	364	64.9	658.4	42.2	82.6	367.3	1 185.2	909.6	2 102.4	53.4	.34	82
1971 ASM....	(NA)	(NA)	68.6	659.0	45.9	84.8	376.1	1 049.4	770.0	1 879.5	67.1	.37	87
1970 ASM....	(NA)	(NA)	72.7	671.7	47.8	90.3	376.7	1 132.6	740.7	1 824.0	66.9	.38	92
1969 ASM....	(NA)	(NA)	73.7	666.7	47.7	91.7	366.2	1 045.6	737.2	1 734.7	73.7	.37	93
1968 ASM....	(NA)	(NA)	67.9	591.6	44.6	85.7	339.8	904.4	698.7	1 547.5	44.3	.35	86
1967 CENSUS.	1 032	254	63.5	521.1	41.1	82.2	293.7	803.8	609.7	1 407.5	47.3	.33	80
1966 ASM....	(NA)	(NA)	56.5	457.3	35.6	70.0	251.1	685.7	516.3	1 162.2	27.9	.30	71
1965 ASM....	(NA)	(NA)	47.5	403.1	30.2	60.9	208.5	624.8	399.8	1 005.0	16.2	.26	60
1964 ASM....	(NA)	(NA)	57.9	440.6	29.0	56.5	177.8	706.5	420.2	1 129.2	17.7	.34	73
1963 CENSUS.	920	191	60.3	453.1	30.2	58.9	186.9	661.4	(NA)	(NA)	13.9	.36	76
SAN FRANCISCO-OAKLAND SMSA													
1977 CENSUS.	5 780	1 538	193.3	3 046.2	119.2	231.9	1 611.3	6 817.2	11 077.2	17 761.3	377.2	.99	100
1976 ASM....	(NA)	(NA)	178.7	2 580.8	113.8	218.2	1 396.4	5 601.5	9 894.2	15 492.8	434.6	.95	92
1975 ASM....	(NA)	(NA)	173.4	2 321.1	107.1	202.8	1 229.9	5 059.1	8 005.3	13 026.4	419.4	.95	90
1974 ASM....	(NA)	(NA)	191.7	2 311.0	118.5	224.8	1 232.6	5 160.2	8 176.4	13 119.6	428.2	.97	99
1973 ASM....	(NA)	(NA)	188.9	2 109.2	123.3	236.7	1 194.0	4 429.5	6 234.2	10 608.8	308.1	.95	98
1972 CENSUS.	4 940	1 488	184.8	1 959.7	116.6	221.0	1 077.0	3 807.9	5 146.2	8 954.3	216.5	.97	96
1971 ASM....	(NA)	(NA)	185.7	1 813.8	118.5	224.6	997.0	3 772.1	4 744.3	8 510.1	205.4	1.01	96
1970 ASM....	(NA)	(NA)	195.7	1 827.0	125.9	240.1	1 008.7	3 571.3	4 614.0	8 201.5	234.1	1.02	101
1969 ASM....	(NA)	(NA)	200.9	1 800.2	132.8	257.1	1 024.1	3 639.6	4 982.5	8 606.5	227.7	1.00	104
1968 ASM....	(NA)	(NA)	196.4	1 670.1	129.4	252.4	956.3	3 482.7	4 668.2	8 124.4	194.2	1.01	102
1967 CENSUS.	4 719	1 456	197.9	1 578.0	128.9	250.7	897.1	3 160.1	4 346.3	7 471.7	199.9	1.02	102
1966 ASM....	(NA)	(NA)	200.1	1 536.3	129.3	252.9	877.2	3 069.2	4 274.2	7 288.6	233.5	1.05	104
1965 ASM....	(NA)	(NA)	194.4	1 443.7	124.0	241.0	813.5	2 780.2	4 029.6	6 769.0	271.4	1.08	101
1964 ASM....	(NA)	(NA)	193.2	1 401.1	123.6	245.3	790.2	2 678.1	3 772.6	6 407.8	174.7	1.12	100
1963 CENSUS.	4 922	1 402	196.2	1 356.6	125.9	243.6	766.3	2 567.6	(NA)	(NA)	188.0	1.16	102
SAN JOSE SMSA													
1977 CENSUS.	2 671	762	181.4	2 954.5	89.0	175.1	1 110.0	6 205.7	5 261.6	11 339.0	509.4	.93	100
1976 ASM....	(NA)	(NA)	165.7	2 456.3	73.8	151.8	865.9	4 938.9	4 103.5	8 943.0	313.7	.88	91
1975 ASM....	(NA)	(NA)	149.2	2 213.1	70.0	137.5	791.5	4 118.2	3 483.0	7 577.5	227.3	.82	82
1974 ASM....	(NA)	(NA)	159.4	2 196.4	79.8	160.5	801.6	4 182.6	3 649.7	7 669.0	288.9	.80	88
1973 ASM....	(NA)	(NA)	145.4	1 804.2	73.1	147.3	683.9	3 317.3	3 012.1	6 261.8	236.6	.73	80
1972 CENSUS.	1 738	558	134.4	1 594.6	64.8	128.3	581.8	2 873.1	2 318.5	5 084.9	164.7	.71	74
1971 ASM....	(NA)	(NA)	112.6	1 248.8	54.3	109.8	461.0	2 192.0	1 825.0	4 036.9	109.7	.61	62
1970 ASM....	(NA)	(NA)	124.1	1 287.8	58.8	117.5	482.0	2 264.9	1 802.6	4 026.6	135.0	.65	68
1969 ASM....	(NA)	(NA)	125.1	1 237.3	62.4	126.9	491.5	2 380.8	1 819.0	4 201.8	148.1	.62	69
1968 ASM....	(NA)	(NA)	126.6	1 208.6	62.4	125.2	477.4	2 214.3	1 813.6	4 009.6	153.0	.65	70
1967 CENSUS.	1 251	431	120.3	1 081.3	58.7	119.9	416.5	1 907.5	1 802.5	3 654.7	164.2	.62	66
1966 ASM....	(NA)	(NA)	106.9	935.2	54.4	111.8	365.8	1 739.5	1 673.5	3 304.9	123.3	.56	59
1965 ASM....	(NA)	(NA)	92.6	783.3	45.8	93.7	301.4	1 426.9	1 427.7	2 775.4	67.8	.51	51
1964 ASM....	(NA)	(NA)	92.2	719.4	45.5	91.7	284.9	1 224.0	1 409.8	2 633.6	46.4	.53	51
1963 CENSUS.	(NA)	(NA)	94.7	739.9	47.3	94.9	286.6	1 210.3	(NA)	(NA)	64.3	.56	52

NA Not available.

¹In annual survey of manufactures (ASM years, data are estimates based on a representative sample of establishments canvassed annually and may differ from results of a complete canvass of all establishments. ASM publication shows percentage standard errors. Unless otherwise noted, for data prior to 1963, see 1963 Census of Manufactures, vol. III, table I of State chapter.

²Including central administrative offices and auxiliaries (for definition, see appendix B).

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

**Table 2b. Selected Operating Ratios for the State and Selected Standard Metropolitan Statistical Areas:
1977 and Earlier Years**

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials as percent of value of shipments (percent)	Cost of materials and payroll as percent of value of shipments (percent)	Value added per employee (dollars)	Payroll as percent of value added (percent)	Value added per production worker hour (dollars)
CALIFORNIA									
1977 CENSUS.....	14 086	65	1 947	5.91	55	76	31 323	45	24.67
1976 ASM.....	13 258	65	1 942	5.54	55	76	28 934	46	22.90
1975 ASM.....	12 530	64	1 933	5.31	55	77	26 019	48	20.87
1974 ASM.....	11 388	66	1 943	4.78	54	76	24 497	46	19.19
1973 ASM.....	10 431	67	1 944	4.41	52	76	22 398	47	17.22
1972 CENSUS.....	10 016	66	1 936	4.26	52	76	20 179	50	15.80
1971 ASM.....	9 534	65	1 967	4.00	51	76	19 048	50	14.95
1970 ASM.....	9 051	65	1 974	3.81	50	77	16 971	53	13.30
1969 ASM.....	8 672	66	1 971	3.63	51	77	16 557	52	12.75
1968 ASM.....	8 308	66	1 990	3.49	51	77	15 741	53	12.00
1967 CENSUS.....	7 903	66	1 999	3.29	51	78	14 773	53	11.19
1966 ASM.....	7 579	66	2 014	3.16	53	79	14 204	53	10.76
1965 ASM.....	7 355	65	2 016	3.04	53	79	13 530	54	10.31
1964 ASM.....	7 158	64	2 012	2.96	52	79	13 021	55	10.18
1963 CENSUS.....	6 878	64	1 996	2.90	(NA)	(NA)	12 296	56	9.59
LOS ANGELES-LONG BEACH-ANAHEIM SCSA									
1977 CENSUS.....	13 659	67	1 949	5.68	53	75	29 923	46	23.05
1972 CENSUS.....	9 854	67	1 941	4.16	50	76	19 626	50	15.09
SAN FRANCISCO-OAKLAND-SAN JOSE SCSA									
1977 CENSUS.....	15 964	56	1 954	6.68	57	77	34 833	46	31.86
1972 CENSUS.....	11 196	58	1 925	4.74	54	79	21 332	52	19.22
ANAHEIM-SANTA ANA-GARDEN GROVE SMSA									
1977 CENSUS.....	13 967	64	1 970	5.65	46	72	29 752	47	23.72
1976 ASM.....	13 094	62	1 969	5.33	45	72	27 497	48	22.41
1975 ASM.....	12 371	62	1 963	5.04	46	73	24 966	50	20.36
1974 ASM.....	11 161	63	1 967	4.63	46	72	24 100	46	19.55
1973 ASM.....	10 651	63	1 963	4.37	43	72	21 384	50	17.20
1972 CENSUS.....	10 450	63	1 968	4.21	42	71	20 873	50	16.94
LOS ANGELES-LONG BEACH SMSA									
1977 CENSUS.....	13 637	67	1 952	5.64	54	75	29 922	46	23.00
1976 ASM.....	12 942	67	1 945	5.32	54	76	27 636	47	21.32
1975 ASM.....	12 283	66	1 936	5.12	55	77	24 575	50	19.24
1974 ASM.....	11 294	67	1 944	4.66	53	76	23 537	48	18.05
1973 ASM.....	10 257	68	1 954	4.28	51	75	22 206	46	16.73
1972 CENSUS.....	9 826	67	1 935	4.15	51	77	19 560	50	15.00
1971 ASM.....	9 427	66	1 961	3.91	50	77	18 477	51	14.36
1970 ASM.....	8 895	66	1 973	3.73	50	78	16 192	55	12.52
1969 ASM.....	8 573	67	1 965	3.58	49	77	15 652	55	11.83
1968 ASM.....	8 192	68	2 005	3.42	50	78	14 918	55	10.97
1967 CENSUS.....	7 824	68	2 008	3.25	50	78	14 132	55	10.39
1966 ASM.....	7 502	66	2 038	3.09	51	79	13 742	55	10.14
1965 ASM.....	7 309	66	2 043	2.95	52	80	12 865	57	9.54
1964 ASM.....	7 158	65	2 014	2.92	51	79	12 311	58	9.40
1963 CENSUS.....	6 870	66	2 010	2.76	(NA)	(NA)	12 055	57	9.04
RIVERSIDE-SAN BERNARDINO-ONTARIO SMSA									
1977 CENSUS.....	13 149	75	1 863	6.21	53	73	30 964	42	22.12
1976 ASM.....	12 112	75	1 835	5.89	53	74	27 926	43	20.34
1975 ASM.....	11 651	74	1 869	5.55	53	75	24 707	47	17.91
1974 ASM.....	10 537	76	1 941	4.91	54	75	24 189	44	16.50
1973 ASM.....	9 370	75	1 942	4.34	52	75	19 164	49	13.24
1972 CENSUS.....	9 115	73	1 956	4.22	53	77	17 703	51	12.40
1971 ASM.....	8 638	74	2 013	3.58	47	73	18 450	47	12.41
1970 ASM.....	8 449	75	1 948	3.87	48	75	15 474	55	10.53
1969 ASM.....	7 914	75	1 943	3.64	49	75	16 859	47	11.56
1968 ASM.....	7 748	75	1 952	3.56	48	74	15 913	49	10.81
1967 CENSUS.....	7 343	75	1 971	3.33	50	74	14 627	50	9.84
1966 ASM.....	6 835	74	1 924	3.18	49	75	14 143	48	9.95
1965 ASM.....	6 641	74	1 949	3.03	47	72	14 756	45	10.18
1964 ASM.....	6 504	74	2 072	2.81	45	69	14 915	44	9.76
1963 CENSUS.....	6 365	74	1 978	2.88	(NA)	(NA)	13 168	48	9.04

See footnotes at end of table.

Table 2b. **Selected Operating Ratios for the State and Selected Standard Metropolitan Statistical Areas: 1977 and Earlier Years—Con.**

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials as percent of value of shipments (percent)	Cost of materials and payroll as percent of value of shipments (percent)	Value added per employee (dollars)	Payroll as percent of value added (percent)	Value added per production worker hour (dollars)
SAN DIEGO SMSA									
1977 CENSUS.....	13 924	65	1 905	5.78	48	75	27 472	51	22.30
1976 ASM.....	12 028	61	1 885	5.82	46	72	24 651	49	21.46
1975 ASM.....	12 562	62	1 993	5.48	46	75	23 814	53	19.23
1974 ASM.....	11 257	65	1 948	5.01	47	77	19 106	59	15.03
1973 ASM.....	10 539	66	1 790	4.73	48	78	19 030	55	16.07
1972 CENSUS.....	10 145	65	1 957	4.45	43	75	18 262	56	14.35
1971 ASM.....	9 606	67	1 847	4.44	41	76	15 297	63	12.37
1970 ASM.....	9 239	66	1 889	4.17	41	77	15 579	59	12.54
1969 ASM.....	9 046	65	1 922	3.99	42	81	14 187	64	11.40
1968 ASM.....	8 713	66	1 922	3.96	45	83	13 320	65	10.55
1967 CENSUS.....	8 206	65	2 000	3.57	43	80	12 658	65	9.78
1966 ASM.....	8 094	63	1 966	3.59	44	84	12 136	67	9.80
1965 ASM.....	8 486	64	2 017	3.42	40	80	13 154	65	10.26
1964 ASM.....	7 610	50	1 948	3.15	37	76	12 202	62	12.50
1963 CENSUS.....	7 514	50	1 950	3.17	(NA)	(NA)	10 968	69	11.23
SAN FRANCISCO-OAKLAND SMSA									
1977 CENSUS.....	15 760	62	1 945	6.95	62	80	35 269	45	29.40
1976 ASM.....	14 442	64	1 917	6.40	64	81	31 346	46	25.67
1975 ASM.....	13 386	62	1 894	6.06	61	79	29 176	46	24.95
1974 ASM.....	12 055	62	1 897	5.48	62	80	26 918	45	22.95
1973 ASM.....	11 166	65	1 920	5.04	59	79	23 449	48	18.71
1972 CENSUS.....	10 604	63	1 895	4.87	57	79	20 606	51	17.23
1971 ASM.....	9 767	64	1 895	4.44	56	77	20 313	48	16.79
1970 ASM.....	9 336	64	1 907	4.20	56	79	18 249	51	14.87
1969 ASM.....	8 961	66	1 936	3.98	58	79	18 116	49	14.16
1968 ASM.....	8 504	66	1 951	3.79	57	78	17 733	48	13.80
1967 CENSUS.....	7 974	65	1 945	3.58	58	79	15 968	50	12.61
1966 ASM.....	7 678	65	1 956	3.47	59	80	15 338	50	12.14
1965 ASM.....	7 426	64	1 944	3.38	60	81	14 301	52	11.54
1964 ASM.....	7 252	64	1 985	3.22	59	61	13 862	52	10.92
1963 CENSUS.....	6 914	64	1 935	3.15	(NA)	(NA)	13 087	53	10.54
SAN JOSE SMSA									
1977 CENSUS.....	16 291	49	1 967	6.34	46	72	34 218	48	35.44
1976 ASM.....	14 824	45	2 057	5.70	46	73	29 806	50	32.54
1975 ASM.....	14 833	47	1 964	5.76	46	75	27 602	54	29.95
1974 ASM.....	13 779	50	2 011	4.99	48	76	26 240	53	26.06
1973 ASM.....	12 409	50	2 015	4.64	48	77	22 815	54	22.52
1972 CENSUS.....	11 865	48	1 980	4.53	46	77	21 377	56	22.39
1971 ASM.....	11 091	48	2 022	4.20	45	76	19 467	57	19.96
1970 ASM.....	10 377	47	1 998	4.10	45	77	18 251	57	19.28
1969 ASM.....	9 890	50	2 034	3.87	43	73	19 031	52	18.76
1969 ASM.....	9 890	50	2 034	3.87	43	73	19 031	52	18.76
1969 ASM.....	9 890	50	2 034	3.87	43	73	19 031	52	18.76
1968 ASM.....	9 547	49	2 006	3.81	45	75	17 491	55	17.69
1967 CENSUS.....	8 988	49	2 043	3.47	49	79	15 856	57	15.91
1966 ASM.....	8 748	51	2 055	3.27	51	79	16 272	54	15.56
1965 ASM.....	8 459	49	2 046	3.22	51	80	15 409	55	15.23
1964 ASM.....	7 803	49	2 015	3.11	54	81	13 275	59	13.35
1963 CENSUS.....	7 813	50	2 006	3.02	(NA)	(NA)	12 780	61	12.75

Note: For qualifications to data, see footnotes on table 2a.
(NA) Not available.

Table 3a. Summary Statistics for the State: 1977 and 1972

[For explanation of terms, see appendix B]

Item	Unit of measure	1977	1972
All establishments ¹ -----	number -----	45 289	35 099
With 1 to 19 employees -----	do -----	32 406	24 550
With 20 to 99 employees -----	do -----	9 605	8 291
With 100 employees or more -----	do -----	3 278	2 858
All employees, average for year ¹ -----	1,000 -----	1 751.5	1 545.1
Payroll for year, all employees ¹ -----	mil. dollars --	24 671.5	15 477.8
Production workers:			
Average for year -----	1,000 -----	1 142.6	1 019.4
March -----	do -----	1 100.9	979.4
May -----	do -----	1 126.1	1 001.1
August -----	do -----	1 185.6	1 064.7
November -----	do -----	1 152.3	1 034.0
Hours -----	millions -----	2 224.2	1 964.1
January to March -----	do -----	531.1	465.2
April to June -----	do -----	554.0	491.1
July to September -----	do -----	574.5	506.6
October to December -----	do -----	564.7	501.2
Wages -----	mil. dollars --	13 150.5	8 426.5
Cost of materials, etc. ² -----	do -----	66 881.2	32 597.6
Materials, parts, containers, etc., consumed -----	do -----	58 076.6	28 529.8
Resales -----	do -----	4 537.9	2 205.5
Fuels consumed -----	do -----	1 009.1	318.1
Purchased electric energy -----	do -----	1 138.3	404.3
Contract work -----	do -----	2 119.3	1 140.0
Value of shipments, including resales ² -----	do -----	120 895.8	62 886.7
Value of resales -----	do -----	5 673.6	2 693.5
Value added by manufacture -----	do -----	54 862.4	31 175.2
Manufacturers' inventories:			
Beginning of year -----	do -----	17 829.2	11 363.8
Finished products -----	do -----	5 494.9	3 120.0
Work in process -----	do -----	7 142.0	5 367.0
Materials, supplies, fuel, etc. -----	do -----	5 192.3	2 606.8
End of year -----	do -----	19 210.1	12 296.8
Finished products -----	do -----	5 972.1	3 280.8
Work in process -----	do -----	7 669.9	6 253.7
Materials, supplies, fuel, etc. -----	do -----	5 568.1	2 762.5
Capital expenditures for plant and equipment -----	do -----	3 700.0	1 779.7
New capital expenditures -----	do -----	3 385.4	1 645.9
New buildings and other structures -----	do -----	672.3	423.1
New machinery and equipment -----	do -----	2 713.1	1 222.8
Used capital expenditures -----	do -----	314.6	133.8

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies.

¹Including central administrative offices and auxiliaries (for definition, see appendix B).

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 3b. Supplemental State Statistics Based on Sample Estimates: 1977

(For explanation of terms, see appendix B. For description of annual survey of manufactures (ASM), see appendix F)

Item	Amount (million dollars)	Standard error of estimate (percent)	Item	Amount (million dollars)	Standard error of estimate (percent)
Gross value of depreciable assets:			Rental payments:		
Total:			Total.....	886.4	2
Beginning of year.....	27,275.5	1	Buildings and other structures.....	511.4	2
New capital expenditures.....	3,550.4	1	Machinery and equipment.....	374.6	2
Used capital expenditures.....	363.4	2			
Retirements.....	1,139.2	2	Depreciation charges during 1977:		
End of year.....	30,050.1	1	Total.....	2,044.8	1
Buildings and other structures:			Buildings and other structures.....	394.0	2
Beginning of year.....	8,159.7	1	Machinery and equipment.....	1,650.8	1
New capital expenditures.....	697.8	3			
Used capital expenditures.....	129.1	6	Supplemental labor costs:		
Retirements.....	199.0	4	Total.....	4,811.4	1
End of year.....	8,787.7	1	Legal costs.....	2,074.0	1
Machinery and equipment:			Voluntary costs.....	2,737.4	1
Beginning of year.....	19,115.0	1			
New capital expenditures.....	2,852.5	1	Purchased services:		
Automobiles, trucks, etc., for highway use...	125.7	(NA)	Cost of purchased services for the repair of--		
Computers and peripheral data processing equip.	120.7	(NA)	Buildings and other structures.....	(357.8)	(A)
All other.....	2,117.2	(NA)	Response coverage ratio (percent).....	63	(X)
New machinery and equipment, n.s.k.....	488.9	(NA)	Machinery.....	(1,183.8)	25
Used capital expenditures.....	234.2	9	Response coverage ratio (percent).....	63	(X)
Retirements.....	941.3	2	Cost of purchased communication services.....	(370.9)	49
End of year.....	21,260.5	1	Response coverage ratio (percent).....	62	(X)

Note: Expenditures data, shown in tables 2a, 3a, and 4-8, are census universe figures and may differ from ASM sample estimates shown in this table. Table 3b figures represent best estimate of year-to-year change as measured by continuing ASM sample, but are subject to sampling errors. Hence, as estimates of level, they are not as reliable as universe figures.

(A) Indicates standard errors of 100 percent or more. Figures in parentheses have standard errors of 15 percent or more.

(NA) Not available. n.s.k. Not specified by kind. (X) Not applicable.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area		1977											1972	
		All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)						
California -----	-	45 289	12 883	1 751.5	24 671.5	1 142.6	2 224.2	13 150.5	54 862.4	66 881.2	120 895.8	3 385.4	1 545.9	31 194.6
STANDARD CONSOLIDATED STATISTICAL AREAS														
Los Angeles-Long Beach-Anaheim -----	-	28 032	8 368	1 081.6	14 773.3	720.4	1 404.2	7 969.1	32 364.2	35 976.1	67 927.6	1 774.7	982.1	19 274.9
San Francisco-Oakland-San Jose -----	-	8 726	2 379	383.6	6 123.9	214.6	419.3	2 800.7	13 362.3	17 301.3	30 395.0	915.0	322.5	6 879.7
STANDARD METROPOLITAN STATISTICAL AREAS														
Anaheim-Santa Ana-Garden Grove -----	-	4 703	1 225	177.5	2 479.2	113.0	222.6	1 258.6	5 280.9	4 342.8	9 537.3	312.9	131.0	2 734.4
Bakersfield -----	-	334	78	9.1	132.2	5.4	10.8	78.4	352.3	1 359.1	1 734.6	36.3	6.6	146.3
Fresno -----	-	669	198	21.8	265.1	16.3	31.3	174.3	681.8	1 191.6	1 866.6	92.3	18.6	408.7
Los Angeles-Long Beach -----	-	21 119	6 543	825.5	11 257.9	550.3	1 074.0	6 058.2	24 701.8	29 053.8	53 467.8	1 162.4	778.9	15 234.9
Modesto -----	-	303	105	18.8	242.1	14.6	27.4	167.6	626.4	1 257.7	1 865.9	55.3	15.6	318.8
Oxnard-Simi Valley-Ventura -----	-	529	139	18.9	251.9	12.2	24.1	134.0	534.7	488.0	1 003.7	41.7	14.8	288.5
Riverside-San Bernardino-Ontario -----	-	1 681	461	59.6	784.3	44.8	83.5	518.3	1 846.8	2 091.5	3 918.7	257.8	56.3	996.7
Sacramento -----	-	876	210	25.6	352.6	18.2	35.7	216.9	978.3	1 376.7	2 331.1	54.5	21.9	546.2
Salinas-Seaside-Monterey -----	E1	234	57	8.9	108.1	6.9	13.2	76.3	315.2	360.2	671.9	26.7	7.5	217.8
San Diego -----	-	2 013	464	79.1	1 101.8	51.2	97.5	563.3	2 173.9	1 986.1	4 122.6	119.4	64.9	1 185.2
San Francisco-Oakland -----	-	5 780	1 538	193.3	3 046.2	119.2	231.9	1 611.3	6 817.2	11 077.2	17 761.3	377.2	184.8	3 807.9
San Jose -----	-	2 671	762	181.4	2 954.5	89.0	175.1	1 110.0	6 205.7	5 261.6	11 339.0	509.4	134.4	2 873.1
Santa Barbara-Santa Maria-Lompoc -----	-	444	99	15.5	206.0	8.6	16.3	82.9	355.1	306.2	640.1	23.5	10.1	169.7
Santa Cruz -----	-	291	60	8.0	87.4	6.7	11.9	63.9	275.2	266.6	539.4	12.0	6.9	122.9
Santa Rosa -----	E1	458	104	11.0	137.9	7.5	14.1	78.0	338.6	349.0	670.9	21.9	7.9	136.7
Stockton -----	-	414	139	20.9	279.9	16.6	31.8	208.5	747.2	1 249.7	1 982.3	61.0	18.2	498.6
Vallejo-Fairfield-Napa -----	E1	275	79	9.0	123.2	6.4	12.4	79.4	339.4	962.5	1 294.7	28.4	6.2	165.7
COUNTIES														
Alameda -----	-	2 057	673	87.0	1 347.8	58.5	114.6	826.6	3 098.9	4 503.7	7 557.1	168.4	80.5	1 778.1
Amador -----	-	42	8	1.1	16.1	0.9	2.0	13.4	36.8	43.3	76.7	2.2	0.7	15.9
Butte -----	E1	174	40	4.4	51.8	3.6	7.0	40.4	113.9	196.2	309.5	5.8	3.7	67.3
Calaveras -----	E1	33	4	0.5	7.1	0.4	0.7	5.7	19.5	19.0	39.0	(D)	0.5	9.5
Colusa -----	-	20	2	0.2	2.8	0.2	0.3	1.9	5.2	26.5	34.4	0.2	0.2	2.1
Contra Costa -----	-	625	161	27.3	460.8	16.9	32.4	257.5	1 635.4	4 113.9	5 695.7	108.2	27.3	637.7
Del Norte -----	-	39	13	2.1	30.4	1.9	3.9	26.0	65.5	108.2	174.1	5.7	1.6	31.8
El Dorado -----	E1	97	14	1.2	14.8	0.9	2.0	10.2	36.4	47.8	83.8	2.6	1.1	16.0
Fresno -----	-	669	198	21.8	265.1	16.3	31.3	174.3	681.8	1 191.6	1 866.6	92.3	18.6	408.7
Glenn -----	E1	36	10	1.0	11.5	0.8	1.5	9.0	29.0	67.0	99.2	2.4	0.6	11.7
Humboldt -----	-	301	67	8.8	125.2	7.4	15.0	101.0	341.0	453.6	786.8	19.3	9.6	220.6
Imperial -----	E1	63	19	1.6	18.7	1.2	2.6	13.1	46.0	83.7	134.9	7.1	1.4	38.9
Inyo -----	-	19	3	0.3	3.1	0.2	0.3	1.7	5.8	3.8	9.6	0.8	0.1	1.4
Kern -----	-	334	78	9.1	132.2	5.4	10.8	78.4	352.3	1 359.1	1 734.6	36.3	6.6	146.3
Kings -----	-	59	25	3.1	41.2	2.3	4.6	27.7	114.0	395.4	507.8	5.0	2.3	52.2
Lake -----	-	31	1	0.2	2.7	0.2	0.3	2.1	6.3	3.6	9.9	0.4	0.2	1.5
Lassen -----	-	27	10	0.6	10.4	0.6	1.2	9.0	30.1	38.2	67.8	1.9	0.7	14.7
Los Angeles -----	-	21 119	6 543	825.5	11 257.9	550.3	1 074.0	6 058.2	24 701.8	29 053.8	53 467.8	1 162.4	778.9	15 234.9
Madera -----	-	76	20	2.7	35.4	2.1	4.2	27.0	105.6	200.3	301.8	10.6	2.1	47.2
Marin -----	E2	320	31	3.6	46.8	2.1	4.0	21.8	95.3	77.2	170.9	5.4	3.2	63.3
Mariposa -----	E1	8	-	0.1	0.7	(Z)	0.1	0.4	1.5	0.5	1.9	0.1	(Z)	(NA)
Mendocino -----	-	179	47	4.2	56.1	3.6	6.8	44.8	119.1	218.4	333.5	19.5	4.4	95.6
Merced -----	-	105	43	4.5	49.2	3.9	7.1	38.7	214.5	434.9	642.3	27.3	4.5	149.4
Modoc -----	E4	21	2	0.3	2.2	0.2	0.4	1.9	6.4	7.3	13.5	0.3	0.2	3.7
Mono -----	E2	7	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(Z)	(NA)
Monterey -----	E1	234	57	8.9	108.1	6.9	13.2	76.3	315.2	360.2	671.9	26.7	7.5	217.8
Napa -----	E7	121	35	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.6
Nevada -----	-	86	14	1.4	18.1	1.2	2.1	14.6	51.5	38.6	87.3	6.0	0.8	20.4
Orange -----	-	4 703	1 225	177.5	2 479.2	113.0	222.6	1 258.6	5 280.9	4 342.8	9 537.3	312.9	131.0	2 734.4
Placer -----	-	112	22	2.4	32.2	2.0	3.8	23.7	98.9	135.9	236.4	6.7	1.8	46.8
Plumas -----	-	37	9	1.0	15.1	0.9	1.8	13.1	32.3	52.1	84.1	2.6	1.1	23.4
Riverside -----	-	704	191	23.4	282.2	16.9	32.3	172.5	652.1	723.6	1 372.1	71.0	20.7	328.8
Sacramento -----	-	614	136	17.7	253.7	11.8	23.3	145.7	665.4	875.0	1 530.6	35.9	15.7	400.2
San Benito -----	-	37	13	1.9	22.1	1.5	3.0	15.6	62.0	64.0	124.2	4.0	1.6	34.2
San Bernardino -----	-	977	270	36.2	502.1	27.9	51.2	345.9	1 194.8	1 367.9	2 546.7	186.9	35.6	667.9
San Diego -----	-	2 013	464	79.1	1 101.8	51.2	97.5	563.3	2 173.9	1 986.1	4 122.6	119.4	64.9	1 185.2
San Francisco -----	E1	1 707	405	42.9	699.3	23.3	45.4	271.3	1 065.5	1 359.9	2 418.1	35.3	44.3	727.5
San Joaquin -----	-	414	139	20.9	279.9	16.6	31.8	208.5	747.2	1 249.7	1 982.3	61.0	18.2	498.6
San Luis Obispo -----	-	160	27	2.4	24.5	1.9	3.8	16.4	88.1	149.7	236.2	5.7	1.2	26.5
San Mateo -----	-	1 071	268	32.4	491.5	18.3	35.5	234.2	922.0	1 022.6	1 919.5	59.8	29.5	601.3
Santa Barbara -----	-	444	99	15.5	206.0	8.6	16.3	82.9	355.1	306.2	640.1	23.5	10.1	169.7
Santa Clara -----	-	2 671	762	181.4	2 954.5	89.0	175.1	1 110.0	6 205.7	5 261.6	11 339.0	509.4	134.4	2 873.1
Santa Cruz -----	-	291	60	8.0	87.4	6.7	11.9	63.9	275.2	266.6	539.4	12.0	6.9	122.9
Shasta -----	-	212	39	4.3	66.4	3.7	7.6	53.4	140.1	256.8	396.1	12.5	4.7	87.2
Sierra -----	-	12	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.3	6.7
Siskiyou -----	-	97	28	2.4	35.1	2.1	4.2	30.3	91.2	131.1	219.8	7.5	2.6	59.1
Solano -----	-	154	44	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.5	94.3
Sonoma -----	-	458	104	11.0	137.9	7.5	14.1	78.0	338.6	349.0	670.9	(D)	7.9	136.7
Stanislaus -----	-	303	105	18.8	242.1	14.6	27.4	167.6	626.4	1 257.7	1 865.9	55.3	15.6	318.8
Sutter -----	-	68	17	2.2	21.7	2.0	3.6	18.4	86.0	93.9	176.1	7.7	2.0	36.4
Tehama -----	E1													

See footnotes at end of table.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area		1977										1972			
		All establishments ²		All employees ²		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)	
		Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)							
E ¹															
CITIES															
Alameda	-	45	9	1.9	32.0	1.4	2.5	22.5	55.9	41.8	98.1	2.0	2.1	30.0	
Albany	E4	16	6	0.6	8.0	0.3	0.5	2.7	26.5	23.0	49.3	0.7	(NA)	(NA)	
Alhambra	E1	140	42	3.0	34.8	2.3	4.6	22.1	80.9	70.7	150.8	3.5	2.5	39.7	
Altadena (U)	-	16	4	0.6	7.2	0.3	0.7	2.0	17.7	7.6	25.0	0.5	(NA)	(NA)	
Anaheim	-	762	241	39.5	579.3	22.1	42.8	237.0	1 179.9	894.9	2 070.7	67.6	30.4	672.7	
Anderson	-	25	6	1.0	14.4	0.8	1.8	11.6	24.2	59.1	83.0	2.1	1.3	19.2	
Antioch	-	14	4	0.5	4.8	0.4	0.6	3.6	13.8	12.4	25.1	(D)	1.9	49.2	
Arcadia	E4	75	15	1.3	16.4	0.9	1.8	11.0	36.8	24.0	59.2	2.8	2.3	41.1	
Arcata	-	62	16	1.8	24.7	1.6	3.4	20.3	66.7	76.6	142.6	2.8	1.8	33.0	
Azusa	-	130	43	5.4	76.7	3.8	7.4	42.2	187.3	187.9	372.6	10.4	5.4	96.7	
Bakersfield	-	136	30	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.1	45.7	
Baldwin Park	E3	99	20	1.4	14.4	1.0	2.0	9.9	29.1	20.2	48.6	1.4	2.0	34.8	
Banning	-	17	5	1.5	14.1	1.0	2.0	7.5	30.2	9.7	39.4	(D)	(D)	(D)	
Beaumont	-	21	6	0.7	8.5	0.5	1.1	6.0	31.8	21.1	52.3	3.5	(NA)	(NA)	
Bell	-	33	11	0.6	7.8	0.5	0.9	5.0	25.2	21.5	46.5	0.5	1.3	22.6	
Bellflower	E1	56	10	0.7	7.3	0.5	1.0	4.7	15.7	21.1	36.4	1.2	0.8	11.0	
Bell Gardens	E1	83	23	1.8	21.1	1.5	3.0	14.4	42.4	33.1	75.4	2.3	2.1	31.9	
Belmont	E1	47	14	1.2	18.5	0.4	0.8	4.7	26.6	22.6	48.1	1.1	1.5	24.0	
Benicia	-	52	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Berkeley	-	250	69	8.3	118.0	5.1	9.8	61.0	231.0	254.0	482.4	8.1	8.4	183.7	
Beverly Hills	E2	195	22	2.2	35.0	0.9	1.8	8.9	56.6	41.7	97.8	1.8	2.3	30.7	
Brea	-	47	24	4.0	59.1	2.3	4.6	26.3	117.4	97.8	212.0	8.4	3.2	70.3	
Buena Park	-	156	45	5.0	67.4	3.7	7.3	45.2	201.8	400.3	602.5	8.2	3.9	99.1	
Burbank	-	529	145	27.2	451.3	19.1	35.0	253.1	836.5	634.4	1 600.2	26.2	41.5	913.5	
Burlingame	-	79	15	1.8	24.9	1.0	2.0	12.4	46.1	67.7	114.2	1.4	1.9	38.5	
Camarillo	-	42	9	1.8	21.8	1.2	2.4	13.5	47.1	44.3	90.0	0.7	(D)	(D)	
Campbell	E3	173	29	2.5	30.4	1.8	3.6	19.9	67.8	38.2	103.7	3.8	1.8	30.3	
Carlsbad	-	34	11	1.8	23.1	1.4	3.0	15.7	49.8	28.5	77.1	3.3	0.5	9.0	
Carpinteria	E1	17	6	0.6	6.3	0.4	0.8	3.7	13.0	6.0	18.8	0.6	(NA)	(NA)	
Carson	-	323	132	14.6	194.3	10.2	20.3	116.8	527.1	2 037.8	2 530.8	37.1	11.8	312.7	
Cerritos	-	125	56	3.8	48.1	2.7	5.5	28.6	121.0	144.0	261.4	7.1	2.1	37.7	
Chico	E1	77	17	2.0	22.5	1.5	3.0	16.1	41.8	61.6	105.5	1.7	1.1	17.4	
Chino	-	47	25	2.6	29.5	2.1	3.8	20.8	73.8	198.8	264.2	3.9	1.2	18.1	
Chula Vista	-	42	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.7	18.1	
Cloverdale	-	18	9	0.6	7.0	0.5	1.0	5.9	24.6	27.6	50.7	0.5	0.7	15.8	
Colton	-	36	16	1.8	23.8	1.3	2.6	17.3	60.0	68.9	133.3	3.4	1.8	39.6	
Commerce	-	319	183	23.0	328.7	16.4	33.2	211.7	765.0	1 179.8	1 945.6	45.2	21.4	475.0	
Compton	-	190	80	6.6	76.3	5.0	10.1	48.8	182.4	210.6	395.9	11.5	5.4	82.6	
Concord	E1	120	19	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.5	20.7	
Corona	-	69	26	3.0	34.2	2.3	4.4	23.4	91.6	89.4	181.0	(D)	3.0	44.8	
Costa Mesa	E1	429	110	12.0	148.9	7.8	14.7	76.8	258.0	220.9	493.9	16.2	9.8	156.9	
Covina	E1	163	37	3.4	38.7	2.6	5.0	23.5	75.0	58.8	133.1	4.9	2.5	45.0	
Crescent City	-	28	6	0.5	6.0	0.4	0.8	5.0	14.4	17.3	31.9	0.6	0.8	11.2	
Cudahy	E3	37	15	0.9	11.7	0.7	1.4	7.9	25.7	18.8	44.4	0.8	0.6	7.3	
Culver City	E2	210	53	6.0	65.6	4.6	8.4	40.7	109.2	92.2	200.5	6.4	14.0	232.3	
Cupertino	-	66	18	5.1	85.6	2.4	4.6	27.5	251.2	121.5	373.7	20.5	2.9	87.1	
Davis	-	19	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Delano	-	17	8	0.5	6.3	0.3	0.5	3.0	20.3	17.7	35.9	0.9	(NA)	(NA)	
Dinuba	-	18	7	0.8	9.5	0.7	1.3	7.2	17.4	36.2	53.2	1.0	0.7	18.6	
Downey	-	158	47	14.6	269.4	5.3	11.2	68.6	514.6	493.3	1 003.2	9.9	8.3	176.2	
Duarte	-	17	8	1.6	17.6	1.1	2.7	11.2	52.9	34.9	84.7	0.9	0.8	14.1	
East Los Angeles (U)	E2	204	65	4.3	44.8	3.5	6.8	31.4	104.3	125.7	230.2	6.3	4.6	82.9	
El Cajon	E1	148	31	3.1	41.0	2.3	4.3	26.8	78.5	70.2	147.5	4.3	2.1	33.0	
El Centro	E3	22	8	0.6	7.1	0.4	0.8	4.0	14.6	30.2	45.6	0.9	(NA)	(NA)	
El Monte	E1	264	104	11.0	131.9	8.0	15.2	78.8	255.3	189.1	450.5	11.5	9.9	155.8	
El Paso de Robles	E1	26	7	0.8	7.1	0.6	1.3	5.1	19.8	12.6	31.4	2.4	0.5	7.1	
El Segundo	-	191	75	15.9	266.0	9.7	18.8	141.8	924.8	1 363.8	2 310.9	31.0	15.1	386.6	
Emeryville	-	113	51	5.4	79.8	3.3	6.4	45.6	184.9	217.4	398.5	7.0	6.0	115.7	
Escondido	E1	114	32	2.0	24.1	1.3	2.6	14.7	59.7	62.2	121.8	2.8	1.5	20.9	
Eureka	-	66	11	1.6	20.6	1.3	2.3	15.3	65.6	76.7	142.9	3.7	1.1	18.3	
Fairfield	-	22	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)	
Florence-Graham	E1	121	34	3.0	36.8	2.4	4.7	26.4	74.6	60.8	134.5	4.0	4.3	95.9	
Fontana	E1	34	8	0.5	7.0	0.4	0.8	4.6	25.2	46.2	71.5	1.0	0.7	15.2	
Fort Bragg	E1	29	8	0.5	5.8	0.4	0.7	4.9	12.9	16.9	30.5	(D)	(D)	(D)	
Fountain Valley	E2	80	20	1.5	17.9	1.1	2.2	10.7	37.1	38.6	76.7	2.5	1.6	24.7	
Fremont	-	95	41	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	7.2	254.2	
Fresno	-	309	84	8.4	102.8	5.9	10.9	61.1	222.4	408.4	633.6	34.9	6.8	152.9	
Fullerton	-	283	83	19.0	294.3	12.8	27.0	178.2	604.0	498.2	1 096.8	26.8	17.8	363.8	
Gardena	E1	384	109	9.4	102.7	7.2	13.6	64.1	210.8	181.3	390.3	13.4	10.3	150.7	
Garden Grove	-	191	50	5.3	58.4	4.1	7.9	36.1	119.4	114.5	230.3	8.2	2.7	48.0	
Gilroy	-	27	3	1.3	15.1	1.1	2.0	11.4	38.3	39.0	76.9	2.4	1.5	28.5	
Glendale	E1	386	104	12.6	167.3	8.3	15.9	89.4	295.9	176.0	460.8	11.6	11.1	173.1	
Glendora	-	48	13	1.7	21.7	1.1	2.5	11.4	35.1	50.9	83.1	4.9	1.0	19.0	
Grass Valley	-	48	5	0.6	7.2	0.4	0.9	5.2	21.0	8.8	28.6	1.4	(NA)	(NA)	
Gridley	-	14	4	0.5	5.2	0.4	0.7	4.5	11.1	18.8	29.9	0.9	(NA)	(NA)	
Hacienda Heights	E4	23	8	0.7	8.3	0.5	1.0	4.4	19.3	16.9	34.5	(D)	1.2	14.8	
Hanford	-	26	12	1.2	16.0	0.7	1.3	8.2</							

See footnotes at end of table.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area		1977										1972		
		All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)						
E ¹														
CITIES—Con.														
Huntington Park	-	199	58	5.5	69.7	4.0	8.0	44.3	174.7	111.5	272.8	9.7	5.0	82.1
Industry	-	324	187	24.8	310.4	18.1	37.5	198.9	721.7	874.6	1 589.0	89.5	(NA)	(NA)
Inglewood	E1	169	35	3.1	35.8	2.4	4.4	21.7	69.1	53.0	121.7	2.8	3.5	61.3
Irvine	-	278	140	26.0	374.4	15.0	29.7	170.8	883.6	472.4	1 315.6	57.4	6.6	140.7
Kingsburg	-	7	2	0.5	5.1	0.4	0.8	4.6	12.5	39.5	51.5	0.4	(NA)	(NA)
La Habra	E1	89	13	1.7	20.4	1.4	2.7	14.9	52.7	79.4	130.9	1.3	0.9	14.1
La Mirada	-	52	29	2.9	38.4	2.1	4.2	24.4	107.7	139.6	244.2	6.7	2.5	62.0
La Palma	-	10	6	0.7	8.3	0.5	1.1	6.2	26.3	42.5	68.0	1.0	(NA)	(NA)
La Verne	-	25	13	1.0	11.2	0.7	1.6	7.1	27.1	30.7	56.8	2.3	0.6	8.5
Lemoore	-	8	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Lindsay	-	22	10	1.2	13.0	1.0	2.1	9.9	30.7	52.4	82.5	2.9	0.9	27.4
Livermore	E1	38	10	1.1	12.8	0.9	1.8	9.5	28.5	26.4	54.0	2.1	(NA)	(NA)
Livingston	-	8	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Lodi	-	72	24	3.5	45.3	2.7	5.2	33.2	157.6	187.6	341.7	5.0	2.8	106.1
Long Beach	-	447	122	23.8	400.9	13.5	26.5	178.9	580.6	1 073.3	1 755.2	29.8	38.7	1 250.2
Los Alamitos	E1	67	11	1.7	22.2	0.9	1.7	10.1	33.9	20.8	54.4	1.1	1.0	15.8
Los Angeles	-	9 086	2 631	315.6	4 063.1	209.8	403.6	2 131.9	8 640.3	9 479.8	17 846.4	392.5	280.1	4 673.0
Los Banos	-	17	7	0.5	5.9	0.5	0.9	4.7	23.5	109.9	133.4	1.5	(NA)	(NA)
Los Gatos	-	31	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.9	18.4
Lynwood	E1	127	40	3.2	44.6	2.2	4.5	25.9	82.2	84.3	166.9	7.4	3.7	65.8
Madera	-	38	13	1.9	25.8	1.4	2.8	19.0	80.0	148.6	225.2	9.3	1.3	33.0
Manhattan Beach	E1	16	4	0.8	10.1	0.5	0.9	4.8	15.1	17.1	34.9	0.5	(D)	(D)
Manteca	E1	18	8	0.8	8.8	0.6	1.3	6.1	22.7	46.8	70.1	1.4	0.7	16.2
Martinez	-	27	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Marysville	E1	27	10	0.8	9.5	0.7	1.4	7.2	20.5	30.4	50.0	2.2	0.7	9.7
Maywood	E3	59	10	0.7	5.9	0.6	1.0	4.4	10.6	4.8	15.5	0.5	0.7	10.4
Menlo Park	-	75	35	5.9	102.8	2.7	5.3	39.1	203.5	159.3	347.0	14.5	4.4	114.1
Merced	-	40	21	2.3	23.1	1.9	3.5	17.7	78.5	130.8	208.9	8.1	2.8	94.4
Milpitas	-	24	13	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Modesto	-	128	41	6.5	96.3	4.0	8.2	52.8	239.7	493.3	727.4	32.8	5.2	111.3
Monrovia	E1	151	44	5.3	65.4	3.6	7.0	34.2	123.8	93.4	214.1	8.4	6.0	101.7
Montclair	E2	53	10	0.6	6.7	0.5	0.9	4.3	16.4	21.5	37.2	0.8	(NA)	(NA)
Montebello	E1	118	55	6.0	73.4	4.4	8.9	44.7	165.8	203.1	364.5	6.2	4.1	72.6
Monterey	E2	45	8	0.8	8.6	0.5	0.9	4.4	19.6	11.2	30.9	0.8	0.7	11.7
Monterey Park	E1	86	42	3.1	37.9	2.1	4.1	20.1	61.4	44.4	105.3	2.5	3.3	54.5
Morgan Hill	E1	19	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Mountain View	-	302	95	16.8	229.4	8.8	17.6	89.2	524.5	340.7	859.4	36.0	13.8	203.9
Napa	-	56	21	1.7	20.1	1.4	2.6	13.7	44.0	42.0	84.9	2.9	1.8	40.1
National City	-	87	21	1.7	22.2	1.2	2.5	14.3	39.8	98.0	138.1	1.4	6.9	169.1
Newark	-	57	19	3.5	52.1	2.2	4.7	32.3	142.9	276.9	416.7	6.0	3.1	69.5
Newport Beach	-	167	23	6.9	125.3	3.4	6.7	37.2	219.5	123.3	339.1	6.8	6.5	106.6
North Highlands	E4	23	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Norwalk	E3	71	18	2.1	23.7	1.8	3.5	16.4	49.9	61.6	110.1	7.1	1.2	20.7
Novato	E8	50	1	0.5	6.3	0.3	0.6	4.0	13.7	11.8	25.5	0.9	(NA)	(NA)
Oakdale	-	18	7	1.6	18.9	1.3	2.3	14.1	59.1	120.9	171.6	2.4	1.2	31.8
Oakland	-	692	206	25.7	396.8	16.3	31.1	218.6	739.1	803.6	1 531.2	46.0	25.9	474.3
Oceanside	E1	56	17	1.5	15.0	1.1	1.9	7.9	30.3	24.1	53.1	1.5	0.9	16.2
Ontario	-	136	51	7.7	89.4	6.1	10.5	61.8	257.9	170.1	433.4	16.8	7.6	141.1
Orange	-	379	98	8.2	94.7	6.4	12.4	60.8	213.2	263.3	471.1	13.0	4.3	70.6
Oroville	-	37	11	1.4	18.1	1.2	2.4	15.2	43.5	79.1	120.0	2.4	0.8	16.5
Oxnard	-	92	34	5.8	71.3	3.8	8.0	41.2	162.9	200.5	362.7	14.7	4.6	78.2
Palm Springs	E2	42	6	0.5	5.2	0.3	0.5	2.1	13.8	8.2	21.2	0.8	(NA)	(NA)
Palo Alto	-	212	74	22.7	369.6	11.7	23.5	153.8	634.4	344.5	956.4	46.2	17.9	386.7
Paramount	-	307	71	5.9	75.6	4.5	8.9	50.4	167.7	361.1	515.3	14.2	5.4	92.5
Parkway-Sacramento South	-	25	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Pasadena	E1	297	70	9.8	138.2	5.5	10.7	56.5	180.9	126.0	299.4	9.4	9.0	205.1
Patterson	-	8	3	0.7	7.2	0.7	1.3	6.0	7.3	15.7	23.0	1.3	(D)	(D)
Perris	E1	19	7	0.5	5.6	0.4	0.8	3.7	10.3	26.6	36.8	0.4	0.5	6.2
Petaluma	-	46	13	1.0	12.7	0.8	1.5	9.1	25.9	43.4	68.9	1.2	0.7	14.0
Pico Rivera	-	84	46	5.6	87.7	4.4	9.0	64.7	251.1	720.8	966.7	3.8	7.3	190.2
Pittsburg	-	31	10	3.1	61.4	2.4	4.8	46.4	(S)	543.8	505.4	2.9	3.6	53.7
Placentia	E2	78	10	0.7	8.4	0.5	1.0	5.3	16.5	24.1	40.0	5.9	1.3	25.5
Pleasanton	-	45	15	1.2	18.6	0.4	0.9	5.8	20.2	28.4	47.6	1.7	0.6	4.4
Pomona	-	165	56	11.6	173.2	7.3	14.6	93.5	375.7	234.8	638.6	12.2	10.8	210.1
Porterville	-	32	12	1.3	12.4	1.0	1.8	8.3	35.4	28.4	62.9	1.2	0.8	9.0
Rancho Palos Verdes	-	10	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Red Bluff	E1	35	10	1.6	24.6	1.4	3.3	21.2	59.1	94.1	149.6	2.2	(NA)	(NA)
Redding	E1	80	15	0.9	11.6	0.7	1.2	7.6	30.8	33.8	65.0	2.2	1.0	22.8
Redlands	-	35	9	0.9	9.0	0.7	1.1	5.9	20.5	21.5	41.5	1.1	2.3	49.6
Redondo Beach	-	57	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Redwood City	-	138	27	3.6	53.7	2.0	3.9	26.1	84.2	66.8	150.1	8.6	3.3	44.6
Rialto	E1	33	8	0.6	7.9	0.5	1.1	5.3	15.7	19.0	35.3	2.8	0.6	8.9
Richmond	-	133	51	8.1	145.5	4.9	9.0	76.2	1 014.4	1 560.3	2 558.0	29.0	8.2	204.1
Ripon	-	16	8	0.7	11.3	0.5	1.0	7.1	46.7	123.0	163.9	(D)	0.7	49.2
Riverbank	-	8	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Riverside	-	190	54	8.3	109.6	5.5	10.6	58.9	210.3	222.6	433.9	20.3	8.1	126.5
Rohnert Park	E4	19	6	0.6	5.7	0.5	0.8	4.2	10.4	14.5	24.8	(D)	(NA)	(NA)
Rosemead	E2	64	17	1.1	11.0	1.0	1.9	7.7	20.7	16.2	36.5	(D)	1.0	14.8
Sacramento	-	356	89	11.3	164.2	7.1	13.9	90.5	379.5	551.7	921.1	23.8	11.7	311.6
St. Helena	E1	34	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Salinas	E3	76	26	3.4	39.4	2.6	5.0	27.7	130.6	130.8	257.9	4.1	2.9	62.6
San Bernardino	E2	120	30											

See footnotes at end of table.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B.]														
Geographic area	1977											1972		
	E ¹	All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)						
CITIES—Con.														
San Carlos	-	148	32	5.3	74.8	3.2	6.4	38.3	122.2	100.3	223.3	6.2	6.2	112.4
San Diego	-	922	241	53.3	779.3	33.3	64.3	380.0	1 545.2	1 400.7	2 914.7	77.7	45.1	807.1
San Dimas	-	37	9	0.9	8.8	0.6	1.3	5.2	26.3	15.9	41.2	1.1	0.6	19.4
San Fernando	E1	90	27	3.8	32.5	3.2	5.7	21.9	58.8	86.7	146.4	3.6	2.0	22.9
San Francisco	E1	1 707	405	42.9	699.3	23.3	45.4	271.3	1 065.5	1 359.9	2 418.1	35.3	(NA)	(NA)
San Gabriel	E2	89	22	2.2	22.2	1.7	3.0	12.6	57.4	44.3	101.9	2.9	2.3	34.2
Sanger	-	10	5	1.8	15.3	1.6	3.3	12.7	33.0	55.8	87.4	2.0	1.6	19.9
San Jose	-	661	161	38.4	656.5	19.5	38.3	259.2	1 141.9	1 338.6	2 424.3	125.3	30.6	547.2
San Juan Capistrano	-	20	6	1.0	10.4	0.7	1.5	6.5	22.7	13.2	34.7	1.2	0.7	11.9
San Leandro	-	264	108	12.7	192.8	9.4	17.7	129.2	509.4	647.3	1 150.8	24.8	12.3	322.8
San Luis Obispo	E1	48	8	0.8	9.1	0.7	1.5	6.1	28.4	18.1	45.4	2.2	(NA)	(NA)
San Marcos	-	81	23	3.1	29.8	2.3	4.1	17.4	86.5	61.1	140.9	4.0	1.2	29.2
San Mateo	E2	109	15	1.3	23.5	0.5	0.8	5.9	21.3	13.8	35.1	1.2	1.0	18.1
San Rafael	E2	132	18	1.6	21.2	0.9	1.7	9.5	37.3	28.2	64.7	2.6	1.7	36.7
Santa Ana	E1	949	227	26.8	322.7	19.0	38.0	193.2	737.4	624.0	1 341.9	48.4	19.7	388.1
Santa Barbara	E1	195	34	3.3	38.9	2.1	4.1	20.1	81.9	56.8	136.3	4.6	2.0	34.7
Santa Clara	-	568	155	34.1	517.7	17.8	35.6	222.2	1 125.8	882.1	1 989.7	115.4	18.8	419.4
Santa Cruz	-	130	20	3.3	36.7	2.7	4.7	25.7	127.9	104.8	231.0	5.1	2.2	59.5
Santa Fe Springs	-	585	223	17.1	226.0	12.8	25.6	145.3	551.9	987.8	1 518.5	31.6	13.5	270.3
Santa Maria	-	72	16	2.9	30.7	2.3	4.2	21.6	70.3	104.5	173.1	3.7	2.3	38.9
Santa Monica	E1	272	69	6.8	83.0	4.9	9.5	47.1	188.5	140.4	328.7	10.9	11.1	206.4
Santa Paula	E2	29	7	0.5	5.0	0.4	0.8	3.6	14.1	15.7	29.7	0.4	0.5	8.7
Santa Rosa	E1	137	28	4.2	57.0	2.2	4.3	21.9	140.7	95.0	224.8	7.8	1.7	31.3
Scotts Valley	E1	23	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Seal Beach	-	12	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Sebastopol	-	24	4	0.5	4.6	0.5	0.8	3.3	7.1	17.3	24.4	0.5	0.6	5.1
Selma	-	17	7	0.6	6.0	0.5	0.8	4.2	23.5	22.2	45.7	1.1	(NA)	(NA)
Signal Hill	E1	109	22	1.8	24.1	1.2	2.3	12.3	54.9	40.9	98.6	3.2	1.7	32.3
Simi Valley	-	56	8	0.9	15.3	0.6	1.1	7.1	29.6	18.3	48.9	7.3	0.7	13.4
South El Monte	E2	545	138	10.7	109.0	8.5	16.0	72.2	227.5	207.6	431.3	9.6	8.5	125.7
South Gate	-	254	90	14.7	221.5	11.8	26.3	168.2	426.6	1 169.3	1 581.7	32.2	14.7	372.8
South Pasadena	-	29	8	0.9	10.8	0.6	1.2	5.4	24.0	11.6	35.0	0.5	1.1	14.5
South San Francisco	-	176	74	6.7	103.7	4.4	8.5	61.5	245.8	464.7	713.7	14.9	6.7	162.0
Stanton	E1	67	12	0.8	9.9	0.5	1.0	5.7	19.2	24.7	43.9	1.2	0.7	11.4
Stockton	-	165	59	8.1	105.4	6.3	11.9	79.0	232.9	430.6	658.5	22.1	7.3	134.3
Sunnyvale	-	394	161	48.8	870.1	17.7	33.2	207.4	1 792.0	1 101.4	2 875.5	137.7	35.5	800.8
Susanville	-	17	7	0.5	7.8	0.4	0.9	6.9	22.6	30.0	52.6	1.2	(NA)	(NA)
Thousand Oaks	E3	87	13	1.2	14.2	0.7	1.3	6.5	27.4	27.2	53.7	2.1	0.9	13.8
Torrance	-	303	113	16.6	246.5	11.0	22.0	141.5	778.2	997.8	1 783.2	40.4	23.4	638.0
Tracy	-	19	5	1.1	12.7	0.9	1.7	10.1	55.3	64.1	117.3	3.6	1.5	46.0
Tulare	-	29	13	1.2	12.6	0.7	1.5	7.0	50.5	137.7	188.1	1.7	0.6	10.2
Turlock	-	50	17	2.5	25.1	2.1	4.1	20.2	51.7	122.4	173.6	3.8	2.6	36.6
Tustin	-	62	18	2.3	30.1	1.3	2.6	15.3	124.2	110.5	231.2	4.1	1.3	34.1
Ukiah	-	34	10	1.1	16.2	0.8	1.8	11.8	32.3	66.5	97.5	(D)	0.9	22.5
Union City	-	61	31	2.9	44.2	2.3	4.4	32.3	126.0	208.7	335.9	9.8	3.1	66.8
Upland	-	90	17	2.0	20.6	1.5	2.8	12.4	50.5	83.8	131.6	2.1	1.2	24.0
Vacaville	-	22	6	0.9	10.2	0.6	1.1	5.9	13.5	17.1	31.2	1.2	1.0	17.6
Vallejo	-	32	11	0.9	11.0	0.6	1.1	7.4	27.8	59.0	86.8	1.6	0.6	12.7
Ventura (San Buenaventura)	-	73	15	1.9	26.5	1.3	2.3	15.2	60.5	57.1	110.6	6.4	1.6	35.4
Vernon	-	389	226	32.3	458.7	24.3	47.7	312.0	1 030.3	1 914.3	2 923.8	59.2	(NA)	(NA)
Visalia	-	79	26	3.1	31.7	2.4	4.8	21.8	74.2	167.1	239.2	7.8	2.7	47.3
Walnut Creek	E1	45	6	1.4	16.1	0.3	0.6	3.6	26.6	14.0	39.1	1.1	1.4	20.2
Watsonville	-	67	24	3.2	31.8	2.8	4.9	24.2	105.4	117.0	221.7	4.3	3.5	41.6
West Covina	-	30	6	1.9	29.3	0.6	1.3	7.3	39.8	62.6	101.9	1.5	0.6	12.4
West Hollywood	E1	147	17	1.8	19.9	0.9	1.7	7.7	70.8	58.6	129.6	1.0	1.6	33.7
Westminster	E2	118	20	2.2	22.7	1.8	3.4	15.8	44.2	47.3	90.4	2.1	2.1	31.0
Whittier	-	138	36	2.9	35.1	2.1	4.0	21.0	73.9	66.2	138.4	4.6	2.1	33.4
Willits	-	34	10	1.1	13.7	0.9	1.6	10.7	26.9	40.2	66.8	3.3	(D)	(D)
Willowbrook	-	108	49	10.0	139.1	7.6	14.1	97.7	346.5	201.3	486.5	11.0	8.3	166.9
Woodland	-	68	28	3.3	40.2	2.7	5.3	28.1	141.1	189.4	322.6	8.8	2.3	57.4
Yuba City	-	45	14	1.8	17.6	1.7	3.0	15.1	78.2	78.3	151.9	7.4	(D)	(D)

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Including central administrative offices and auxiliaries (for definition, see appendix B).
³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	All industries - - - - -	-	45 289	12 883	1 751.5	24 671.5	1 142.6	2 224.2	13 150.5	54 862.4	66 881.2	120 895.8	3 385.4	1 545.1	31 175.2
20	Food and kindred products - - - - -	-	2 604	1 123	163.4	2 112.1	121.0	232.7	1 417.4	6 578.0	13 993.2	20 504.1	470.6	155.0	4 019.9
201	Meat products - - - - -	-	283	146	16.1	217.6	12.6	24.0	157.8	498.8	2 154.6	2 657.4	32.5	15.5	286.0
2011	Meat packing plants - - - - -	-	127	60	5.9	95.0	4.4	9.3	71.4	187.4	1 366.6	1 556.8	8.3	5.9	114.0
2013	Sausages and other prepared meats - - - - -	-	113	54	6.1	88.9	4.5	8.7	59.8	193.7	532.8	726.3	10.4	FF	(D)
2016	Poultry dressing plants - - - - -	-	32	23	3.6	30.1	3.3	5.2	23.7	108.8	233.2	343.6	13.6	3.5	39.8
2017	Poultry and egg processing - - - - -	E3	11	9	0.5	3.6	0.4	0.8	2.8	8.9	22.0	30.7	0.2	CC	(D)
202	Dairy products - - - - -	-	263	104	10.0	149.0	5.9	11.5	83.1	415.2	1 905.9	2 313.3	24.1	12.5	311.5
2022	Cheese, natural and processed - - - - -	E1	18	9	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2023	Condensed and evaporated milk - - - - -	-	24	13	0.8	12.2	0.6	1.3	8.8	48.6	302.9	349.0	4.7	CC	(D)
2024	Ice cream and frozen desserts - - - - -	-	70	21	1.5	22.5	1.2	2.4	17.3	52.5	176.7	229.1	2.4	1.6	28.6
2026	Fluid milk - - - - -	-	150	61	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	9.7	242.9
203	Preserved fruits and vegetables - - - - -	-	417	243	53.9	602.7	47.1	88.2	493.2	1 770.4	2 979.3	4 731.8	128.7	50.2	980.6
2032	Canned specialties - - - - -	-	50	22	3.8	47.6	3.1	6.0	36.6	179.4	233.6	413.6	8.3	FF	(D)
2033	Canned fruits and vegetables - - - - -	-	143	105	25.9	303.9	23.2	43.0	261.1	801.2	1 489.2	2 276.8	53.3	24.5	521.8
2034	Dehydrated fruits, vegetables, and soups - - - - -	-	83	34	6.6	76.7	5.6	10.9	57.2	240.0	404.8	633.9	37.7	6.0	90.9
2035	Pickles, sauces, and salad dressings - - - - -	-	59	25	3.3	39.8	2.8	5.6	30.7	190.2	267.0	457.5	11.6	FF	(D)
2037	Frozen fruits and vegetables - - - - -	-	42	35	10.0	87.6	9.1	16.1	75.4	240.1	272.7	518.7	12.3	8.3	109.8
2038	Frozen specialties - - - - -	-	40	22	4.3	47.0	3.3	6.6	32.2	119.5	312.0	431.3	5.4	4.0	79.6
204	Grain mill products - - - - -	-	216	81	7.3	112.6	5.2	11.1	73.9	405.9	1 107.0	1 503.0	18.3	7.3	314.5
2041	Flour and other grain mill products - - - - -	-	15	8	0.8	12.8	0.6	1.4	8.6	41.7	177.0	218.6	2.3	0.6	25.9
2043	Cereal breakfast foods - - - - -	-	7	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2044	Rice milling - - - - -	-	12	9	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	24.7
2045	Blended and prepared flour - - - - -	E1	19	8	0.6	8.6	0.4	0.9	5.6	30.9	46.5	77.5	1.6	0.9	73.1
2047	Dog, cat, and other pet food - - - - -	-	28	10	1.4	22.5	1.0	2.1	14.8	69.9	127.7	198.6	2.6	1.7	76.2
2048	Prepared feeds, n.e.c. - - - - -	-	134	43	2.5	36.5	1.5	3.5	19.6	80.4	490.1	571.2	7.7	2.8	66.5
205	Bakery products - - - - -	-	330	125	19.7	301.6	11.0	21.0	155.8	727.0	460.5	1 186.5	42.8	20.8	454.6
2051	Bread, cake, and related products - - - - -	-	287	105	16.8	261.7	8.9	17.1	130.6	598.8	366.2	964.7	37.1	18.3	385.0
2052	Cookies and crackers - - - - -	-	43	20	2.9	39.9	2.1	3.9	25.2	128.2	94.3	221.8	5.7	2.5	69.6
206	Sugar and confectionery products - - - - -	-	130	57	9.8	115.7	7.5	15.0	83.3	378.7	721.5	1 113.1	32.5	10.3	267.3
2062	Cane sugar refining - - - - -	-	2	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2063	Beet sugar - - - - -	-	11	11	3.1	35.6	2.6	5.6	28.2	72.6	240.0	325.2	13.1	FF	(D)
2065	Confectionery products - - - - -	-	105	36	4.0	39.9	2.8	5.3	25.4	118.1	123.8	242.9	8.2	4.8	78.4
2066	Chocolate and cocoa products - - - - -	-	8	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2067	Chewing gum - - - - -	-	3	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
207	Fats and oils - - - - -	-	91	43	3.8	59.0	2.7	5.8	39.0	224.3	887.9	1 115.3	16.3	3.6	157.4
2074	Cottonseed oil mills - - - - -	-	9	7	0.9	11.4	0.7	1.4	8.1	52.0	140.6	196.2	2.8	CC	(D)
2075	Soybean oil mills - - - - -	E2	7	3	0.2	2.6	0.2	0.4	2.0	1.9	7.8	9.6	(D)	(NA)	(NA)
2077	Animal and marine fats and oils - - - - -	-	42	17	1.0	18.7	0.7	1.6	12.2	66.8	158.9	226.0	3.8	1.2	42.3
2079	Shortening and cooking oils - - - - -	-	24	14	1.6	25.1	1.1	2.2	16.0	98.9	562.3	661.2	8.4	EE	(D)
208	Beverages - - - - -	-	370	156	19.3	299.6	10.5	20.6	154.3	1 194.2	1 787.5	2 936.0	127.5	17.7	780.2
2082	Malt beverages - - - - -	-	11	5	2.6	54.5	2.0	3.8	40.8	184.5	313.6	497.3	(D)	2.5	122.7
2084	Wines, brandy, and brandy spirits - - - - -	-	165	54	6.9	103.7	4.0	7.8	55.7	405.6	745.7	1 109.3	43.8	6.3	297.6
2085	Distilled liquor, except brandy - - - - -	-	12	8	0.9	13.6	0.7	1.3	10.0	107.4	80.8	186.6	(D)	CC	(D)
2086	Bottled and canned soft drinks - - - - -	-	129	73	7.9	114.1	3.2	6.5	39.9	396.0	539.4	932.5	49.1	7.3	210.1
2087	Flavoring extracts and sirups, n.e.c. - - - - -	E1	51	14	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.7	75.0
209	Miscellaneous foods and kindred products - - - - -	-	504	168	23.5	254.3	18.4	35.5	177.1	963.4	1 989.0	2 947.7	47.9	17.1	467.8
2091	Canned and cured seafoods - - - - -	-	16	10	7.1	71.4	6.0	11.6	55.1	213.8	567.2	780.5	11.9	4.2	67.8
2092	Fresh or frozen packaged fish - - - - -	-	61	29	2.5	21.6	2.1	4.0	15.4	60.6	146.7	207.2	2.1	1.5	17.7
2095	Roasted coffee - - - - -	-	22	12	1.4	21.6	1.0	1.9	14.9	196.6	763.8	951.6	8.8	1.3	113.7
2097	Manufactured ice - - - - -	-	52	11	0.6	6.2	0.3	0.6	2.2	14.1	6.3	20.4	2.0	0.9	10.7
2098	Macaroni and spaghetti - - - - -	-	37	13	1.4	18.1	1.0	2.3	10.6	53.8	52.6	105.3	2.7	0.8	16.3
2099	Food preparations, n.e.c. - - - - -	E1	316	93	10.6	115.4	8.0	15.2	78.9	424.5	452.4	882.7	20.4	8.4	241.6
22	Textile mill products - - - - -	E1	419	160	16.4	159.5	13.1	25.5	105.1	356.1	608.7	954.7	17.6	12.2	231.6
2211	Weaving mills, cotton - - - - -	E2	20	3	0.4	3.4	0.4	0.7	2.8	6.7	7.3	14.0	0.5	(NA)	(NA)
2221	Weaving mills, manmade fiber and silk - - - - -	E3	26	7	0.4	3.6	0.4	0.7	2.7	6.4	12.5	19.0	0.8	BB	(D)
2241	Narrow fabric mills - - - - -	E2	11	4	0.3	2.5	0.3	0.6	1.9	4.3	3.9	8.3	0.1	AA	(D)
225	Knitting mills - - - - -	E1	112	51	4.4	36.7	3.8	7.1	26.8	67.5	89.0	156.0	2.3	3.2	57.2
2253	Knit outerwear mills - - - - -	E2	73	33	2.5	18.2	2.2	3.9	13.6	34.6	23.7	56.7	(D)	EE	(D)
2257	Circular knit fabric mills - - - - -	-	23	11	1.3	11.7	1.0	2.1	8.8	20.0	42.9	63.2	1.4	EE	(D)
2258	Warp knit fabric mills - - - - -	-	5	4	0.5	6.0	0.4	0.8	3.7	11.6	21.2	32.6	(D)	AA	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	E1	1977											1972	
			All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
22	Textile mill products—														
	Con.														
226	Textile finishing, except wool ---	E1	41	10	1.0	10.0	0.8	1.7	7.5	20.1	24.3	44.6	1.8	CC	(D)
2261	Finishing plants, cotton -----	E2	14	2	0.2	2.1	0.2	0.4	1.8	2.3	1.0	3.3	0.1	(NA)	(NA)
2262	Finishing plants, synthetics ---	E1	16	4	0.3	3.7	0.3	0.6	2.5	9.1	6.9	16.4	1.0	BB	(D)
2269	Finishing plants, n.e.c. -----	E1	11	4	0.4	4.3	0.4	0.8	3.3	8.6	16.4	24.9	0.8	BB	(D)
227	Floor covering mills -----	-	83	37	5.8	64.7	4.1	8.0	36.4	163.9	353.3	508.0	6.0	FF	(D)
2272	Tufted carpets and rugs -----	-	71	37	5.7	64.2	4.0	7.9	36.1	162.8	351.6	505.2	6.0	FF	(D)
228	Yarn and thread mills -----	-	21	12	1.6	13.3	1.5	2.9	11.2	31.0	48.4	78.3	3.0	CC	(D)
2281	Yarn mills, except wool -----	-	14	7	1.2	9.1	1.1	2.1	7.9	20.6	30.9	50.5	2.5	BB	(D)
2282	Throwing and winding mills ---	-	5	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
229	Miscellaneous textile goods ---	-	95	34	2.3	24.2	1.7	3.5	15.0	54.3	68.4	123.1	3.1	1.9	34.7
2291	Felt goods, except woven	-	4	2	0.5	5.6	0.3	0.7	3.3	10.5	14.2	23.8	(D)	BB	(D)
2293	Felts and hats -----	-	4	2	0.5	5.6	0.3	0.7	3.3	10.5	14.2	23.8	(D)	BB	(D)
2293	Paddings and upholstery	-	23	12	0.6	6.1	0.5	0.9	3.9	14.5	15.3	29.7	0.6	0.4	5.7
2293	filling -----	-	23	12	0.6	6.1	0.5	0.9	3.9	14.5	15.3	29.7	0.6	0.4	5.7
2295	Coated fabrics, not	-	19	9	0.5	6.2	0.4	0.7	3.5	15.0	19.3	34.0	0.6	CC	(D)
2295	rubberized -----	E1	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2297	Nonwoven fabrics -----	-	12	5	0.3	2.0	0.2	0.4	1.6	6.1	6.2	12.1	0.1	0.2	3.3
2298	Cordage and twine -----	-	12	5	0.3	2.0	0.2	0.4	1.6	(D)	(D)	(D)	(D)	(NA)	(NA)
2299	Textile goods, n.e.c. -----	E5	31	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
23	Apparel and other														
	textile products -----	E1	4 288	1 255	101.1	772.7	85.2	150.3	520.8	1 770.5	1 957.9	3 728.3	33.1	82.2	893.8
2311	Men's and boys' suits and	-	48	13	2.2	17.6	1.8	3.3	12.8	35.8	34.7	72.2	(D)	FF	(D)
2311	coats -----	-	48	13	2.2	17.6	1.8	3.3	12.8	35.8	34.7	72.2	(D)	FF	(D)
232	Men's and boys' furnishings ---	-	296	152	14.0	99.4	11.5	20.7	67.1	278.2	385.7	668.6	(D)	11.6	127.6
2321	Men's and boys' shirts and	-	130	76	5.5	41.3	4.3	8.1	25.5	98.8	134.2	241.1	1.1	4.6	55.4
2321	nightwear -----	-	20	9	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2323	Men's and boys' neckwear ---	-	41	15	2.0	13.2	1.6	2.8	9.3	26.2	16.7	42.2	0.3	EE	(D)
2327	Men's and boys' separate	E1	41	15	2.0	13.2	1.6	2.8	9.3	26.2	16.7	42.2	0.3	EE	(D)
2327	trousers -----	-	39	22	2.5	17.2	2.3	4.4	14.1	99.4	181.9	279.8	0.8	EE	(D)
2328	Men's and boys' work	-	39	22	2.5	17.2	2.3	4.4	14.1	99.4	181.9	279.8	0.8	EE	(D)
2328	clothing -----	-	64	29	3.4	21.5	2.9	4.5	15.3	42.3	41.5	82.5	1.3	2.0	19.9
2329	Men's and boys' clothing,	-	64	29	3.4	21.5	2.9	4.5	15.3	42.3	41.5	82.5	1.3	2.0	19.9
2329	n.e.c. -----	-	64	29	3.4	21.5	2.9	4.5	15.3	42.3	41.5	82.5	1.3	2.0	19.9
233	Women's and misses' outerwear	E1	2 656	782	58.6	443.1	49.9	86.6	299.3	1 022.7	1 082.1	2 104.6	(D)	40.9	462.7
2331	Women's and misses' blouses and waists	-	293	151	10.9	89.8	9.1	15.5	56.3	228.7	292.5	516.7	(D)	4.6	72.2
2335	Women's and misses' dresses -----	E3	1 831	356	25.0	171.9	21.9	37.8	122.5	369.7	345.3	710.7	6.0	21.2	208.1
2337	Women's and misses' suits and coats	-	218	119	8.6	67.6	7.5	13.0	47.8	153.7	173.1	336.1	(D)	6.2	75.7
2339	Women's and misses' outerwear, n.e.c. -----	E1	314	156	14.1	113.9	11.4	20.2	72.7	270.6	271.3	541.0	(D)	9.3	110.2
234	Women's and children's undergarments	-	54	30	4.2	34.4	3.4	6.4	21.4	72.6	43.1	115.6	(D)	4.3	45.0
2341	Women's and children's underwear	-	40	20	2.3	16.9	2.0	3.8	12.5	32.8	22.5	55.1	0.5	1.9	19.5
2342	Brassieres and allied garments	-	14	10	1.9	17.5	1.4	2.6	9.0	39.8	20.6	60.4	(D)	2.4	25.5
235	Hats, caps, and millinery -----	E3	33	7	0.6	4.0	0.5	0.9	2.8	7.6	6.7	14.3	(D)	BB	(D)
2352	Hats and caps, except millinery	E2	17	5	0.4	3.1	0.4	0.7	2.2	5.7	4.4	10.1	0.1	BB	(D)
236	Children's outerwear -----	-	59	32	2.7	21.6	2.2	3.7	12.5	50.1	61.6	110.1	(D)	2.4	25.6
2361	Children's dresses and blouses	-	35	20	1.8	14.3	1.4	2.4	8.0	32.5	42.3	73.5	0.6	EE	(D)
2369	Children's outerwear, n.e.c. ---	-	21	11	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.1	17.4
238	Miscellaneous apparel and accessories	E1	170	35	2.8	22.4	2.3	4.1	15.5	39.6	35.3	74.0	(D)	2.1	23.7
2385	Waterproof outer garments	-	5	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2386	Leather and sheep lined clothing	E1	40	9	0.8	7.3	0.7	1.3	5.3	12.5	14.7	26.9	0.2	0.5	8.6
2387	Apparel belts -----	E2	42	9	0.7	6.0	0.6	1.1	3.8	13.0	8.8	21.2	0.3	CC	(D)
2389	Apparel and accessories, n.e.c. -----	E1	69	14	0.9	6.3	0.7	1.2	4.6	9.2	6.7	15.7	0.2	CC	(D)
239	Miscellaneous fabricated textile products	E1	950	202	16.0	129.5	13.4	24.4	88.7	261.5	304.9	563.0	(D)	15.1	141.2
2391	Curtains and draperies -----	E3	389	56	4.2	30.2	3.6	6.3	21.0	52.2	59.4	110.5	(D)	4.0	32.6
2392	House furnishings, n.e.c. -----	E1	123	39	3.2	26.6	2.8	5.4	18.4	64.1	81.6	145.3	(D)	3.6	38.9
2393	Textile bags -----	-	19	5	0.6	5.6	0.5	0.9	3.7	11.9	21.4	32.7	(D)	0.7	8.8
2394	Canvas and related products	E1	124	17	1.3	12.1	1.1	2.0	7.9	22.8	21.9	44.3	(D)	1.2	11.3
2395	Pleating and stitching	E1	99	31	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.2	20.0
2396	Automotive and apparel trimmings	E1	73	18	1.0	10.1	0.9	1.6	7.9	19.5	18.2	37.5	(D)	CC	(D)
2397	Schiffli machine embroideries	-	5	4	0.3	2.4	0.3	0.5	1.9	3.6	1.5	5.0	(Z)	(NA)	(NA)
2399	Fabricated textile products, n.e.c. -----	E2	118	32	2.5	19.4	2.1	3.7	13.5	38.2	40.0	78.1	0.7	2.7	21.1

See footnotes at end of table.

**Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.**

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
24	Lumber and wood products -----	-	2 731	697	67.1	831.3	57.7	115.0	667.5	1 840.0	2 661.2	4 468.5	135.5	62.6	1 137.3
2411	Logging camps and logging contractors -----	E1	672	78	6.1	76.9	5.5	9.6	66.0	187.7	262.4	450.6	25.8	6.1	112.9
242	Sawmills and planing mills ----	-	391	172	20.7	295.2	18.2	39.2	254.8	726.1	1 011.4	1 720.3	39.7	21.0	472.7
2421	Sawmills and planing mills, general -----	-	288	154	19.4	284.1	16.9	36.9	245.8	705.2	993.1	1 681.4	38.0	19.9	460.5
2426	Hardwood dimension and flooring -----	E2	83	17	1.2	9.8	1.1	2.0	7.9	17.9	13.7	81.3	1.5	1.0	11.3
2429	Special product sawmills, n.e.c. -----	E1	20	1	0.2	1.3	0.1	0.2	1.1	3.0	4.7	7.6	0.3	(NA)	(NA)
243	Millwork, plywood, and structural members -----	E1	875	225	18.6	232.0	15.6	30.6	179.1	442.3	651.8	1 086.4	22.2	17.5	277.9
2431	Millwork -----	E1	342	107	9.0	105.2	7.6	14.9	81.8	206.5	375.5	576.4	12.4	8.4	130.1
2434	Wood kitchen cabinets -----	E1	438	72	5.3	71.9	4.4	8.8	52.7	117.2	80.8	196.7	3.9	4.3	63.4
2435	Hardwood veneer and plywood -----	-	17	10	1.0	11.2	0.8	1.5	9.0	25.2	71.1	96.0	1.2	1.2	26.0
2436	Softwood veneer and plywood -----	-	16	11	1.6	24.5	1.5	3.0	21.8	46.4	71.3	117.7	2.8	2.5	42.1
2439	Structural wood members, n.e.c. -----	-	62	25	1.6	19.3	1.3	2.4	13.8	47.1	53.1	99.7	2.0	1.2	16.3
244	Wood containers -----	-	180	45	3.5	34.1	3.0	5.6	26.6	58.0	92.5	152.0	2.3	3.1	41.4
2441	Nailed wood boxes and shook -----	-	80	18	1.6	16.0	1.4	2.5	13.0	26.3	46.1	74.0	1.0	EE	(D)
2448	Wood pallets and skids -----	-	65	25	1.6	15.5	1.4	2.5	11.3	26.3	41.6	67.8	1.2	1.0	12.6
2449	Wood containers, n.e.c. -----	E1	35	2	0.3	2.7	0.3	0.5	2.3	5.4	4.9	10.3	0.1	BB	(D)
245	Wood buildings and mobile homes -----	E1	121	75	9.2	100.8	7.8	15.3	74.3	219.2	397.3	613.4	20.1	8.3	120.5
2451	Mobile homes -----	E1	80	61	7.9	85.9	6.8	13.3	63.3	186.5	329.7	513.0	19.0	7.7	112.5
2452	Prefabricated wood buildings -----	E1	41	14	1.3	14.9	1.0	2.0	11.0	32.7	67.7	100.3	1.1	0.6	7.9
249	Miscellaneous wood products --	-	492	102	9.2	92.2	7.7	14.6	66.7	206.7	245.7	445.8	25.4	6.6	112.1
2491	Wood preserving -----	-	30	14	0.7	8.0	0.6	1.0	5.3	20.3	43.2	63.0	(D)	BB	(D)
2492	Particleboard -----	-	5	4	0.3	5.5	0.3	0.6	4.2	13.2	14.9	27.9	(D)	CC	(D)
2499	Wood products, n.e.c. -----	-	457	84	8.1	78.7	6.8	12.9	57.2	173.2	187.6	354.8	22.1	5.7	92.4
25	Furniture and fixtures -	E1	1 752	570	51.9	528.5	43.0	83.5	378.2	1 064.7	959.8	2 001.5	39.5	43.2	623.8
251	Household furniture -----	E1	1 075	365	34.7	325.9	29.2	56.3	237.6	658.5	639.0	1 283.2	27.0	29.3	395.4
2511	Wood household furniture ---	E2	548	135	12.6	109.6	11.1	21.7	84.0	217.4	191.7	400.7	15.3	9.1	113.2
2512	Upholstered household furniture -----	E1	263	122	10.2	102.1	8.7	16.1	76.1	189.8	183.6	371.3	4.6	9.5	119.2
2514	Metal household furniture ---	-	80	40	5.8	53.1	4.6	9.1	35.6	122.1	112.1	232.5	4.3	FF	(D)
2515	Mattresses and bedsprings --	E1	113	42	3.4	40.8	2.6	5.3	26.9	88.9	103.3	191.1	1.5	4.0	64.5
2517	Wood TV and radio cabinets -----	-	25	15	1.7	12.2	1.4	2.4	8.8	21.5	32.8	54.2	0.4	CC	(D)
2519	Household furniture, n.e.c. ---	E3	46	11	1.0	8.2	0.8	1.7	6.3	18.6	15.6	33.4	0.8	CC	(D)
252	Office furniture -----	-	124	49	5.4	56.9	4.4	8.5	41.5	136.1	98.7	233.0	4.2	3.5	60.2
2521	Wood office furniture -----	E1	88	29	2.8	26.4	2.3	4.5	18.8	49.8	36.3	85.2	2.4	EE	(D)
2522	Metal office furniture -----	-	36	20	2.6	30.5	2.1	4.0	22.7	86.3	62.4	147.8	1.8	EE	(D)
2531	Public building and related furniture -----	-	58	16	1.8	20.6	1.4	2.6	13.2	37.2	33.7	70.7	1.5	1.9	25.1
254	Partitions and fixtures -----	E1	338	97	5.8	78.5	4.6	9.1	54.6	141.5	106.3	244.8	3.4	5.3	95.1
2541	Wood partitions and fixtures -	E1	256	57	3.4	50.9	2.7	5.4	37.1	87.2	54.8	140.6	1.7	FF	(D)
2542	Metal partitions and fixtures -	-	82	40	2.4	27.6	1.9	3.7	17.5	54.3	51.5	104.2	1.8	EE	(D)
259	Miscellaneous furniture and fixtures -----	-	157	43	4.3	46.6	3.4	7.1	31.2	91.4	82.1	169.7	3.4	3.2	48.1
2591	Drapery hardware and blinds and shades -----	-	67	14	2.0	19.4	1.6	3.0	12.9	39.1	39.2	75.5	2.0	1.2	16.1
2599	Furniture and fixtures, n.e.c. -	-	90	29	2.3	27.3	1.8	4.1	18.3	52.3	43.0	94.2	1.4	2.1	31.9
26	Paper and allied products -----	-	580	321	35.9	530.2	27.9	56.3	385.2	1 309.7	2 011.7	3 298.9	115.6	34.5	721.0
2611	Pulp mills -----	-	3	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2621	Paper mills, except building paper -----	-	11	9	1.9	35.9	1.6	3.3	29.5	85.1	164.8	249.4	(D)	CC	(D)
2631	Paperboard mills -----	-	16	15	2.7	48.0	2.2	4.3	38.2	113.2	177.8	291.6	26.1	FF	(D)
264	Miscellaneous converted paper products -----	-	306	128	14.2	186.5	10.9	22.5	135.2	540.9	690.4	1 219.8	27.7	12.4	264.9
2641	Paper coating and glazing ---	E1	59	17	1.9	26.9	1.4	2.8	17.3	63.2	89.7	151.1	5.4	EE	(D)
2642	Envelopes -----	-	30	22	2.0	26.7	1.4	2.9	18.3	50.2	43.8	93.2	2.0	1.8	31.0
2643	Bags, except textile bags ---	-	56	34	3.5	43.2	2.8	5.7	31.6	107.5	168.9	274.4	7.3	3.1	60.8
2645	Die-cut paper and board -----	E1	41	14	1.2	12.6	1.0	1.9	8.9	32.1	33.4	64.7	1.0	1.2	22.5
2646	Pressed and molded pulp goods -----	-	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.7	15.5
2647	Sanitary paper products -----	-	13	10	2.6	40.8	2.1	4.4	33.8	183.0	266.3	445.1	6.3	EE	(D)
2648	Stationery products -----	E1	28	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2649	Converted paper products, n.e.c. -----	E1	77	22	1.6	17.4	1.1	2.1	10.3	48.7	41.8	90.1	2.3	1.0	22.8

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]															
SIC code	Industry	1977											1972		
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
26	Paper and allied products—Con.														
265	Paperboard containers and boxes	-	241	163	16.4	245.2	12.6	25.0	170.7	514.3	902.0	1 412.0	50.3	16.5	312.1
2651	Folding paperboard boxes	E2	44	26	3.5	51.7	2.8	5.7	37.3	101.8	118.6	218.8	13.6	3.6	64.9
2652	Setup paperboard boxes	-	19	10	0.5	5.0	0.4	0.8	3.4	9.4	7.4	16.7	0.8	1.0	11.3
2653	Corrugated and solid fiber boxes	-	136	98	9.0	143.1	6.6	13.1	95.9	290.7	593.9	883.5	31.1	8.3	162.7
2654	Sanitary food containers	-	22	17	2.5	33.3	2.0	3.8	24.7	82.4	134.6	216.1	2.3	2.8	57.6
2655	Fiber cans, drums, and similar products	-	20	12	0.9	12.1	0.8	1.6	9.4	29.9	47.5	76.9	2.5	0.8	15.7
2661	Building paper and board mills	-	3	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
27	Printing and publishing	E1	5 905	900	97.1	1 275.4	55.3	100.8	681.8	2 876.7	1 604.0	4 463.1	134.7	88.0	1 706.9
2711	Newspapers	-	608	199	34.4	444.4	13.1	23.0	179.7	1 050.9	402.0	1 452.5	42.0	33.3	654.7
2721	Periodicals	E1	416	56	4.6	63.4	1.1	2.1	11.0	218.2	128.5	351.0	5.5	3.8	97.8
273	Books	E1	387	66	6.0	76.3	2.4	4.4	24.6	208.8	109.2	310.9	9.8	5.0	106.4
2731	Book publishing	E1	298	39	4.0	54.5	0.9	1.7	9.9	159.9	82.9	236.2	6.5	FF	(D)
2732	Book printing	-	89	27	2.0	21.8	1.5	2.8	14.8	48.9	26.3	74.7	3.3	CC	(D)
2741	Miscellaneous publishing	E2	379	52	4.5	51.1	1.9	3.1	17.4	126.7	47.3	173.0	4.3	FF	(D)
275	Commercial printing	E1	3 363	354	34.0	461.3	26.6	48.8	326.6	862.1	666.7	1 520.5	53.6	29.7	533.0
2751	Commercial printing, letterpress	E2	1 796	116	11.3	135.6	9.0	16.2	95.0	265.1	213.1	476.6	15.9	12.9	219.6
2752	Commercial printing, lithographic	E1	1 467	219	20.1	285.7	15.4	28.8	201.5	528.8	419.3	941.9	35.3	15.0	281.9
2753	Engraving and plate printing	-	60	13	1.0	14.7	0.8	1.4	9.6	27.0	10.3	36.9	1.5	CC	(D)
2754	Commercial printing, gravure	-	40	6	1.6	25.3	1.5	2.4	20.5	41.2	24.0	65.1	1.0	CC	(D)
2761	Manifold business forms	-	97	60	4.9	66.4	3.5	6.8	43.3	191.5	166.7	354.4	9.8	3.9	99.1
2771	Greeting card publishing	E3	26	4	0.3	4.2	0.2	0.5	2.6	9.4	5.2	14.5	0.2	EE	(D)
278	Blankbooks and bookbinding	-	182	50	4.2	44.3	3.5	6.6	32.1	88.5	44.0	131.6	3.7	FF	(D)
2782	Blankbooks and looseleaf binders	-	43	23	2.4	27.2	1.9	3.7	18.9	57.6	35.9	92.6	1.9	FF	(D)
2789	Bookbinding and related work	E1	139	27	1.8	17.1	1.6	2.9	13.2	30.9	8.1	39.0	1.8	1.5	13.9
279	Printing trade services	E1	447	59	4.1	63.9	3.0	5.5	44.5	120.5	34.4	154.7	5.7	3.2	60.3
2791	Typesetting	E2	316	32	2.2	30.0	1.8	3.1	22.7	48.8	8.2	57.5	3.3	EE	(D)
2793	Photoengraving	E1	62	4	0.6	8.7	0.4	0.6	4.6	26.3	13.2	39.1	0.7	CC	(D)
2795	Lithographic platemaking services	-	66	23	1.3	25.0	0.9	1.7	17.1	44.9	12.7	57.5	1.7	0.5	10.9
28	Chemicals and allied products	-	1 463	486	52.7	781.5	29.7	59.2	360.9	2 803.4	3 399.5	6 182.9	236.6	45.2	1 725.7
281	Industrial inorganic chemicals	-	123	49	5.8	107.2	2.7	5.3	38.9	286.5	309.7	596.4	41.6	3.1	113.4
2813	Industrial gases	E1	46	11	1.0	14.7	0.6	1.2	7.8	55.8	57.7	113.2	20.1	EE	(D)
2816	Inorganic pigments	-	11	6	0.6	8.5	0.4	0.9	4.2	30.6	25.8	54.7	(D)	CC	(D)
2819	Industrial inorganic chemicals, n.e.c.	-	60	32	4.2	83.6	1.7	3.3	26.7	197.8	224.2	424.3	19.0	1.4	50.5
282	Plastics materials and synthetics	-	59	40	2.4	40.1	1.4	2.9	21.1	190.8	398.4	586.5	19.0	EE	(D)
2821	Plastics materials and resins	-	48	38	2.3	38.4	1.3	2.7	20.1	181.8	381.6	560.8	18.6	EE	(D)
283	Drugs	-	163	61	11.8	169.2	6.0	12.2	64.5	480.7	389.9	864.7	44.9	8.7	245.9
2831	Biological products	-	40	14	2.7	41.4	1.4	2.9	14.8	65.4	100.2	168.1	3.1	FF	(D)
2833	Medicinals and botanicals	E1	27	8	0.5	6.5	0.3	0.6	3.6	22.7	24.8	47.2	1.3	AA	(D)
2834	Pharmaceutical preparations	-	96	39	8.5	121.3	4.2	8.6	46.2	392.6	264.9	649.5	40.5	5.8	190.1
284	Soaps, cleaners, and toilet goods	-	378	101	11.4	144.5	7.6	15.1	83.3	725.6	713.7	1 431.2	39.7	10.8	598.6
2841	Soap and other detergents	-	100	32	3.5	59.7	2.4	4.7	37.8	332.0	386.1	710.3	20.2	3.8	238.5
2842	Polishes and sanitation goods	-	155	35	2.4	30.8	1.5	3.0	16.7	122.2	165.5	287.6	(D)	EE	(D)
2843	Surface active agents	-	9	3	0.2	3.0	0.1	0.2	1.5	10.9	19.1	29.4	(D)	BB	(D)
2844	Toilet preparations	-	114	31	5.3	50.8	3.6	7.1	27.3	260.5	143.0	403.9	11.2	4.6	268.4
2851	Paints and allied products	-	232	88	7.7	109.1	4.1	8.2	49.1	386.3	549.8	929.4	12.8	7.8	230.3
286	Industrial organic chemicals	-	52	24	3.9	73.8	2.0	3.8	31.0	233.6	368.7	600.2	31.0	FF	(D)
2865	Cyclic crudes and intermediates	-	8	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2869	Industrial organic chemicals, n.e.c.	-	42	19	3.6	69.3	1.9	3.5	28.5	214.1	341.6	555.2	29.7	EE	(D)
287	Agricultural chemicals	-	115	35	3.4	50.1	2.1	4.3	27.9	224.8	344.6	578.4	30.0	3.1	109.8
2873	Nitrogenous fertilizers	-	18	8	0.9	15.1	0.7	1.4	10.8	61.3	114.8	182.2	(D)	0.5	19.3
2874	Phosphatic fertilizers	-	6	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2875	Fertilizers, mixing only	E1	35	8	0.6	6.7	0.3	0.7	3.1	23.7	35.7	59.9	1.2	BB	(D)
2879	Agricultural chemicals, n.e.c.	-	56	15	1.2	17.4	0.8	1.5	9.3	105.1	131.1	236.5	9.2	1.3	38.9
289	Miscellaneous chemical products	-	341	88	6.3	87.6	3.7	7.5	45.1	275.2	324.7	596.1	17.5	6.6	192.4
2891	Adhesives and sealants	-	78	27	1.8	25.4	1.1	2.2	12.2	80.1	115.8	195.3	2.8	EE	(D)
2892	Explosives	-	9	5	0.7	9.0	0.4	1.0	4.9	19.8	14.4	33.5	(D)	0.5	9.8
2893	Printing ink	E1	46	21	1.0	16.0	0.6	1.2	7.7	37.8	50.0	87.2	1.2	0.9	23.0
2899	Chemical preparations, n.e.c.	-	205	32	2.6	35.1	1.6	3.0	18.9	130.1	131.2	259.7	11.1	3.7	112.4

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
29	Petroleum and coal products -----	-	225	78	18.5	350.8	11.5	22.6	212.9	2 539.9	9 981.3	12 460.1	152.8	16.1	724.7
2911	Petroleum refining -----	-	41	35	14.7	290.8	9.0	17.5	177.0	2 315.2	9 610.5	11 870.9	130.5	13.2	615.2
295	Paving and roofing materials---	-	121	22	2.3	36.7	1.8	3.7	27.6	112.3	209.3	318.6	13.4	2.1	70.7
2951	Paving mixtures and blocks---	-	88	7	0.7	11.6	0.5	1.0	8.4	44.0	86.9	130.5	2.4	0.8	29.1
2952	Asphalt felts and coatings---	-	33	15	1.6	25.1	1.3	2.8	19.2	68.3	122.4	188.1	11.0	1.3	41.6
299	Miscellaneous petroleum and coal products-----	-	63	21	1.5	23.3	0.7	1.3	8.2	112.5	161.5	270.6	8.9	0.8	38.9
2992	Lubricating oils and greases -	-	53	14	1.1	18.6	0.5	1.0	5.7	68.6	93.1	159.2	3.3	CC	(D)
2999	Petroleum and coal products, n.e.c. -----	-	10	7	0.3	4.7	0.2	0.4	2.6	43.9	68.4	111.4	5.6	AA	(D)
30	Rubber and miscellaneous plastics products ----	E1	1 762	645	63.6	738.1	48.8	95.3	475.9	1 698.0	1 653.0	3 312.1	138.5	50.8	943.7
3011	Tires and inner tubes -----	-	21	13	6.6	105.5	5.1	10.2	80.2	253.8	246.4	479.1	13.8	FF	(D)
3021	Rubber and plastics footwear --	E2	8	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3041	Rubber and plastics hose and belting -----	-	15	8	0.6	7.6	0.4	0.8	4.8	16.3	19.3	35.1	0.5	BB	(D)
3069	Fabricated rubber products, n.e.c. -----	-	174	73	8.1	87.2	6.4	12.6	55.5	190.4	180.6	375.9	14.1	6.6	101.8
3079	Miscellaneous plastics products -----	E1	1 542	546	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	36.1	621.5
31	Leather and leather products -----	-	302	95	11.6	94.5	10.4	19.2	72.4	179.9	185.4	361.4	6.3	FF	(D)
3111	Leather tanning and finishing --	-	36	13	1.7	20.8	1.5	3.0	15.7	41.6	68.2	108.8	(D)	1.6	22.8
3131	Boot and shoe cut stock and findings -----	-	5	4	0.2	1.2	0.2	0.3	0.8	2.1	1.8	3.8	0.1	0.2	1.4
314	Footwear, except rubber -----	-	58	30	5.1	37.6	4.7	8.9	30.7	68.9	49.3	116.6	(D)	3.0	27.3
3143	Men's footwear, except athletic -----	-	8	4	0.4	3.6	0.4	0.7	2.4	12.1	7.0	19.0	(D)	BB	(D)
3144	Women's footwear, except athletic -----	-	37	24	4.4	32.0	4.0	7.7	26.5	53.1	41.4	93.2	(D)	2.5	22.8
3149	Footwear, except rubber, n.e.c. -----	E1	12	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3161	Luggage -----	E1	36	12	1.1	9.0	1.0	1.8	5.8	19.0	19.7	37.7	(D)	CC	(D)
317	Handbags and other personal leather goods -----	E2	87	21	2.2	15.6	1.9	3.2	12.1	26.9	23.0	50.3	(D)	CC	(D)
3171	Women's handbags and purses -----	E1	53	17	1.7	12.2	1.5	2.5	9.7	21.6	17.3	38.7	(D)	CC	(D)
3172	Personal leather goods -----	E3	34	4	0.5	3.5	0.4	0.7	2.4	5.3	5.7	11.7	(D)	AA	(D)
3199	Leather goods, n.e.c. -----	E1	75	13	1.2	9.6	1.0	1.8	6.9	20.1	22.1	41.4	(D)	CC	(D)
32	Stone, clay, and glass products -----	-	1 750	513	53.0	734.4	41.4	83.5	530.2	1 827.7	1 631.0	3 458.3	185.5	50.3	1 126.7
3211	Flat glass -----	-	8	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
322	Glass and glassware, pressed or blown -----	-	68	23	10.7	149.3	9.6	17.4	125.7	318.0	217.3	547.0	38.6	FF	(D)
3221	Glass containers -----	-	16	16	9.6	135.5	8.6	15.4	114.5	281.4	199.1	491.2	36.7	FF	(D)
3229	Pressed and blown glass, n.e.c. -----	E2	52	7	1.1	13.8	1.0	2.0	11.2	36.6	18.2	55.8	1.9	CC	(D)
3231	Products of purchased glass---	E1	189	45	3.6	43.8	2.7	5.4	28.7	93.8	91.3	184.4	6.5	EE	(D)
3241	Cement, hydraulic -----	-	17	13	3.2	62.1	2.6	5.1	48.8	265.6	169.0	436.1	22.2	3.7	130.4
325	Structural clay products -----	-	57	37	2.7	32.3	2.3	4.6	25.2	66.0	46.1	109.9	(D)	2.8	48.9
3251	Brick and structural clay tile -	-	18	11	0.8	10.5	0.7	1.4	8.0	22.3	11.9	34.3	(D)	0.7	11.2
3253	Ceramic wall and floor tile---	-	14	8	0.6	6.2	0.5	1.1	4.8	8.6	9.2	17.0	(D)	CC	(D)
3255	Clay refractories -----	-	10	7	0.3	4.0	0.2	0.4	2.2	7.8	7.8	15.3	(D)	AA	(D)
3259	Structural clay products, n.e.c. -----	-	15	11	1.0	11.6	0.9	1.7	10.2	27.3	17.1	43.3	0.6	EE	(D)
326	Pottery and related products---	E1	222	58	6.1	53.9	4.8	9.0	37.8	95.1	42.2	135.1	5.5	5.8	71.7
3263	Fine earthenware food utensils -----	-	4	4	1.5	12.7	0.7	1.4	5.9	20.5	6.2	25.3	0.5	EE	(D)
3264	Porcelain electrical supplies -	-	13	6	0.4	4.2	0.3	0.6	3.0	7.1	3.4	10.4	(D)	AA	(D)
3269	Pottery products, n.e.c. -----	E2	189	42	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.4	21.5
327	Concrete, gypsum, and plaster products -----	E1	853	254	15.4	237.3	10.7	24.3	151.8	573.0	727.1	1 298.2	58.0	15.4	362.6
3271	Concrete block and brick -----	-	64	23	1.1	17.2	0.7	1.4	10.1	41.0	37.2	77.6	2.5	1.4	28.5
3272	Concrete products, n.e.c. ----	E1	332	87	5.7	75.7	4.2	8.6	50.4	170.0	139.7	307.9	15.1	FF	(D)
3273	Ready-mixed concrete-----	E1	428	133	7.3	124.0	4.7	12.0	75.1	288.8	449.3	737.3	38.0	7.4	171.8
3274	Lime -----	-	6	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	5.2
3275	Gypsum products-----	-	23	10	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3281	Cut stone and stone products -	E1	57	9	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
34	Fabricated metal products—Con.														
345	Screw machine products, bolts, etc.-----	-	273	95	10.5	143.9	8.1	17.1	98.6	285.9	156.3	430.8	15.1	9.2	173.6
3451	Screw machine products-----	E1	174	43	2.8	34.7	2.3	4.7	24.5	62.4	39.0	100.8	3.6	3.0	52.8
3452	Bolts, nuts, rivets, and washers-----	-	99	52	7.7	109.2	5.8	12.4	74.1	223.4	117.3	330.0	11.5	6.2	120.7
346	Metal forgings and stampings-----	-	438	173	14.0	184.5	11.1	22.6	127.5	393.9	352.5	735.8	29.4	9.4	172.6
3462	Iron and steel forgings-----	-	33	16	1.5	25.8	1.0	2.2	16.4	62.5	71.2	129.8	8.3	EE	(D)
3463	Nonferrous forgings-----	-	15	10	1.1	17.2	0.8	1.7	11.9	45.1	52.7	95.2	(D)	CC	(D)
3465	Automotive stampings-----	-	23	15	1.5	20.3	1.3	2.5	16.0	49.6	33.6	81.6	2.1	0.5	8.6
3466	Crowns and closures-----	-	8	5	0.7	9.3	0.6	1.1	7.2	25.3	25.0	50.6	1.6	0.5	14.0
3469	Metal stampings, n.e.c.-----	E1	359	126	9.3	111.9	7.4	15.0	76.0	211.5	170.0	378.6	12.9	6.4	102.0
347	Metal services, n.e.c.-----	E1	829	202	13.7	145.6	11.4	22.8	100.0	273.0	148.8	421.8	13.2	11.8	143.2
3471	Plating and polishing-----	E1	566	145	10.2	105.5	8.5	17.0	73.0	197.6	95.9	293.0	9.9	FF	(D)
3479	Metal coating and allied services-----	E1	263	57	3.6	40.1	2.9	5.8	27.0	75.4	53.0	128.8	3.3	FF	(D)
348	Ordinance and accessories, n.e.c.-----	-	54	24	6.4	100.6	3.8	7.4	47.0	185.3	130.2	306.9	7.4	FF	(D)
3482	Small arms ammunition-----	-	12	4	0.8	11.3	0.4	0.7	3.8	26.3	22.9	46.7	(D)	(NA)	(NA)
3483	Ammunition, except for small arms, n.e.c.-----	-	12	8	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3484	Small arms-----	E3	12	2	0.2	1.8	0.1	0.2	1.2	4.0	1.7	5.7	0.1	BB	(D)
3489	Ordinance and accessories, n.e.c.-----	-	18	10	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
349	Miscellaneous fabricated metal products-----	-	836	244	21.5	282.1	15.3	30.1	173.1	641.4	478.5	1 088.4	28.5	17.4	329.7
3493	Steel springs, except wire-----	-	20	8	0.6	7.3	0.4	0.7	4.5	15.8	15.9	30.9	(D)	0.3	3.7
3494	Valves and pipe fittings-----	-	117	57	8.0	120.2	4.9	10.0	64.9	277.1	148.2	411.9	10.4	6.2	132.6
3495	Wire springs-----	-	37	25	1.5	17.7	1.2	2.3	12.4	35.2	28.8	63.7	1.3	1.8	25.9
3496	Miscellaneous fabricated wire products-----	-	151	43	2.7	30.2	2.1	4.3	19.8	73.4	67.8	139.1	3.4	2.4	41.0
3497	Metal foil and leaf-----	-	11	5	0.4	5.0	0.3	0.5	3.2	17.7	20.0	37.3	(D)	AA	(D)
3498	Fabricated pipe and fittings-----	E1	64	28	2.1	28.4	1.5	2.9	19.4	67.1	67.4	123.3	5.1	EE	(D)
3499	Fabricated metal products, n.e.c.-----	E1	436	78	6.2	73.3	5.0	9.4	49.1	155.1	130.4	282.1	6.7	FF	(D)
35	Machinery, except electrical-----	-	6 711	1 278	174.3	2 592.9	104.2	207.5	1 286.9	5 630.7	4 349.1	9 811.6	420.4	135.0	2 688.0
351	Engines and turbines-----	-	51	16	4.3	79.3	2.1	4.1	27.4	184.1	152.9	330.8	8.9	FF	(D)
3511	Turbines and turbine generator sets-----	-	8	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3519	Internal combustion engines, n.e.c.-----	-	43	15	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
352	Farm and garden machinery-----	E1	222	52	4.8	55.4	3.7	6.7	34.7	126.6	133.6	256.3	5.9	2.7	54.1
3523	Farm machinery and equipment-----	E2	209	45	3.7	47.6	2.7	5.1	29.4	105.5	101.8	205.6	(D)	EE	(D)
3524	Lawn and garden equipment-----	-	13	7	1.1	7.8	0.9	1.6	5.3	21.2	31.9	50.6	(D)	BB	(D)
353	Construction and related machinery-----	-	317	130	18.3	279.3	12.0	23.2	165.5	691.6	486.7	1 147.4	57.8	14.7	361.6
3531	Construction machinery-----	-	90	33	5.6	87.1	3.9	6.5	52.9	159.6	163.8	324.2	10.1	4.3	105.3
3532	Mining machinery-----	E5	17	7	0.6	9.8	0.3	0.7	4.5	24.1	19.0	42.3	(D)	BB	(D)
3533	Oil field machinery-----	-	47	31	6.6	108.6	4.1	9.1	65.0	377.1	150.0	497.2	41.1	FF	(D)
3534	Elevators and moving stairways-----	-	19	6	0.9	11.4	0.7	1.3	6.9	9.2	32.7	44.4	0.3	1.1	19.4
3535	Conveyors and conveying equipment-----	E1	60	20	1.7	25.7	1.2	2.2	15.7	49.3	42.6	91.0	1.7	1.8	41.8
3536	Hoists, cranes, and monorails-----	E3	29	12	0.9	12.5	0.5	1.0	6.6	27.6	24.0	49.7	1.3	EE	(D)
3537	Industrial trucks and tractors-----	E1	55	21	2.0	24.2	1.3	2.4	13.9	44.8	54.7	98.7	1.8	EE	(D)
354	Metalworking machinery-----	E1	982	158	13.5	192.8	10.1	20.3	127.6	392.9	241.8	627.3	18.7	10.9	196.1
3541	Machine tools, metal cutting types-----	E2	95	16	1.5	21.7	1.0	2.0	13.2	59.9	29.4	88.5	2.6	1.5	24.4
3542	Machine tools, metal forming types-----	-	47	16	1.1	18.1	0.7	1.4	9.9	36.7	25.9	62.4	0.6	EE	(D)
3544	Special dies, tools, jigs, and fixtures-----	E1	616	78	6.4	96.6	5.1	10.5	68.9	161.2	69.0	228.9	10.5	5.7	103.9
3545	Machine tool accessories-----	E1	147	31	2.5	32.1	1.9	3.7	20.9	60.3	31.5	89.9	3.8	EE	(D)
3546	Power driven hand tools-----	-	14	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3547	Rolling mill machinery-----	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3549	Metalworking machinery, n.e.c.-----	E1	61	9	0.9	10.0	0.6	1.1	5.4	19.1	15.4	33.6	0.7	0.5	10.1
355	Special industry machinery-----	-	424	132	10.9	162.4	6.8	13.5	89.6	339.9	219.8	559.2	15.5	FF	(D)
3551	Food products machinery-----	-	125	51	4.6	74.2	2.8	5.7	41.4	147.6	93.8	242.9	6.1	FF	(D)
3553	Woodworking machinery-----	E1	32	11	0.5	6.4	0.4	0.7	4.0	14.9	8.8	23.5	0.4	EE	(D)
3554	Paper industries machinery-----	-	5	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3555	Printing trades machinery-----	-	46	12	1.2	17.8	0.7	1.2	7.2	32.0	15.9	47.0	2.8	EE	(D)
3559	Special industry machinery, n.e.c.-----	E1	193	54	4.3	59.6	2.7	5.5	34.4	137.2	96.9	232.8	5.7	FF	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]															
SIC code	Industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
35	Machinery, except electrical—Con.														
356	General industrial machinery ---	-	587	181	21.3	312.1	12.9	26.2	166.0	662.9	544.8	1 172.8	33.9	16.4	290.9
3561	Pumps and pumping equipment ---	-	89	42	8.1	122.2	4.5	9.2	63.6	301.1	277.1	540.5	17.9	FF	(D)
3562	Ball and roller bearings ---	E1	7	2	0.2	2.6	0.1	0.3	1.5	6.4	2.7	9.1	0.3	0.4	7.9
3563	Air and gas compressors ---	-	18	7	0.6	10.7	0.4	0.9	6.1	14.9	15.1	31.9	0.4	BB	(D)
3564	Blowers and fans ---	-	55	25	2.5	31.7	1.8	3.5	19.6	65.1	54.5	119.8	2.4	EE	(D)
3565	Industrial patterns ---	E3	95	4	0.5	8.5	0.5	0.9	6.8	14.6	4.0	18.6	1.0	BB	(D)
3566	Speed changers, drives, and gears ---	E1	30	9	0.9	14.7	0.6	1.4	9.7	31.3	20.3	53.3	2.6	CC	(D)
3567	Industrial furnaces and ovens ---	E1	49	10	0.9	11.5	0.6	1.1	5.5	23.7	16.3	39.4	0.4	1.4	29.5
3568	Power transmission equipment, n.e.c. ---	-	21	14	1.5	19.7	1.0	2.2	12.0	44.7	26.1	67.5	1.7	CC	(D)
3569	General industrial machinery, n.e.c. ---	-	223	68	6.2	90.4	3.4	6.7	41.2	161.1	128.7	292.7	7.2	3.5	63.4
357	Office and computing machines ---	-	382	184	63.4	1 009.9	28.0	56.2	337.8	2 303.6	1 934.7	4 172.5	218.7	43.2	932.6
3573	Electronic computing equipment ---	-	314	154	58.5	950.9	25.0	50.6	309.7	2 160.1	1 827.8	3 924.6	211.3	41.0	888.3
3574	Calculating and accounting machines ---	-	16	7	1.6	19.1	1.0	1.5	8.1	33.6	35.8	71.2	1.4	EE	(D)
3576	Scales and balances, except laboratory ---	-	22	9	0.7	10.3	0.5	1.0	5.6	25.9	11.5	34.1	1.6	CC	(D)
3579	Office machines, n.e.c. and typewriters ---	-	30	14	2.6	29.6	1.6	3.0	14.3	83.9	59.7	142.5	4.4	CC	(D)
358	Refrigeration and service machinery ---	E1	284	82	9.4	122.3	6.3	12.4	75.4	240.3	308.0	539.1	10.9	8.9	159.6
3581	Automatic merchandising machines ---	-	16	4	0.7	8.4	0.6	1.2	6.1	11.5	16.4	26.1	(D)	CC	(D)
3582	Commercial laundry equipment ---	-	9	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3585	Refrigeration and heating equipment ---	E1	89	32	4.3	58.2	3.2	6.2	38.7	108.5	176.7	283.9	5.7	5.5	98.0
3586	Measuring and dispensing pumps ---	E2	11	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3589	Service industry machinery, n.e.c. ---	-	159	40	4.0	49.4	2.2	4.5	25.8	106.1	102.2	202.5	3.6	EE	(D)
359	Miscellaneous machinery, except electrical ---	E2	3 462	343	28.4	379.3	22.4	44.8	263.0	688.9	326.6	1 006.2	50.1	22.7	386.4
3592	Carburetors, pistons, rings, and valves ---	E1	35	16	1.2	15.4	1.1	2.1	11.8	25.6	18.9	44.3	1.5	CC	(D)
3599	Machinery, except electrical, n.e.c. ---	E2	3 427	327	27.1	364.0	21.4	42.8	251.2	663.2	307.8	961.9	48.6	FF	(D)
36	Electric and electronic equipment -	-	3 047	1 131	228.8	3 263.7	138.9	273.3	1 539.4	6 807.7	4 211.9	10 805.3	414.7	176.9	3 311.1
361	Electric distributing equipment -	-	125	51	6.3	77.6	4.6	9.3	47.7	189.0	141.8	322.9	4.5	5.9	104.0
3612	Transformers ---	-	46	15	1.6	17.3	1.3	2.5	11.6	50.4	44.6	92.0	1.3	EE	(D)
3613	Switchgear and switchboard apparatus ---	-	79	36	4.8	60.2	3.4	6.8	36.1	138.7	97.2	230.9	3.2	FF	(D)
362	Electrical industrial apparatus -	E1	214	89	10.7	140.6	7.1	14.3	76.5	297.6	227.5	512.1	14.9	FF	(D)
3621	Motors and generators ---	E1	53	31	4.5	60.3	3.0	6.2	34.6	137.0	109.6	240.8	9.3	3.1	50.5
3622	Industrial controls ---	E1	92	26	2.7	34.8	1.7	3.4	17.8	69.0	45.4	113.3	1.5	2.1	38.8
3623	Welding apparatus, electric ---	-	26	10	1.1	17.0	0.7	1.3	8.4	33.3	32.8	64.1	0.9	CC	(D)
3624	Carbon and graphite products ---	E1	10	5	0.2	3.1	0.2	0.4	2.0	9.3	4.9	13.9	1.6	(NA)	(NA)
3629	Electrical industrial apparatus, n.e.c. ---	-	33	17	2.2	25.5	1.5	2.9	13.7	49.0	34.9	79.9	1.7	EE	(D)
363	Household appliances ---	-	62	23	4.4	53.2	3.6	7.3	39.8	147.3	176.9	325.8	4.3	6.1	124.5
3631	Household cooking equipment ---	-	10	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3634	Electric housewares and fans ---	-	27	12	1.6	19.4	1.4	2.5	14.7	48.6	30.9	80.3	1.1	EE	(D)
3639	Household appliances, n.e.c. ---	-	13	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
364	Electric lighting and wiring equipment ---	E1	347	134	12.2	130.7	9.2	17.5	80.7	305.4	259.2	559.6	10.1	13.5	242.0
3641	Electric lamps ---	E3	19	2	0.4	3.7	0.3	0.5	2.4	9.6	4.1	13.8	0.3	BB	(D)
3643	Current-carrying wiring devices ---	E1	64	18	1.7	19.1	1.3	2.6	11.6	42.6	23.1	63.9	4.3	FF	(D)
3644	Noncurrent-carrying wiring devices ---	E1	25	13	1.5	18.1	1.1	2.3	12.6	55.3	53.3	108.9	1.0	EE	(D)
3645	Residential lighting fixtures ---	E1	145	52	4.4	40.7	3.6	6.6	25.9	94.0	85.0	178.8	2.0	3.9	62.4
3646	Commercial lighting fixtures ---	-	40	21	2.1	24.7	1.5	2.8	14.6	50.9	49.0	97.6	1.0	FF	(D)
3647	Vehicular lighting equipment ---	-	13	4	0.2	1.8	0.2	0.3	1.1	4.9	3.7	8.8	0.1	AA	(D)
3648	Lighting equipment, n.e.c. ---	-	41	24	1.9	22.6	1.3	2.4	12.5	48.1	41.0	87.8	1.4	EE	(D)
365	Radio and TV receiving equipment ---	-	346	71	12.2	129.5	8.5	16.6	78.4	384.7	427.5	811.6	14.5	FF	(D)
3651	Radio and TV receiving sets ---	-	131	33	7.1	70.2	5.1	9.3	40.6	181.1	303.8	487.3	6.6	FF	(D)
3652	Phonograph records and prerecorded tape ---	-	215	38	5.1	59.3	3.5	7.4	37.8	203.6	123.7	324.4	7.9	4.4	81.0

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
36	Electric and electronic equipment —Con.														
366	Communication equipment ----	-	542	277	89.5	1 499.8	43.9	84.6	594.8	2 847.6	1 379.2	4 087.6	128.8	75.7	1 537.2
3661	Telephone and telegraph apparatus -----	E1	58	38	9.1	112.4	5.1	9.7	48.8	266.7	157.1	416.2	16.2	FF	(D)
3662	Radio and TV communication equipment --	-	484	239	80.3	1 387.3	38.8	74.9	546.0	2 580.9	1 222.1	3 671.4	112.6	FF	(D)
367	Electronic components and accessories -----	-	1 176	412	85.2	1 124.0	55.8	111.8	554.4	2 380.1	1 367.9	3 714.7	219.0	53.8	915.8
3671	Electron tubes, all types ----	-	32	13	10.4	174.1	7.2	14.7	102.9	274.3	128.3	397.2	(D)	(NA)	(NA)
3674	Semiconductors and related devices -----	-	180	80	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3675	Electronic capacitors -----	-	27	21	3.7	33.1	3.1	5.6	21.4	62.0	23.4	84.4	3.7	FF	(D)
3676	Electronic resistors -----	-	17	13	3.9	41.2	2.7	6.3	19.1	70.6	37.8	105.9	4.8	FF	(D)
3677	Electronic coils and transformers -----	E2	53	29	1.9	17.2	1.5	2.7	10.8	32.3	24.8	59.1	1.1	EE	(D)
3678	Electronic connectors -----	-	33	23	6.4	78.8	4.5	8.9	43.6	159.7	66.9	221.9	18.0	FF	(D)
3679	Electronic components, n.e.c. -----	E1	834	233	25.5	311.9	18.9	37.1	179.4	604.2	402.5	990.7	45.5	15.2	258.7
369	Miscellaneous electrical equipment and supplies -----	-	235	74	8.2	108.5	6.1	12.0	67.0	255.9	232.0	470.9	18.7	6.1	114.8
3691	Storage batteries -----	-	37	18	2.7	40.3	2.3	4.7	31.0	103.3	127.8	221.1	11.1	2.3	53.4
3693	X-ray, electromedical, and electrotherapeutic apparatus -	-	46	21	2.8	39.5	1.6	3.1	17.1	90.5	59.5	143.9	5.7	CC	(D)
3694	Engine electrical equipment -	E1	44	11	1.3	15.2	1.0	2.0	10.2	34.5	21.8	55.5	1.0	1.3	19.4
3699	Electrical equipment and supplies, n.e.c. -----	E4	100	24	1.4	13.3	1.2	2.1	8.6	27.0	22.5	49.4	0.8	EE	(D)
37	Transportation equipment -----	-	1 906	525	253.5	4 544.0	144.9	282.7	2 127.9	9 202.4	9 678.9	18 892.0	312.5	268.3	6 697.2
371	Motor vehicles and equipment -	-	718	235	48.6	735.5	39.8	80.0	563.6	1 977.6	5 407.5	7 352.2	84.6	39.4	1 121.1
3711	Motor vehicles and car bodies -----	-	54	16	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3713	Truck and bus bodies -----	E2	106	40	2.8	31.1	2.3	4.4	22.2	55.6	72.8	125.9	3.3	(NA)	(NA)
3714	Motor vehicle parts and accessories -----	E1	486	131	14.6	161.5	11.4	21.8	111.8	395.1	484.6	870.2	(D)	10.5	197.6
3715	Truck trailers -----	-	37	14	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.0	31.2
3716	Motor homes produced on purchased chassis -----	-	35	34	5.8	56.6	4.9	9.4	39.9	138.3	295.2	435.6	6.3	(NA)	(NA)
372	Aircraft and parts -----	-	374	150	93.9	1 729.4	50.7	98.5	769.8	3 511.2	2 054.5	5 638.4	96.9	FF	(D)
3721	Aircraft -----	-	53	18	59.6	1 173.3	28.3	54.2	443.1	2 525.6	1 520.2	4 107.0	53.8	FF	(D)
3724	Aircraft engines and engine parts -----	-	48	25	3.5	53.5	2.2	4.2	30.4	117.6	88.2	207.1	3.7	FF	(D)
3728	Aircraft equipment, n.e.c. ----	-	273	107	30.8	502.6	20.3	40.0	296.2	868.0	446.1	1 324.4	39.4	38.7	835.3
373	Ship and boat building and repairing -----	-	371	102	21.6	310.3	18.2	35.3	234.4	515.6	422.3	933.8	12.0	14.1	198.2
3731	Ship building and repairing --	-	70	36	15.8	249.9	13.5	26.3	190.3	390.9	279.8	670.7	6.7	FF	(D)
3732	Boat building and repairing --	E1	301	66	5.9	60.4	4.8	9.1	44.1	124.7	142.6	263.1	(D)	FF	(D)
3743	Railroad equipment -----	-	8	2	0.4	5.6	0.3	0.6	3.4	9.4	11.4	20.8	0.5	AA	(D)
3751	Motorcycles, bicycles, and parts -----	E3	164	25	2.2	21.9	1.9	3.3	15.2	41.5	55.5	96.6	1.5	EE	(D)
376	Guided missiles, space vehicles, parts -----	-	42	34	76.7	1 620.5	25.8	49.6	453.4	2 884.6	1 361.4	4 251.9	101.9	FF	(D)
3761	Guided missiles and space vehicles -----	-	19	18	68.3	1 453.3	23.0	43.7	408.4	2 574.5	1 205.0	3 790.2	92.0	FF	(D)
3764	Space propulsion units and parts -----	-	9	9	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3769	Space vehicle equipment, n.e.c. -----	-	14	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
379	Miscellaneous transportation equipment -----	-	229	78	10.0	120.7	8.1	15.5	88.1	262.4	366.3	598.4	15.2	11.0	166.2
3792	Travel trailers and campers --	E1	166	58	5.5	54.1	4.5	8.5	37.1	100.4	191.3	294.4	8.3	FF	(D)
3795	Tanks and tank components -	-	5	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3799	Transportation equipment, n.e.c. -----	E1	58	17	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
38	Instruments and related products -----	-	1 458	430	69.0	945.7	40.2	79.5	433.1	1 939.3	986.0	2 866.5	120.9	48.1	927.3
3811	Engineering and scientific instruments -----	E1	150	49	5.7	82.2	3.4	7.3	38.9	183.5	88.9	266.4	6.3	4.5	100.6
382	Measuring and controlling devices -----	-	430	157	34.8	506.8	18.6	36.9	215.0	929.2	451.9	1 340.2	66.4	23.8	435.9
3822	Environmental controls -----	-	34	12	5.2	60.9	4.2	7.9	42.8	113.7	56.6	161.7	3.2	FF	(D)
3823	Process control instruments -	E1	81	39	5.5	80.4	2.8	5.9	32.0	194.4	96.3	285.9	9.5	EE	(D)
3824	Fluid meters and counting devices -----	-	15	9	2.0	31.7	1.4	2.6	17.7	68.3	27.1	92.3	3.1	BB	(D)
3825	Instruments to measure electricity -----	-	164	71	13.0	181.5	7.9	15.9	93.3	433.8	197.9	617.6	28.3	FF	(D)
3829	Measuring and controlling devices, n.e.c. -----	-	136	26	9.1	152.3	2.3	4.7	29.3	118.9	74.0	182.7	22.3	5.0	46.9
3832	Optical instruments and lenses -----	-	118	51	5.7	84.5	3.1	6.1	39.5	192.6	90.6	278.1	7.8	5.3	92.4

See footnotes at end of table.

**Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.**

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]															
SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
38	Instruments and related products— Con.														
384	Medical instruments and supplies -----	E1	449	107	15.5	182.8	10.0	20.3	89.7	405.5	216.0	610.8	28.5	9.6	183.0
3841	Surgical and medical instruments -----	E1	127	39	5.8	69.2	3.7	7.4	31.3	158.8	80.6	234.0	15.3	3.5	70.5
3842	Surgical appliances and supplies -----	E1	183	46	6.9	84.0	4.4	8.8	42.7	168.5	94.3	260.3	10.9	4.1	70.1
3843	Dental equipment and supplies -----	-	139	22	2.8	29.6	1.9	4.0	15.7	78.2	41.1	116.5	2.3	2.0	42.4
3851	Ophthalmic goods -----	E1	88	18	2.1	20.0	1.5	2.9	12.0	46.7	22.0	67.8	3.5	0.6	8.1
3861	Photographic equipment and supplies -----	E2	171	41	4.5	62.9	2.9	5.2	34.2	163.3	105.7	267.1	8.3	FF	(D)
3873	Watches, clocks, and watchcases -----	E2	52	7	0.7	6.5	0.5	0.9	3.9	18.4	11.0	36.2	0.2	(NA)	(NA)
39	Miscellaneous manufacturing industries -----	E1	2 262	392	40.0	408.8	29.8	54.9	235.1	1 070.3	844.9	1 888.3	42.8	34.7	549.3
391	Jewelry, silverware, and plated ware -----	E1	312	34	3.0	30.0	2.3	4.2	19.2	79.8	71.1	147.9	2.2	1.6	30.7
3911	Jewelry, precious metal -----	E1	254	25	2.4	24.8	1.8	3.4	15.8	67.0	58.1	122.6	(D)	1.3	25.8
3914	Silverware and plated ware -----	E1	22	7	0.4	3.6	0.3	0.6	2.5	9.5	6.5	15.4	(D)	(NA)	(NA)
3915	Jewelers' materials and lapidary work -----	E2	36	2	0.2	1.6	0.1	0.2	0.9	3.4	6.5	9.8	0.1	AA	(D)
3931	Musical instruments -----	-	59	13	2.1	24.6	1.6	3.3	15.0	61.0	41.1	99.8	0.9	2.7	42.2
394	Toys and sporting goods -----	-	527	125	17.0	170.2	12.1	22.1	88.8	518.7	429.9	934.2	21.1	13.3	229.4
3942	Dolls -----	-	26	10	0.9	6.0	0.8	1.3	4.3	13.7	11.7	25.3	0.7	BB	(D)
3944	Games, toys, and children's vehicles -----	-	131	28	7.9	88.0	4.8	8.4	36.2	304.5	253.0	550.3	11.4	FF	(D)
3949	Sporting and athletic goods, n.e.c. -----	E1	370	87	8.3	76.3	6.5	12.5	48.3	200.5	165.2	358.6	9.1	6.1	95.3
395	Pens, pencils, office and art supplies -----	-	133	34	3.5	37.9	2.7	5.3	24.3	112.3	94.9	204.0	8.4	3.2	64.6
3951	Pens and mechanical pencils -----	-	17	9	2.0	21.4	1.6	3.2	14.5	72.9	57.4	127.7	7.1	EE	(D)
3952	Lead pencils and art goods -----	E2	23	4	0.3	2.1	0.2	0.3	1.2	4.4	4.9	9.3	0.2	AA	(D)
3953	Marking devices -----	E1	75	14	0.7	8.1	0.5	0.9	4.2	17.4	9.3	26.4	0.4	CC	(D)
3955	Carbon paper and inked ribbons -----	-	18	7	0.5	6.3	0.4	0.9	4.3	17.6	23.3	40.6	0.6	CC	(D)
396	Costume jewelry and notions -----	E1	157	36	2.4	18.3	1.9	3.5	11.5	43.7	27.9	70.7	2.1	1.8	21.0
3961	Costume jewelry -----	E1	86	18	1.4	11.0	1.1	2.1	7.0	24.7	12.3	36.9	1.5	0.8	10.9
3962	Artificial flowers -----	E1	38	9	0.5	3.9	0.4	0.8	2.5	11.2	7.3	18.4	0.4	BB	(D)
3963	Buttons -----	E1	16	3	0.2	1.2	0.1	0.2	0.9	2.3	1.9	4.3	0.1	(NA)	(NA)
3964	Needles, pins, and fasteners -----	E2	17	6	0.3	2.2	0.2	0.4	1.2	5.6	6.4	11.1	0.2	0.5	4.1
399	Miscellaneous manufactures -----	E2	1 074	150	12.0	127.8	9.2	16.5	76.3	254.8	180.0	431.7	8.1	12.2	161.3
3991	Brooms and brushes -----	-	42	11	0.8	7.9	0.6	1.0	4.2	14.5	14.6	29.1	0.9	CC	(D)
3993	Signs and advertising displays -----	E1	377	54	4.6	57.7	3.3	6.0	32.1	109.2	60.5	168.5	2.9	4.8	62.3
3995	Burial caskets -----	E1	35	9	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.9	10.6
3999	Manufacturing industries, n.e.c. -----	E4	618	76	6.0	56.4	4.9	8.5	36.0	121.6	93.3	213.1	4.1	5.8	78.2
-	Administrative and auxiliary -----	-	958	429	68.6	1 423.2	-	-	-	-	-	-	-	(NA)	(NA)

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Statistics for some industry groups and industries are withheld to avoid disclosing figures for individual companies. However, for such industry groups and industries with 150 employees or more, number of establishments is shown and employment size range is indicated by one of the following symbols: AA—150 to 249 employees; BB—250 to 499 employees; CC—500 to 999 employees; EE—1,000 to 2,499 employees; FF—2,500 employees or more. Statistics for industry groups shown include data for all component industries, regardless of whether data are shown for individual industries in the group.
³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

MSA's, see appendix A. For explanation of terms, see appendix B.															
SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	San Francisco-Oakland-San Jose SCSA -----	-	8 726	2 379	383.6	6 123.9	214.6	419.3	2 800.7	13 362.3	17 301.3	30 395.0	915.0	322.5	6 879.7
20	Food and kindred products --	-	628	252	37.4	534.1	27.1	51.6	349.0	1 679.8	3 330.8	4 993.4	102.3	39.3	1 166.3
201	Meat products -----	E1	60	28	2.0	31.5	1.5	3.0	20.6	67.9	268.7	336.1	(D)	(NA)	(NA)
2337	Women's and misses' suits and coats -----	E4	27	10	1.3	10.5	1.2	2.1	7.9	18.2	16.3	35.0	(D)	(NA)	(NA)
2431	Millwork -----	E4	64	11	0.8	10.5	0.7	1.3	7.3	21.0	27.1	47.1	(D)	(NA)	(NA)
251	Household furniture -----	E1	129	32	2.4	27.7	2.0	3.8	19.7	52.9	48.2	100.0	(D)	(NA)	(NA)
2512	Upholstered household furniture -----	E1	24	14	0.9	10.2	0.8	1.3	7.3	16.6	12.7	28.9	(D)	(NA)	(NA)
26	Paper and allied products ---	-	134	81	9.0	136.5	7.0	13.9	100.0	316.9	469.8	782.5	39.2	(NA)	(NA)
2653	Corrugated and solid fiber boxes -----	-	27	23	2.2	38.1	1.7	3.3	26.4	68.5	146.6	214.4	9.5	(NA)	(NA)
27	Printing and publishing -----	-	1 437	222	23.9	340.6	13.4	24.2	179.5	747.3	413.5	1 151.4	30.1	22.3	473.4
2711	Newspapers -----	-	135	46	8.7	122.2	3.9	6.8	56.9	294.4	101.5	395.5	(D)	(NA)	(NA)
2741	Miscellaneous publishing -----	E1	59	14	0.9	10.9	0.4	0.6	3.1	30.2	10.2	40.1	0.8	(NA)	(NA)
2751	Commercial printing, letterpress -----	E2	413	26	2.5	29.9	2.0	3.6	20.8	60.2	47.9	108.4	2.9	(NA)	(NA)
2752	Commercial printing, lithographic -----	-	374	52	4.8	76.8	3.8	7.0	55.3	138.3	125.4	260.4	6.7	(NA)	(NA)
279	Printing trade services -----	E1	118	16	1.1	17.8	0.8	1.5	13.3	29.5	6.2	36.3	2.2	(NA)	(NA)
284	Soaps, cleaners, and toilet goods -----	-	70	15	1.4	21.4	0.9	1.8	12.8	140.4	147.6	286.4	3.3	(NA)	(NA)
2841	Soap and other detergents -----	-	25	9	0.9	13.8	0.6	1.2	8.9	109.7	100.3	208.4	2.4	(NA)	(NA)
2893	Printing ink -----	-	14	8	0.4	6.1	0.2	0.5	3.4	11.9	16.6	28.3	0.3	(NA)	(NA)
295	Paving and roofing materials -----	-	28	5	0.6	9.3	0.5	1.0	7.5	26.3	63.4	88.7	(D)	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	E1	251	77	8.3	116.0	5.5	10.6	61.8	206.1	208.5	403.6	(D)	(NA)	(NA)
32	Stone, clay, and glass products -----	-	319	96	10.4	155.8	8.4	18.9	116.4	385.4	358.6	745.4	31.6	9.2	217.9
3221	Glass containers -----	-	5	5	3.3	48.2	3.0	5.4	41.7	85.8	65.2	156.8	10.9	(NA)	(NA)
327	Concrete, gypsum, and plaster products -----	E1	161	61	3.4	53.0	2.5	7.7	35.2	125.7	174.5	298.5	(D)	(NA)	(NA)
3273	Ready-mixed concrete --	-	72	27	1.4	22.8	0.9	4.5	14.2	48.5	93.2	141.6	5.6	(NA)	(NA)
3275	Gypsum products -----	-	8	4	0.3	6.4	0.3	0.6	4.9	21.7	34.2	56.0	(D)	(NA)	(NA)
3325	Steel foundries, n.e.c. --	-	3	3	0.5	7.5	0.4	0.9	6.1	17.4	8.6	26.1	(D)	(NA)	(NA)
3362	Brass, bronze, and copper foundries -----	-	10	4	0.3	3.6	0.2	0.5	2.7	5.5	5.8	11.3	0.3	(NA)	(NA)
34	Fabricated metal products ---	-	854	263	23.9	368.8	17.4	34.1	236.6	786.2	815.5	1 594.9	35.7	(NA)	(NA)
342	Cutlery, hand tools, and hardware -----	-	45	11	1.5	23.6	1.0	1.7	13.8	41.5	29.8	73.1	2.4	(NA)	(NA)
3429	Hardware, n.e.c. -----	-	27	7	1.3	20.7	0.8	1.5	12.1	30.9	26.4	59.2	1.7	(NA)	(NA)
345	Screw machine products, bolts, etc. -----	E3	33	6	0.4	5.0	0.3	0.6	3.6	9.6	5.3	14.9	(D)	(NA)	(NA)
347	Metal services, n.e.c. -----	E1	156	28	2.2	26.8	1.7	3.4	16.8	52.8	42.0	94.3	3.0	(NA)	(NA)
349	Miscellaneous fabricated metal products -----	-	180	49	3.6	52.6	2.7	5.2	34.8	122.9	97.5	216.1	(D)	(NA)	(NA)
3494	Valves and pipe fittings --	-	28	16	1.5	24.8	1.0	2.1	16.2	57.6	31.8	86.1	1.5	(NA)	(NA)
357	Office and computing machines -----	-	138	72	33.0	580.5	13.0	26.6	187.2	1 366.9	1 201.9	2 533.9	163.4	(NA)	(NA)
3573	Electronic computing equipment -----	-	122	61	30.8	551.8	11.6	24.1	174.6	1 300.4	1 161.2	2 427.5	(D)	(NA)	(NA)
358	Refrigeration and service machinery -----	E1	61	15	1.1	16.1	0.6	1.3	8.1	36.8	33.4	68.8	(D)	(NA)	(NA)
367	Electronic components and accessories -----	-	348	132	41.6	610.3	24.0	48.5	261.1	1 382.2	726.9	2 097.8	146.2	(NA)	(NA)
369	Miscellaneous electrical equipment and supplies --	-	50	17	1.8	26.1	1.2	2.1	12.9	46.7	39.3	82.6	(D)	(NA)	(NA)
3693	X-ray, electromedical, and electrotherapeutic apparatus -----	-	16	11	1.4	22.1	0.9	1.5	10.0	37.7	30.5	64.9	(D)	(NA)	(NA)
3731	Ship building and repairing -----	-	23	13	4.0	75.5	3.5	6.8	61.6	121.9	58.4	180.3	1.7	(NA)	(NA)
38	Instruments and related products -----	-	406	123	22.9	355.2	10.6	21.4	126.1	607.7	305.2	901.0	46.9	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SMSA's, see appendix A. For explanation of terms, see appendix B]															
SIC code	SMSA and industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
38	San Francisco-Oakland-San Jose SCSA—Con.														
	Instruments and related products—Con.														
3832	Optical instruments and lenses -----	-	33	15	1.1	15.0	0.5	1.1	7.2	45.4	20.5	65.0	1.8	(NA)	(NA)
3841	Surgical and medical instruments -----	E2	30	11	0.8	10.2	0.5	0.9	4.9	21.6	11.0	32.6	0.6	(NA)	(NA)
3842	Surgical appliances and supplies -----	-	35	9	1.4	19.5	0.6	1.7	6.2	27.1	16.3	43.1	1.6	(NA)	(NA)
3861	Photographic equipment and supplies -----	E3	49	11	1.2	16.9	0.8	1.3	8.3	49.3	31.0	81.4	3.9	(NA)	(NA)
39	Miscellaneous manufacturing industries ---	E1	387	52	5.7	58.5	4.2	6.4	30.4	147.8	139.9	278.8	8.1	(NA)	(NA)
391	Jewelry, silverware, and plated ware -----	E3	51	3	0.3	3.2	0.2	0.3	1.7	6.7	5.1	11.9	(D)	(NA)	(NA)
3911	Jewelry, precious metal -----	E3	48	3	0.3	3.2	0.2	0.3	1.7	6.6	5.0	11.6	(D)	(NA)	(NA)
395	Pens, pencils, office and art supplies -----	E2	31	8	0.3	3.3	0.2	0.4	2.0	8.3	5.6	13.7	(D)	(NA)	(NA)
3993	Signs and advertising displays -----	E1	65	9	0.7	9.3	0.5	1.0	5.5	14.6	11.5	26.2	(D)	(NA)	(NA)
	Anaheim-Santa Ana-Garden Grove SMSA -----	-	4 703	1 225	177.5	2 479.2	113.0	222.6	1 258.6	5 280.9	4 342.8	9 537.3	312.9	131.0	2 734.4
20	Food and kindred products --	-	126	55	7.2	91.1	5.4	11.0	62.6	337.8	727.2	1 072.7	19.6	6.0	196.0
201	Meat products -----	E3	9	3	0.4	5.1	0.2	0.5	2.3	9.5	20.9	30.2	(D)	0.3	7.1
202	Dairy products -----	-	14	7	0.6	8.8	0.3	0.6	4.4	30.5	120.6	150.2	1.6	0.6	24.2
203	Preserved fruits and vegetables -----	-	29	18	2.7	32.8	2.2	4.7	24.7	136.7	227.3	363.6	3.8	2.1	46.0
2033	Canned fruits and vegetables -----	-	11	8	1.2	15.6	1.0	2.2	11.1	63.2	106.9	169.8	2.7	1.2	25.4
2038	Frozen specialties -----	E3	7	4	0.6	6.3	0.5	1.0	4.4	19.7	30.8	50.5	0.3	(NA)	(NA)
205	Bakery products -----	-	14	4	1.0	13.9	0.8	1.6	10.7	45.8	54.8	100.4	(D)	0.8	29.8
208	Beverages -----	-	22	7	0.8	10.3	0.4	0.9	5.6	47.1	82.2	129.5	0.9	0.7	29.6
2086	Bottled and canned soft drinks -----	-	9	5	0.7	8.6	0.3	0.7	4.6	41.1	71.9	113.1	(D)	0.6	28.3
209	Miscellaneous foods and kindred products -----	-	24	10	1.1	12.8	1.0	2.0	10.2	47.0	76.0	129.9	4.0	1.1	36.2
22	Textile mill products -----	-	44	21	1.9	20.5	1.4	2.8	12.3	56.4	84.7	140.0	2.2	1.0	19.4
227	Floor covering mills -----	-	18	8	0.9	12.1	0.6	1.2	6.4	37.2	58.7	93.0	(D)	(NA)	(NA)
229	Miscellaneous textile goods -----	-	10	6	0.3	2.8	0.2	0.4	1.6	7.4	10.8	19.6	(D)	0.3	7.5
23	Apparel and other textile products -----	E1	181	30	2.5	20.2	2.1	4.0	13.9	35.0	31.9	66.2	0.7	1.9	17.1
239	Miscellaneous fabricated textile products -----	E1	106	15	1.3	11.1	1.0	2.0	7.0	18.2	23.1	41.3	(D)	0.9	8.3
2391	Curtains and draperies -----	E2	46	7	0.5	4.5	0.4	0.8	2.7	7.0	6.2	12.9	(D)	0.3	2.6
2392	House furnishings, n.e.c. -----	-	17	3	0.3	3.0	0.3	0.6	2.1	5.0	8.8	13.8	(D)	0.4	3.5
243	Millwork, plywood, and structural members -----	E1	73	26	1.5	18.7	1.2	2.5	14.0	39.3	44.4	83.0	1.3	1.2	20.3
2431	Millwork -----	E1	29	13	0.7	9.5	0.6	1.3	6.8	20.0	28.2	47.3	0.8	0.6	12.0
2434	Wood kitchen cabinets -----	E1	37	10	0.5	6.3	0.4	0.9	5.0	11.7	8.8	20.4	0.3	(NA)	(NA)
244	Wood containers -----	E1	16	6	0.3	2.4	0.3	0.5	1.9	3.8	6.7	10.5	0.3	(NA)	(NA)
249	Miscellaneous wood products -----	E1	52	8	0.6	4.5	0.5	0.8	3.4	13.8	10.3	23.7	0.6	0.3	6.3
25	Furniture and fixtures -----	-	154	44	5.3	52.6	4.5	8.6	40.2	124.2	100.5	219.7	7.6	2.2	37.8
2511	Wood household furniture -----	E1	52	10	1.6	13.9	1.4	2.9	11.0	25.0	24.9	48.2	(D)	0.4	3.5
2512	Upholstered household furniture -----	E1	11	4	0.3	2.6	0.3	0.4	2.0	5.3	6.2	11.4	(D)	(NA)	(NA)
2521	Wood office furniture -----	-	8	5	0.3	2.4	0.2	0.4	1.7	4.4	3.1	7.4	(D)	(NA)	(NA)
254	Partitions and fixtures -----	E4	31	5	0.3	3.8	0.2	0.5	2.4	6.1	4.5	10.7	0.2	(NA)	(NA)
259	Miscellaneous furniture and fixtures -----	-	22	10	1.4	13.5	1.1	2.3	10.4	29.4	25.8	52.8	(D)	0.5	6.1
2591	Drapery hardware and blinds and shades -----	-	10	4	0.9	8.7	0.8	1.7	6.8	17.3	16.7	31.8	(D)	(NA)	(NA)
2599	Furniture and fixtures, n.e.c. -----	-	12	6	0.5	4.9	0.3	0.7	3.6	12.1	9.1	21.0	0.3	(NA)	(NA)
26	Paper and allied products ---	-	61	34	3.9	59.1	3.1	6.2	44.5	172.2	279.1	447.7	(D)	3.2	97.4
264	Miscellaneous converted paper products -----	-	31	11	1.6	22.4	1.3	2.6	18.4	86.4	125.3	209.8	(D)	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Anaheim-Santa Ana-Garden Grove SMSA—Con.														
26	Paper and allied products—Con.														
265	Paperboard containers and boxes-----	-	27	20	2.0	31.0	1.6	3.1	21.3	65.1	113.2	178.2	(D)	2.0	45.2
2651	Folding paperboard boxes-----	-	5	3	0.5	8.3	0.4	0.8	6.0	19.0	22.6	41.7	(D)	0.5	11.1
2653	Corrugated and solid fiber boxes-----	-	18	14	1.1	17.2	0.8	1.6	10.9	34.4	66.8	100.7	3.0	1.0	21.7
27	Printing and publishing-----	E1	549	80	8.3	97.0	4.9	8.8	55.9	204.0	171.6	373.7	14.3	5.9	114.5
2711	Newspapers-----	-	29	11	2.4	26.4	0.8	1.5	11.7	29.6	51.3	80.9	2.2	1.3	28.1
2721	Periodicals-----	E1	40	5	0.4	5.7	0.2	0.4	2.2	14.1	8.7	22.8	0.4	0.3	6.2
273	Books-----	E1	36	6	0.3	4.5	0.2	0.4	2.0	11.8	6.0	17.8	0.5	(NA)	(NA)
2741	Miscellaneous publishing-----	E2	24	6	0.9	7.4	0.3	0.5	2.1	22.6	4.9	27.4	0.8	(NA)	(NA)
275	Commercial printing-----	E2	360	38	3.0	37.5	2.4	4.4	26.4	74.8	57.7	133.3	6.9	1.8	32.1
2751	Commercial printing, letterpress-----	E4	196	13	1.0	11.2	0.8	1.5	7.7	21.1	17.2	38.2	1.1	0.9	16.9
2752	Commercial printing, lithographic-----	E1	156	24	2.0	25.6	1.5	2.9	18.1	52.1	39.9	92.9	5.8	0.8	14.8
2761	Manifold business forms-----	-	8	5	0.7	9.9	0.6	1.1	7.4	40.9	40.9	79.2	(D)	0.5	11.6
279	Printing trade services-----	E2	42	6	0.3	4.6	0.3	0.5	3.4	7.8	1.6	9.4	0.5	(NA)	(NA)
2791	Typesetting-----	E1	30	5	0.3	3.3	0.2	0.4	2.5	5.5	1.0	6.4	0.5	(NA)	(NA)
28	Chemicals and allied products-----	-	135	47	6.0	84.5	2.9	5.9	31.1	228.6	251.1	499.1	(D)	4.6	167.8
283	Drugs-----	-	28	14	3.4	49.0	1.6	3.4	16.3	104.8	60.3	187.3	16.3	2.2	49.7
2851	Paints and allied products-----	-	26	9	1.0	13.8	0.4	0.8	4.8	38.3	61.3	100.0	2.8	1.0	20.4
289	Miscellaneous chemical products-----	E1	28	7	0.5	5.9	0.3	0.5	3.0	18.3	29.2	47.6	1.7	0.4	16.8
2899	Chemical preparations, n.e.c.-----	-	15	4	0.3	3.5	0.2	0.3	1.9	11.5	19.8	31.6	(D)	(NA)	(NA)
30	Rubber and miscellaneous plastics products-----	-	295	111	11.2	114.9	8.9	17.4	75.5	268.2	266.8	531.8	16.9	6.3	92.2
3079	Miscellaneous plastics products-----	-	261	98	8.9	93.6	7.1	13.7	62.2	223.3	235.6	456.2	(D)	4.5	73.9
32	Stone, clay, and glass products-----	E1	160	37	2.9	40.5	2.2	4.5	27.0	91.7	104.2	198.0	10.9	2.8	50.1
3272	Concrete products, n.e.c.-----	-	24	4	0.4	5.2	0.3	0.6	3.1	11.1	8.0	19.0	(D)	0.5	9.7
3273	Ready-mixed concrete--	E1	26	10	0.6	9.9	0.4	0.7	6.6	27.5	45.4	72.0	3.7	(NA)	(NA)
33	Primary metal industries-----	E1	69	25	2.0	23.8	1.7	3.6	17.0	47.2	105.3	151.8	3.5	1.3	23.2
332	Iron and steel foundries-----	-	7	3	0.4	3.9	0.3	0.6	2.8	5.9	4.9	11.3	(D)	(NA)	(NA)
335	Nonferrous rolling and drawing-----	-	17	8	0.6	7.2	0.5	0.9	4.9	13.5	70.2	83.1	(D)	0.4	10.6
336	Nonferrous foundries-----	-	19	8	0.6	6.6	0.5	1.1	4.8	15.0	11.1	26.1	(D)	0.3	5.2
3361	Aluminum foundries-----	E1	10	5	0.4	4.7	0.4	0.8	3.5	8.8	6.0	14.8	0.5	(NA)	(NA)
34	Fabricated metal products-----	-	496	135	16.2	208.4	11.7	23.3	131.5	457.6	324.9	776.4	19.6	11.3	210.5
342	Cutlery, hand tools, and hardware-----	-	50	7	2.1	25.4	1.6	3.2	19.0	64.0	43.0	105.9	1.7	1.9	37.0
3429	Hardware, n.e.c.-----	-	36	6	1.9	23.0	1.5	2.9	17.5	58.0	39.7	96.6	1.6	(NA)	(NA)
343	Plumbing and heating, except electric-----	E2	19	5	0.7	7.1	0.5	1.0	4.6	21.4	16.7	37.9	0.7	(NA)	(NA)
344	Fabricated structural metal products-----	-	139	36	3.5	48.7	2.3	4.3	26.0	97.0	94.7	200.1	5.0	2.3	34.1
3441	Fabricated structural metal-----	-	16	6	0.5	7.0	0.4	0.7	4.9	16.0	14.6	28.7	0.9	(NA)	(NA)
3442	Metal doors, sash, and trim-----	-	17	5	0.6	8.0	0.4	0.9	4.4	16.1	15.7	31.0	(D)	0.6	8.6
3443	Fabricated plate work (boiler shops)-----	E1	22	7	1.1	17.7	0.5	1.0	7.3	33.8	23.5	67.0	0.8	0.7	5.6
3444	Sheet metal work-----	E1	53	15	1.0	11.9	0.7	1.3	7.5	23.6	30.8	55.8	2.0	0.5	10.8
345	Screw machine products, bolts, etc.-----	-	37	14	3.0	43.7	2.3	5.0	29.2	81.4	36.2	112.9	4.2	2.1	43.9
3451	Screw machine products-----	E1	21	3	0.4	6.0	0.3	0.7	4.0	10.3	5.6	15.6	0.2	0.3	6.5
3452	Bolts, nuts, rivets, and washers-----	-	16	11	2.6	37.7	2.0	4.3	25.2	71.2	30.6	97.3	4.0	1.8	37.4
346	Metal forgings and stampings-----	E1	63	22	1.7	19.0	1.4	2.8	13.7	38.4	34.4	70.9	1.4	1.0	16.2

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Anaheim-Santa Ana-Garden Grove SMSA—Con.														
34	Fabricated metal products— Con.														
346	Metal forgings and stampings—Con.														
3469	Metal stampings, n.e.c.---	E1	53	17	1.3	14.2	1.1	2.2	10.4	28.3	28.1	55.3	(D)	0.7	11.4
347	Metal services, n.e.c.----	E1	71	18	1.0	10.0	0.8	1.7	6.7	19.0	11.3	30.3	(D)	0.7	9.9
3471	Plating and polishing----	E2	43	14	0.7	6.7	0.6	1.2	4.6	13.5	6.9	20.4	(D)	0.5	6.9
3479	Metal coating and allied services-----	E1	28	4	0.3	3.3	0.2	0.4	2.1	5.5	4.4	10.0	0.2	(NA)	(NA)
349	Miscellaneous fabricated metal products-----	-	107	28	3.5	46.6	2.2	4.4	26.5	115.9	65.5	174.8	(D)	2.3	49.9
3494	Valves and pipe fittings -	-	21	9	2.2	30.7	1.1	2.4	15.9	81.6	37.9	113.8	2.4	1.7	38.9
3496	Miscellaneous fabricated wire products-----	-	15	5	0.3	4.1	0.3	0.6	2.6	12.2	6.6	18.3	(D)	(NA)	(NA)
3499	Fabricated metal products, n.e.c.-----	E2	59	10	0.7	8.8	0.6	1.2	6.3	16.5	14.4	30.4	0.7	0.3	4.8
35	Machinery, except electrical -	-	904	159	24.2	351.1	14.5	28.3	166.9	875.2	508.3	1 337.2	50.2	12.7	252.6
353	Construction and related machinery-----	-	25	9	2.8	50.1	1.9	4.1	29.5	170.3	50.9	204.7	(D)	0.7	22.8
356	General industrial machinery-----	-	77	23	2.3	30.3	1.4	2.8	14.9	75.5	54.1	126.1	(D)	1.7	28.9
3569	General industrial machinery, n.e.c.-----	E2	34	11	0.5	6.1	0.3	0.6	3.2	13.8	10.9	24.6	(D)	0.3	3.8
357	Office and computing machines-----	-	79	39	11.6	169.1	5.5	10.0	54.5	422.0	294.7	694.8	(D)	5.1	112.2
3573	Electronic computing equipment-----	-	63	33	10.6	158.3	4.7	8.8	48.0	390.8	253.3	622.4	20.9	(NA)	(NA)
36	Electric and electronic equipment-----	-	465	150	43.1	695.7	23.8	48.5	294.9	1 281.5	618.5	1 885.2	75.0	33.2	655.2
3613	Switchgear and switchboard apparatus -	E2	9	5	0.7	7.5	0.6	1.2	5.2	18.6	10.2	28.1	(D)	(NA)	(NA)
362	Electrical industrial apparatus-----	E1	38	12	1.5	19.6	1.0	1.8	9.9	37.3	25.4	61.8	1.3	(NA)	(NA)
3622	Industrial controls-----	E1	16	4	0.7	9.4	0.4	0.8	3.9	17.6	13.0	30.0	0.5	(NA)	(NA)
364	Electric lighting and wiring equipment-----	E1	45	14	1.0	10.5	0.7	1.4	5.9	26.5	20.5	45.5	1.7	2.4	50.4
365	Radio and TV receiving equipment-----	E1	26	6	1.2	11.1	0.8	1.4	6.5	27.0	17.7	45.3	(D)	1.5	23.9
366	Communication equipment-----	-	78	32	24.0	459.7	10.4	21.3	164.6	804.3	279.3	1 087.3	26.7	19.9	428.3
367	Electronic components and accessories-----	-	211	65	12.5	158.3	8.7	18.1	83.4	302.7	193.3	487.8	34.5	6.0	87.4
3679	Electronic components, n.e.c.-----	E1	162	46	6.6	79.9	5.0	9.8	46.8	144.2	107.6	249.2	11.4	3.0	43.5
369	Miscellaneous electrical equipment and supplies -	-	43	11	1.8	25.6	1.4	2.8	17.6	58.2	61.1	111.8	(D)	1.5	34.1
3699	Electrical equipment and supplies, n.e.c.-----	E3	21	4	0.3	2.5	0.2	0.5	1.7	4.3	4.7	9.1	0.1	0.4	6.3
37	Transportation equipment ---	-	304	93	17.9	275.0	12.4	23.8	157.2	519.8	372.0	880.7	32.2	21.9	552.4
371	Motor vehicles and equipment-----	E1	95	17	2.4	23.7	2.0	4.1	16.9	55.2	96.3	149.3	(D)	1.1	18.0
3714	Motor vehicle parts and accessories-----	E2	70	8	0.8	9.2	0.6	1.2	6.5	19.5	25.9	44.7	(D)	0.5	8.9
379	Miscellaneous transportation equipment -	E3	28	9	0.8	7.3	0.6	1.2	4.8	16.4	23.2	39.4	(D)	0.6	8.7
38	Instruments and related products-----	-	215	75	10.5	144.5	6.2	11.9	61.2	358.5	187.6	531.7	16.4	5.6	120.4
382	Measuring and controlling devices-----	-	64	24	4.0	56.9	2.2	4.2	22.6	131.4	64.2	190.8	4.6	2.4	41.7
3823	Process control instruments-----	-	16	8	1.7	27.2	0.8	1.5	10.7	65.3	33.9	96.9	2.2	(NA)	(NA)
3825	Instruments to measure electricity-----	-	24	8	1.2	15.3	0.8	1.5	6.0	33.0	14.6	46.0	1.2	(NA)	(NA)
3829	Measuring and controlling devices, n.e.c.-----	-	18	5	0.8	12.5	0.4	0.8	4.7	26.6	13.3	39.2	(D)	0.3	5.6
3832	Optical instruments and lenses-----	-	27	10	1.4	21.6	0.8	1.6	8.5	63.1	34.3	94.5	1.4	1.2	19.0
384	Medical instruments and supplies-----	-	67	29	3.6	45.1	2.2	4.2	18.4	105.7	56.1	157.7	(D)	1.0	21.5
3841	Surgical and medical instruments-----	-	24	12	1.9	23.6	1.1	2.3	8.8	48.0	27.3	72.3	6.4	0.3	7.9
3842	Surgical appliances and supplies-----	-	25	12	1.3	16.5	0.9	1.6	7.7	43.6	15.8	58.5	(D)	0.6	11.3
3843	Dental equipment and supplies-----	-	18	5	0.4	5.1	0.2	0.4	1.9	14.1	13.0	27.0	(D)	(NA)	(NA)
3861	Photographic equipment and supplies-----	-	16	6	1.0	15.2	0.7	1.2	8.7	42.0	24.7	64.6	1.0	(NA)	(NA)
39	Miscellaneous manufacturing industries ---	-	269	48	5.9	61.9	4.4	8.7	38.9	137.7	103.1	236.0	4.8	5.3	79.1
3931	Musical instruments-----	-	8	6	1.0	12.7	0.8	1.6	7.8	31.5	19.9	48.7	(D)	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977											1972		
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Anaheim-Santa Ana-Garden Grove SMSA—Con.														
39	Miscellaneous manufacturing industries— Con.														
394	Toys and sporting goods --	-	97	20	3.4	34.5	2.5	5.1	21.9	74.9	62.8	136.0	3.4	3.3	50.2
399	Miscellaneous manufactures -----	E1	111	17	0.9	10.3	0.7	1.3	6.2	21.9	12.6	34.0	(D)	0.9	10.4
	Bakersfield SMSA -----	-	334	78	9.1	132.2	5.4	10.8	78.4	352.3	1 359.1	1 734.6	36.3	6.6	146.3
20	Food and kindred products --	-	34	11	1.1	13.6	0.7	1.3	8.1	47.4	90.4	136.0	3.7	1.5	36.3
208	Beverages -----	-	9	5	0.4	5.3	0.3	0.5	2.7	21.7	23.4	42.7	1.8	0.6	16.1
2711	Newspapers -----	-	16	4	0.4	5.2	0.3	0.6	3.3	10.0	2.8	12.9	0.1	0.5	6.5
28	Chemicals and allied products -----	-	20	5	0.3	4.8	0.2	0.4	2.6	16.8	26.7	42.6	1.5	(NA)	(NA)
29	Petroleum and coal products -----	-	13	10	3.2	58.3	1.4	3.0	33.8	153.1	1 136.7	1 313.6	22.2	0.8	30.8
30	Rubber and miscellaneous plastics products -----	-	15	6	0.6	7.0	0.5	0.9	4.7	19.5	18.3	38.2	1.9	0.4	9.8
32	Stone, clay, and glass products -----	-	32	9	0.7	11.5	0.5	1.0	7.8	39.6	27.5	67.4	2.7	0.8	25.0
35	Machinery, except electrical -	E4	61	11	0.7	8.7	0.5	0.9	5.2	21.6	15.5	37.1	1.3	0.4	7.1
359	Miscellaneous machinery, except electrical -----	E3	31	4	0.3	3.4	0.2	0.5	2.3	7.8	4.3	12.0	(D)	(NA)	(NA)
3599	Machinery, except electrical, n.e.c. -----	E3	31	4	0.3	3.4	0.2	0.5	2.3	7.8	4.3	12.0	(D)	(NA)	(NA)
37	Transportation equipment ---	-	8	3	0.4	5.9	0.1	0.3	1.2	11.4	4.4	15.7	(D)	0.7	8.4
	Fresno SMSA -----	-	669	198	21.8	265.1	16.3	31.3	174.3	681.8	1 191.6	1 866.6	92.3	18.6	408.7
20	Food and kindred products --	-	119	67	7.4	90.6	5.7	11.2	61.5	306.6	735.9	1 034.4	18.8	5.8	160.4
201	Meat products -----	E2	8	4	0.5	5.0	0.5	0.7	4.2	18.5	51.8	71.4	0.2	0.6	12.6
202	Dairy products -----	-	9	6	0.3	4.7	0.2	0.4	3.0	10.7	99.3	110.8	0.3	0.3	7.6
203	Preserved fruits and vegetables -----	-	31	22	3.4	34.7	3.0	5.8	28.3	117.6	259.7	373.2	7.3	2.5	43.2
2034	Dehydrated fruits, vegetables, and soups -	-	19	15	1.5	17.4	1.3	2.5	13.0	67.4	194.3	257.7	4.6	1.0	20.9
207	Fats and oils -----	-	7	5	0.6	9.0	0.5	0.9	5.9	32.8	99.4	133.7	1.7	0.5	21.0
208	Beverages -----	-	30	14	1.3	19.4	0.7	1.5	10.8	76.0	137.1	205.2	6.2	0.9	48.6
2086	Bottled and canned soft drinks -----	-	6	5	0.4	5.6	0.1	0.2	1.2	16.4	17.3	33.5	2.0	(NA)	(NA)
209	Miscellaneous foods and kindred products -----	-	13	6	0.4	4.0	0.2	0.5	2.2	14.2	11.9	26.2	(D)	(NA)	(NA)
24	Lumber and wood products --	-	57	14	1.1	14.4	1.0	1.9	11.9	26.8	47.9	75.4	2.0	1.4	23.6
25	Furniture and fixtures -----	E2	30	6	0.5	4.5	0.4	0.7	3.4	8.6	8.8	17.2	0.3	0.5	6.6
27	Printing and publishing -----	E1	78	10	1.1	15.4	0.5	0.9	6.8	32.0	13.1	45.0	1.3	1.0	18.4
275	Commercial printing -----	E1	42	4	0.3	3.3	0.2	0.3	2.3	6.5	4.3	10.8	0.2	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	-	17	4	0.4	5.1	0.3	0.6	3.3	22.1	18.6	39.8	(D)	0.3	8.9
33	Primary metal industries ----	E1	10	7	0.5	4.6	0.3	0.6	3.3	10.6	21.8	32.1	0.6	0.4	7.0
34	Fabricated metal products ---	-	55	11	1.2	14.0	0.9	1.8	9.7	32.0	35.1	69.6	0.9	1.4	26.1
344	Fabricated structural metal products -----	-	29	7	0.7	9.2	0.5	0.9	6.1	25.2	24.8	49.3	0.3	0.7	13.0
3443	Fabricated plate work (boiler shops) -----	-	7	3	0.3	5.0	0.2	0.4	3.4	13.9	10.9	24.3	0.1	0.4	7.5
35	Machinery, except electrical -	E1	94	27	3.1	40.8	2.2	4.4	26.4	83.5	80.7	161.7	6.0	1.8	38.6
352	Farm and garden machinery -----	-	30	5	0.8	12.0	0.6	1.2	7.6	27.8	24.1	52.2	0.5	0.6	19.7
353	Construction and related machinery -----	E1	8	4	0.4	4.6	0.3	0.5	2.8	7.8	7.1	14.5	0.1	(NA)	(NA)
355	Special industry machinery -----	-	7	6	0.3	4.8	0.2	0.4	2.8	9.0	8.2	16.7	0.2	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Includes industry group SMSA's, see appendix A. For explanation of terms, see appendix B]															
SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Fresno SMSA—Con.														
35	Machinery, except electrical —Con.														
356	General industrial machinery -----	E2	9	5	0.6	7.5	0.4	0.7	4.6	19.4	21.5	40.7	(D)	0.3	4.7
359	Miscellaneous machinery, except electrical -----	E3	30	4	0.3	3.3	0.2	0.4	2.3	5.9	3.2	9.1	0.3	(NA)	(NA)
3599	Machinery, except electrical, n.e.c. -----	E3	30	4	0.3	3.3	0.2	0.4	2.3	5.9	3.2	9.1	0.3	(NA)	(NA)
39	Miscellaneous manufacturing industries ---	E1	32	4	0.3	2.9	0.2	0.4	1.6	7.3	3.4	10.8	0.1	0.3	4.3
--	Administrative and auxiliary --	-	23	6	0.3	6.7	-	-	-	-	-	-	-	(NA)	(NA)
	Los Angeles-Long Beach SMSA -----	-	21 119	6 543	825.5	11 257.9	550.3	1 074.0	6 058.2	24 701.8	29 053.8	53 467.8	1 162.4	778.9	15 234.9
20	Food and kindred products --	-	754	351	46.7	628.2	32.1	63.5	391.9	1 799.2	3 942.5	5 737.4	107.3	46.0	1 126.8
201	Meat products -----	-	114	64	7.5	108.2	5.8	11.5	79.2	222.6	1 101.3	1 326.7	12.3	7.6	131.7
2013	Sausages and other prepared meats -----	-	55	30	3.6	51.2	2.7	5.3	36.6	113.6	314.6	428.4	(D)	3.5	87.6
202	Dairy products -----	-	77	32	3.6	54.1	2.2	4.5	30.7	140.2	530.7	669.2	8.8	5.0	126.5
2026	Fluid milk -----	-	44	18	2.6	40.4	1.4	2.9	20.2	99.7	431.1	529.0	6.9	3.8	97.2
203	Preserved fruits and vegetables -----	E1	84	40	3.5	39.3	2.7	5.6	25.8	110.5	192.4	302.4	8.2	4.0	66.8
2032	Canned specialties -----	E5	19	9	0.4	3.7	0.4	0.7	2.7	15.2	20.1	35.3	(D)	0.8	5.5
2033	Canned fruits and vegetables -----	-	16	11	1.2	17.0	0.9	2.0	10.9	32.9	86.7	119.6	1.3	1.2	27.1
2035	Pickles, sauces, and salad dressings -----	-	27	9	0.9	9.9	0.7	1.4	6.2	42.1	53.0	94.9	4.4	1.1	14.4
2038	Frozen specialties -----	E1	13	7	0.7	6.2	0.5	1.0	4.1	16.1	24.0	40.0	0.4	0.7	15.2
204	Grain mill products -----	-	48	23	2.3	36.1	1.5	3.3	22.7	102.0	268.9	371.9	4.3	2.6	118.1
2041	Flour and other grain mill products -----	-	5	5	0.5	7.8	0.4	0.8	5.3	23.6	106.1	129.6	(D)	(NA)	(NA)
2047	Dog, cat, and other pet food -----	-	12	6	1.1	17.8	0.7	1.5	11.2	54.8	84.6	140.5	1.9	1.3	62.0
205	Bakery products -----	-	115	52	8.7	127.7	5.0	9.7	70.3	335.6	192.7	527.5	12.0	9.7	200.4
2051	Bread, cake, and related products -----	-	99	44	8.0	120.5	4.5	8.7	64.8	311.5	174.2	485.2	11.1	(NA)	(NA)
2052	Cookies and crackers ---	-	16	8	0.6	7.3	0.5	1.0	5.4	24.1	18.5	42.3	0.9	(NA)	(NA)
206	Sugar and confectionery products -----	E1	49	17	2.1	19.4	1.2	2.1	9.7	55.7	59.3	113.7	4.7	2.5	31.9
207	Fats and oils -----	-	25	14	1.3	22.9	0.9	2.0	14.8	70.4	249.1	319.5	6.3	1.5	64.9
2079	Shortening and cooking oils -----	-	9	7	0.8	13.8	0.6	1.2	8.5	45.4	155.5	200.2	4.7	0.8	38.4
208	Beverages -----	-	63	29	5.6	95.0	3.0	5.8	50.5	350.6	455.8	804.6	31.9	5.2	212.4
2086	Bottled and canned soft drinks -----	-	27	14	2.8	41.8	0.9	1.9	12.4	145.0	157.5	301.3	7.7	2.6	70.9
209	Miscellaneous foods and kindred products -----	-	179	80	12.2	125.4	9.7	19.1	88.3	411.6	892.2	1 301.9	18.8	8.1	174.1
2099	Food preparations, n.e.c. -----	-	120	47	5.1	50.7	3.8	7.2	34.1	151.2	182.8	335.1	8.4	3.5	93.2
22	Textile mill products -----	E1	272	111	10.3	102.4	8.0	15.8	65.7	211.5	399.0	603.4	9.9	8.5	163.8
2221	Weaving mills, manmade fiber and silk -----	E2	18	6	0.3	2.9	0.3	0.6	2.1	5.4	11.1	16.6	0.6	(NA)	(NA)
2241	Narrow fabric mills -----	E1	6	4	0.3	2.2	0.2	0.5	1.7	3.9	3.5	7.5	0.1	(NA)	(NA)
225	Knitting mills -----	E1	87	39	2.8	22.1	2.5	4.5	16.8	36.1	55.1	90.6	1.5	2.5	48.6
226	Textile finishing, except wool -----	E1	28	10	1.0	9.7	0.8	1.7	7.3	19.8	23.4	43.2	1.8	(NA)	(NA)
2262	Finishing plants, synthetics -----	E1	11	4	0.3	3.6	0.3	0.6	2.5	9.3	6.7	16.2	1.0	(NA)	(NA)
227	Floor covering mills -----	E1	46	23	3.7	42.2	2.4	4.9	22.3	97.5	245.0	337.3	3.3	(NA)	(NA)
229	Miscellaneous textile goods -----	E1	61	23	1.6	17.5	1.2	2.5	10.8	36.8	45.0	80.6	2.0	1.3	21.5
2293	Paddings and upholstery filling -----	-	16	10	0.5	5.3	0.4	0.8	3.4	12.8	13.8	26.5	(D)	0.3	4.9
2295	Coated fabrics, not rubberized -----	E1	12	5	0.3	3.5	0.2	0.4	2.0	7.7	10.9	18.4	(D)	(NA)	(NA)
23	Apparel and other textile products -----	E1	3 073	983	78.2	607.5	65.3	115.7	401.0	1 355.0	1 482.3	2 840.5	25.1	61.4	684.9
233	Women's and misses' outerwear -----	E1	2 118	647	48.1	366.9	40.6	70.9	244.2	854.2	931.9	1 786.6	(D)	32.3	376.0
2331	Women's and misses' blouses and waists -----	-	216	121	8.9	71.9	7.4	13.0	46.2	175.6	230.9	402.5	(D)	3.6	60.1

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Los Angeles-Long Beach SMSA—Con.														
23	Apparel and other textile products—Con.														
233	Women's and misses' outerwear—Con.														
2335	Women's and misses' dresses -----	E3	1 480	297	20.6	144.3	17.9	31.1	101.0	316.0	306.1	617.7	4.8	16.8	167.3
2337	Women's and misses' suits and coats -----	-	169	100	6.7	53.4	5.8	10.1	36.9	128.9	154.0	291.7	(D)	4.5	57.9
2339	Women's and misses' outerwear, n.e.c. -----	E1	253	129	11.9	97.3	9.5	16.8	60.2	233.7	240.9	474.7	(D)	7.3	90.7
234	Women's and children's undergarments -----	-	40	22	3.4	29.6	2.7	5.2	17.3	61.8	37.3	98.8	1.3	3.9	42.1
2361	Children's dresses and blouses -----	-	31	19	1.8	14.1	1.4	2.3	7.9	32.1	42.2	72.9	(D)	(NA)	(NA)
238	Miscellaneous apparel and accessories -----	E1	120	25	2.1	16.6	1.7	3.0	11.7	29.4	25.4	54.4	(D)	1.7	19.1
2387	Apparel belts -----	E2	35	7	0.6	4.4	0.5	0.8	2.9	9.9	7.0	16.6	(D)	(NA)	(NA)
239	Miscellaneous fabricated textile products -----	E1	444	127	10.4	86.5	8.7	16.0	59.1	172.8	210.3	381.2	(D)	10.3	100.3
24	Lumber and wood products --	E1	620	158	13.5	136.0	10.9	21.1	96.4	276.1	294.8	565.8	17.3	10.9	150.8
242	Sawmills and planing mills -	E2	83	25	1.6	13.6	1.4	2.7	10.9	25.8	18.3	43.7	1.8	1.1	11.7
2426	Hardwood dimension and flooring -----	E2	56	16	1.1	8.6	1.0	1.8	7.0	16.0	11.9	27.7	1.2	0.7	6.4
243	Millwork, plywood, and structural members -----	E1	224	59	5.2	62.0	4.0	7.8	44.0	114.2	126.9	239.6	3.7	4.5	64.6
2431	Millwork -----	E1	98	29	2.4	24.6	1.9	3.6	17.6	47.0	62.0	108.2	1.2	2.1	26.3
2434	Wood kitchen cabinets --	E1	110	22	2.1	31.0	1.7	3.2	21.7	51.1	29.5	79.9	1.4	2.0	32.0
244	Wood containers -----	E1	58	11	0.8	7.1	0.7	1.2	4.9	13.5	14.4	27.9	0.4	(NA)	(NA)
2441	Nailed wood boxes and shook -----	E2	27	3	0.3	1.9	0.2	0.4	1.5	3.9	2.9	6.7	0.1	0.3	4.4
2448	Wood pallets and skids -	E1	21	8	0.5	4.9	0.5	0.8	3.1	9.3	11.0	20.3	0.3	0.4	5.3
245	Wood buildings and mobile homes -----	E4	15	11	1.4	12.9	1.1	2.3	9.3	29.7	51.8	80.9	7.0	1.5	17.9
249	Miscellaneous wood products -----	E1	217	51	4.4	39.1	3.6	7.0	26.4	89.1	78.1	164.6	4.0	3.1	46.1
25	Furniture and fixtures -----	E1	1 021	408	36.7	368.1	30.3	59.7	260.1	728.7	668.0	1 384.7	25.9	32.1	447.3
251	Household furniture -----	E1	668	276	25.9	242.3	21.6	42.1	174.4	492.2	482.7	966.8	18.7	23.4	313.7
2511	Wood household furniture -----	E1	293	98	8.4	74.5	7.4	14.7	56.7	148.9	122.8	267.6	8.9	7.1	89.4
2512	Upholstered household furniture -----	E1	199	95	7.9	76.8	6.7	12.6	57.2	142.6	142.3	283.3	3.5	7.7	93.5
2514	Metal household furniture -----	-	61	34	5.5	50.1	4.3	8.6	33.3	114.1	107.6	220.0	4.2	(NA)	(NA)
2515	Mattresses and bedsprings -----	E1	66	31	2.3	26.3	1.8	3.4	16.9	57.6	70.6	127.5	1.1	2.6	40.7
2517	Wood TV and radio cabinets -----	-	13	9	1.1	8.1	0.8	1.5	5.2	15.5	26.8	42.2	0.2	(NA)	(NA)
2519	Household furniture, n.e.c. -----	E1	34	9	0.8	6.5	0.7	1.3	5.0	13.7	12.6	26.2	0.7	(NA)	(NA)
252	Office furniture -----	-	83	37	3.8	37.5	3.2	6.2	27.1	76.4	56.8	132.6	(D)	2.4	34.4
2531	Public building and related furniture -----	-	29	12	1.4	16.2	1.0	2.0	10.3	28.9	27.3	56.0	(D)	1.5	20.2
254	Partitions and fixtures -----	-	159	55	3.2	43.9	2.6	5.2	30.6	78.7	57.0	134.0	1.7	2.8	49.2
2541	Wood partitions and fixtures -----	-	101	27	1.7	27.4	1.4	2.8	20.9	46.2	30.7	75.7	0.9	(NA)	(NA)
2542	Metal partitions and fixtures -----	E1	58	28	1.5	16.5	1.2	2.4	9.7	32.5	26.3	58.3	0.7	(NA)	(NA)
259	Miscellaneous furniture and fixtures -----	-	82	28	2.4	28.2	1.9	4.1	17.7	52.4	44.2	95.3	1.5	1.9	29.8
2591	Drapery hardware and blinds and shades -----	-	27	5	0.7	7.6	0.5	0.9	4.3	15.6	12.5	27.6	0.5	0.7	10.7
2599	Furniture and fixtures, n.e.c. -----	-	55	23	1.7	20.6	1.3	3.2	13.4	36.8	31.8	67.6	1.0	1.3	19.1
26	Paper and allied products ---	-	293	153	15.6	219.8	11.9	23.6	153.8	475.3	749.8	1 226.6	29.6	15.4	290.0
264	Miscellaneous converted paper products -----	-	161	66	6.3	79.5	4.8	9.6	55.4	171.0	244.6	414.1	10.0	5.9	102.2
2641	Paper coating and glazing -----	E1	27	6	0.6	8.4	0.4	0.8	4.8	16.6	20.7	36.9	2.3	0.7	13.4
2642	Envelopes -----	-	17	14	1.2	16.9	0.9	1.9	11.7	32.4	29.3	61.2	(D)	1.1	20.0
2643	Bags, except textile bags -----	-	33	23	2.2	26.1	1.7	3.4	18.6	54.3	97.0	149.7	4.6	1.9	32.2
2645	Die-cut paper and board -----	E1	24	8	0.9	9.5	0.7	1.4	6.8	21.7	21.0	42.0	0.8	0.8	11.2
265	Paperboard containers and boxes -----	-	120	76	7.6	109.9	5.7	11.2	74.0	223.9	397.3	623.2	15.1	7.5	135.9
2651	Folding paperboard boxes -----	E2	24	13	1.5	23.0	1.2	2.6	16.0	42.3	44.9	88.7	0.7	1.8	33.3

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

MSA's, see appendix A. For explanation of terms, see appendix B.															
SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Los Angeles-Long Beach SMSA—Con.														
26	Paper and allied products—Con.														
265	Paperboard containers and boxes—Con.														
2653	Corrugated and solid fiber boxes -----	-	64	44	4.3	64.7	3.1	6.1	42.4	132.5	264.1	396.9	12.2	3.9	72.9
2654	Sanitary food containers -----	-	12	8	1.1	14.8	0.9	1.5	10.6	34.8	68.8	104.0	1.4	0.9	17.3
2711	Newspapers -----	-	141	43	12.1	151.3	4.0	6.8	56.8	389.0	154.0	542.8	12.8	12.2	239.8
2721	Periodicals -----	E1	189	31	2.7	35.9	0.6	1.1	5.6	148.9	82.1	235.6	2.1	2.0	59.1
273	Books -----	E1	147	28	2.0	24.1	0.8	1.6	8.6	75.5	39.9	114.6	4.2	2.9	45.1
2731	Book publishing -----	E1	105	17	1.2	14.9	0.3	0.5	2.4	52.1	26.1	77.5	2.3	2.3	34.6
2732	Book printing -----	-	42	11	0.7	9.2	0.6	1.1	6.2	23.4	13.8	37.1	1.9	0.5	10.5
2741	Miscellaneous publishing -----	E2	235	28	2.3	27.7	1.0	1.7	10.5	58.2	27.3	85.4	2.5	(NA)	(NA)
2751	Commercial printing, letterpress -----	E1	739	61	6.4	79.9	5.0	9.2	56.5	155.2	127.2	280.8	10.2	7.0	117.4
2753	Engraving and plate printing -----	-	35	10	0.8	12.2	0.6	1.1	7.8	22.4	8.5	30.5	1.4	(NA)	(NA)
2761	Manifold business forms -----	-	45	28	2.0	26.0	1.4	2.6	16.0	54.7	45.6	99.4	1.1	1.3	26.2
278	Blankbooks and bookbinding -----	-	100	32	2.9	30.5	2.4	4.7	22.0	61.7	34.1	95.1	2.6	3.3	47.7
2782	Blankbooks and looseleaf binders -----	-	25	14	1.7	19.3	1.3	2.6	13.3	41.5	29.0	69.7	1.5	2.1	38.9
2789	Bookbinding and related work -----	E1	75	18	1.2	11.1	1.1	2.0	8.7	20.2	5.1	25.4	1.2	1.2	8.8
2791	Typesetting -----	E2	145	17	1.1	14.7	0.9	1.6	10.8	23.8	3.9	27.6	1.2	0.9	15.9
2795	Lithographic platemaking services --	-	37	14	0.9	17.1	0.6	1.2	11.7	31.3	9.0	40.2	1.0	(NA)	(NA)
28	Chemicals and allied products -----	-	725	258	25.0	337.4	15.3	30.4	172.7	1 393.0	1 614.5	2 969.4	85.1	23.5	891.0
281	Industrial inorganic chemicals -----	-	46	20	1.7	27.4	1.1	2.1	16.2	108.7	132.9	239.6	21.3	1.1	43.3
2813	Industrial gases -----	-	10	4	0.4	6.0	0.2	0.4	3.0	21.6	23.7	44.9	(D)	(NA)	(NA)
2819	Industrial inorganic chemicals, n.e.c. -----	-	24	13	1.1	19.2	0.8	1.5	12.2	78.8	95.9	173.3	(D)	(NA)	(NA)
283	Drugs -----	E1	72	34	4.7	62.5	2.6	5.1	27.0	233.0	178.0	387.2	(D)	4.3	122.4
2834	Pharmaceutical preparations -----	E1	43	22	3.6	46.8	1.9	3.8	20.1	168.1	102.8	266.8	4.4	3.9	112.3
284	Soaps, cleaners, and toilet goods -----	-	232	74	8.9	106.4	5.9	11.7	60.3	503.2	447.7	947.2	29.7	7.9	380.5
2844	Toilet preparations -----	-	79	27	4.9	47.1	3.3	6.6	25.2	246.0	132.6	379.1	10.9	3.7	192.1
2851	Paints and allied products -----	-	113	46	3.9	54.8	2.2	4.2	25.2	208.2	293.8	499.4	6.5	4.1	130.7
286	Industrial organic chemicals -----	-	22	9	0.6	9.1	0.4	0.8	5.7	50.8	86.5	133.3	2.6	(NA)	(NA)
2879	Agricultural chemicals, n.e.c. -----	-	20	5	0.4	5.8	0.3	0.5	2.9	14.5	24.7	40.5	0.4	(NA)	(NA)
289	Miscellaneous chemical products -----	E1	172	43	2.9	40.7	1.8	3.6	19.7	127.1	163.2	287.6	(D)	3.1	88.2
29	Petroleum and coal products -----	-	89	41	9.2	178.6	6.0	12.1	108.2	1 316.6	5 409.1	6 677.7	81.5	8.7	410.2
2911	Petroleum refining -----	-	18	17	7.0	143.0	4.7	9.3	89.7	1 189.8	5 224.2	6 369.2	70.0	7.0	345.5
295	Paving and roofing materials -----	-	37	11	1.2	18.3	0.9	1.9	13.4	55.1	84.4	138.3	4.0	1.2	39.5
2952	Asphalt felts and coatings -----	-	17	9	1.0	15.3	0.8	1.7	11.2	43.4	67.2	109.7	3.5	0.9	29.7
299	Miscellaneous petroleum and coal products -----	-	34	13	1.0	17.3	0.4	0.8	5.1	71.8	100.5	170.2	7.4	0.5	25.2
30	Rubber and miscellaneous plastics products -----	E1	860	348	32.6	373.8	25.5	50.0	249.1	855.3	830.1	1 672.3	64.3	30.4	526.7
3011	Tires and inner tubes -----	-	13	7	3.9	65.2	3.0	6.1	51.0	138.7	128.7	257.8	(D)	(NA)	(NA)
3069	Fabricated rubber products, n.e.c. -----	-	98	50	4.6	50.2	3.6	7.0	31.4	117.9	126.4	248.6	9.9	3.9	64.1
3079	Miscellaneous plastics products -----	E1	741	286	23.7	254.5	18.5	36.4	164.3	590.3	565.5	1 148.3	51.0	20.8	335.2
3171	Women's handbags and purses -----	E1	42	15	1.6	11.8	1.5	2.4	9.4	20.8	16.7	37.3	(D)	(NA)	(NA)
32	Stone, clay, and glass products -----	-	579	189	20.9	258.9	16.4	31.5	183.2	582.3	480.6	1 060.4	43.1	21.1	391.5
322	Glass and glassware, pressed or blown -----	-	32	12	5.3	69.9	4.7	8.4	58.9	150.1	93.1	245.8	12.8	(NA)	(NA)
3221	Glass containers -----	-	7	7	4.4	58.4	4.0	6.8	49.6	119.5	77.9	199.1	11.2	(NA)	(NA)
3229	Pressed and blown glass, n.e.c. -----	E1	25	5	0.9	11.5	0.8	1.6	9.4	30.6	15.2	46.7	1.6	(NA)	(NA)
3231	Products of purchased glass -----	E1	93	26	2.4	29.5	1.8	3.6	18.6	63.0	57.1	119.6	3.4	1.3	24.7

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977											1972		
		E ¹	All estab- lishments	All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)	
			With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)							
			Total (no.)												
	Los Angeles-Long Beach SMSA—Con.														
32	Stone, clay, and glass products—Con.														
325	Structural clay products ---	-	19	12	0.7	7.8	0.6	1.3	5.9	18.0	9.9	27.7	(D)	1.1	19.3
3251	Brick and structural clay tile -----	-	8	5	0.4	4.7	0.3	0.7	3.5	13.6	4.5	18.1	(D)	(NA)	(NA)
326	Pottery and related products -----	E1	106	42	4.7	40.0	3.6	6.9	27.8	71.5	29.5	98.6	4.1	4.8	56.6
3263	Fine earthenware food utensils -----	-	4	4	1.5	12.7	0.7	1.4	5.9	20.5	6.2	25.3	0.5	(NA)	(NA)
327	Concrete, gypsum, and plaster products -----	-	176	55	3.1	50.4	2.1	4.3	31.1	127.4	160.1	286.0	11.8	4.2	96.3
3272	Concrete products, n.e.c. -----	E1	73	19	1.3	18.4	1.0	2.0	12.2	37.0	28.8	64.9	2.0	1.7	32.6
3273	Ready-mixed concrete --	-	76	28	1.2	21.5	0.7	1.4	11.6	51.1	89.9	140.8	8.0	1.7	40.2
3275	Gypsum products -----	-	8	4	0.3	5.7	0.3	0.6	4.5	25.8	32.7	58.0	0.6	(NA)	(NA)
3281	Cut stone and stone products -----	E1	18	4	0.3	2.7	0.2	0.4	1.6	4.5	3.4	7.9	0.1	(NA)	(NA)
329	Miscellaneous nonmetallic mineral products-----	E1	129	35	3.9	49.2	2.9	5.8	32.4	113.9	106.2	218.8	6.6	4.3	83.1
33	Primary metal industries ----	-	444	208	23.7	327.8	18.7	37.8	228.5	655.5	1 022.3	1 677.8	40.9	24.7	428.1
331	Blast furnace and basic steel products-----	-	60	31	5.2	91.3	3.8	7.7	62.0	169.6	326.4	488.6	(D)	5.3	115.6
332	Iron and steel foundries ---	-	53	38	4.1	50.3	3.4	7.0	36.9	94.7	70.9	166.1	(D)	(NA)	(NA)
3321	Gray iron foundries -----	-	25	17	1.8	23.4	1.6	3.2	18.0	46.8	33.3	80.3	(D)	(NA)	(NA)
3324	Steel investment foundries -----	-	12	11	1.1	12.7	1.0	2.0	8.5	24.4	16.6	40.6	(D)	(NA)	(NA)
3325	Steel foundries, n.e.c.----	E1	16	10	1.1	14.2	0.9	1.8	10.4	23.4	20.9	45.2	(D)	(NA)	(NA)
3341	Secondary nonferrous metals -----	-	32	12	1.2	16.3	0.9	1.7	9.9	40.9	178.4	224.0	(D)	1.0	22.8
335	Nonferrous rolling and drawing -----	-	49	30	5.7	81.2	4.4	9.2	57.3	171.0	319.7	494.2	11.0	7.2	118.1
3354	Aluminum extruded products -----	-	16	14	3.3	51.6	2.6	5.8	39.1	109.0	184.2	292.0	(D)	(NA)	(NA)
3357	Nonferrous wire drawing and insulating -	-	20	11	1.4	14.9	1.1	1.8	7.4	32.6	49.9	83.1	(D)	(NA)	(NA)
336	Nonferrous foundries ---	-	164	70	5.8	67.7	4.8	9.5	48.3	136.5	106.2	241.4	6.5	5.3	80.0
3361	Aluminum foundries ----	-	101	37	3.4	40.1	2.9	5.6	29.0	83.4	54.5	136.8	3.3	2.7	40.2
3362	Brass, bronze, and copper foundries -----	-	35	15	1.1	12.9	0.8	1.8	8.6	20.3	23.5	43.7	1.5	0.8	12.7
3369	Nonferrous foundries, n.e.c. -----	-	28	18	1.3	14.7	1.1	2.1	10.7	32.8	28.2	60.9	1.7	1.7	27.1
3398	Metal heat treating -----	-	65	23	1.5	17.7	1.2	2.3	12.0	37.1	13.8	50.8	2.9	(NA)	(NA)
34	Fabricated metal products ---	-	2 240	793	78.9	1 032.5	59.1	123.0	666.6	2 206.5	1 826.8	3 976.2	119.6	70.7	1 259.1
341	Metal cans and shipping containers -----	-	31	17	3.3	63.3	2.9	6.3	53.9	153.8	247.8	386.3	9.5	3.8	89.9
3411	Metal cans -----	-	20	12	3.0	59.0	2.6	5.6	50.4	141.5	230.9	356.9	9.3	(NA)	(NA)
3412	Metal barrels, drums, and pails -----	E1	11	5	0.4	4.2	0.3	0.6	3.5	12.3	16.9	29.3	0.3	(NA)	(NA)
342	Cutlery, hand tools, and hardware -----	-	178	72	10.8	126.9	8.4	20.3	89.1	298.5	175.4	464.6	18.4	8.9	179.5
343	Plumbing and heating, except electric -----	-	62	30	4.3	47.2	3.5	7.1	34.1	130.9	113.1	243.5	8.2	3.8	72.5
3432	Plumbing fittings and brass goods -----	-	27	18	3.0	30.1	2.5	5.0	22.6	88.5	76.8	164.6	6.4	(NA)	(NA)
344	Fabricated structural metal products -----	-	628	221	19.7	277.3	12.9	25.9	149.7	560.8	511.7	1 077.5	24.6	15.8	285.3
3441	Fabricated structural metal -----	-	90	37	2.3	35.5	1.6	3.2	21.6	73.8	53.6	125.6	3.7	3.3	57.2
3442	Metal doors, sash, and trim -----	-	104	43	4.8	49.7	3.7	7.5	31.8	111.3	143.0	250.9	4.7	4.2	63.4
3443	Fabricated plate work (boiler shops) -----	-	86	44	6.2	104.8	2.9	5.9	40.7	203.0	126.6	340.7	7.3	2.7	54.3
3444	Sheet metal work -----	E1	235	67	4.1	52.6	3.1	6.1	35.7	103.8	104.9	208.1	6.5	3.4	61.9
3446	Architectural metal work -----	E1	83	16	1.0	12.0	0.7	1.4	7.3	25.2	24.2	48.9	0.6	(NA)	(NA)
3448	Prefabricated metal buildings -----	-	13	6	0.7	13.5	0.3	0.8	6.4	28.9	18.7	48.4	0.3	(NA)	(NA)
3449	Miscellaneous metal work -----	-	17	8	0.7	9.2	0.5	1.1	6.3	14.8	40.8	54.8	1.4	1.1	23.9
345	Screw machine products, bolts, etc. -----	-	178	69	6.7	90.6	5.1	10.8	62.7	185.0	108.8	287.2	9.1	6.2	113.0
3451	Screw machine products -----	E2	100	30	1.7	20.2	1.4	2.8	14.5	35.3	23.4	58.4	1.8	2.0	33.6
3452	Bolts, nuts, rivets, and washers -----	-	78	39	5.0	70.4	3.7	8.0	48.2	149.7	85.5	228.9	7.4	4.2	79.4
346	Metal forgings and stampings -----	-	242	96	8.9	117.6	7.0	14.5	80.8	251.1	232.6	476.5	20.8	6.3	107.9

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977											1972		
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
34	Los Angeles-Long Beach SMSA—Con.														
346	Fabricated metal products—Con.														
3462	Metal forgings and stampings—Con.														
3462	Iron and steel forgings --	-	19	8	0.9	16.1	0.7	1.4	10.5	40.2	49.9	86.9	6.7	0.6	16.5
3463	Nonferrous forgings ----	-	8	5	0.6	10.7	0.4	1.0	7.1	29.3	41.5	69.1	(D)	(NA)	(NA)
3469	Metal stampings, n.e.c. --	E1	197	71	5.9	69.9	4.6	9.5	46.0	132.8	106.4	237.8	7.9	4.4	64.5
347	Metal services, n.e.c. ----	E1	490	137	9.4	96.9	8.0	16.0	68.5	177.9	81.6	259.6	8.4	8.8	117.9
3471	Plating and polishing ----	E1	340	101	7.3	72.8	6.2	12.3	52.0	133.7	56.3	189.9	6.9	6.4	84.7
3479	Metal coating and allied services-----	E2	150	36	2.2	24.2	1.8	3.6	16.5	44.2	25.3	69.7	1.5	2.4	33.2
348	Ordinance and accessories, n.e.c. ----	-	28	12	3.5	52.0	2.4	4.8	30.8	101.0	91.0	186.4	5.4	6.3	92.7
349	Miscellaneous fabricated metal products-----	-	403	139	12.3	160.6	8.8	17.4	96.9	347.5	264.8	594.7	15.0	10.9	200.5
3494	Valves and pipe fittings -	-	51	26	4.1	61.2	2.5	5.1	30.8	128.9	73.1	198.1	5.1	3.0	65.1
3495	Wire springs-----	-	25	18	1.2	14.0	1.0	1.9	10.1	27.6	23.6	51.0	1.1	(NA)	(NA)
3496	Miscellaneous fabricated wire products-----	E1	72	28	1.6	17.4	1.2	2.5	11.5	35.8	33.5	68.8	2.6	1.6	25.5
3498	Fabricated pipe and fittings-----	-	44	19	1.7	22.9	1.2	2.3	15.5	56.0	54.3	99.5	2.1	1.1	24.2
3499	Fabricated metal products, n.e.c.-----	E1	196	42	3.3	39.5	2.6	5.0	25.6	83.5	65.1	146.9	3.9	3.5	59.0
35	Machinery, except electrical -	E1	3 216	634	67.6	938.1	45.3	91.9	537.5	1 950.6	1 546.4	3 447.8	120.1	66.7	1 264.7
352	Farm and garden machinery-----	-	25	11	1.5	13.2	1.2	2.2	7.7	32.3	43.1	73.4	2.0	0.8	13.5
353	Construction and related machinery-----	-	162	71	7.8	113.3	5.0	9.9	64.5	299.0	237.5	527.2	29.6	8.5	211.5
3531	Construction machinery -	-	43	20	2.8	38.9	1.8	3.2	21.4	77.0	107.0	183.7	4.5	2.7	63.7
3535	Conveyors and conveying equipment --	E1	28	9	0.5	9.2	0.3	0.6	5.5	21.3	13.6	34.4	0.3	1.1	24.1
3537	Industrial trucks and tractors-----	E1	34	10	0.9	9.0	0.6	1.1	6.0	15.8	22.0	37.3	0.4	0.6	9.9
3541	Machine tools, metal cutting types-----	E3	54	10	0.9	12.7	0.6	1.1	7.4	29.2	15.9	44.3	2.1	(NA)	(NA)
3544	Special dies, tools, jigs, and fixtures-----	E1	346	50	3.9	59.7	3.1	6.4	41.7	102.7	45.2	146.6	6.5	(NA)	(NA)
3545	Machine tool accessories-----	E1	87	18	1.5	19.0	1.1	2.2	13.0	33.7	19.4	52.2	2.0	(NA)	(NA)
3549	Metalworking machinery, n.e.c.-----	E1	36	7	0.7	7.5	0.5	0.8	4.1	14.9	11.8	25.9	0.6	(NA)	(NA)
355	Special industry machinery-----	E1	174	47	3.5	51.3	2.3	4.5	28.2	101.5	67.8	167.5	4.5	5.0	91.6
3551	Food products machinery-----	-	34	15	1.4	21.2	0.9	1.8	12.3	41.2	23.0	63.9	1.4	1.1	20.7
3559	Special industry machinery, n.e.c.-----	E1	86	20	1.4	19.7	0.9	1.8	10.2	43.2	34.0	75.8	2.3	1.5	29.4
356	General industrial machinery-----	-	319	99	12.4	183.6	7.6	15.9	101.0	395.0	333.3	699.9	21.5	10.1	175.4
3561	Pumps and pumping equipment-----	-	46	22	5.3	80.8	2.9	6.4	42.6	207.6	189.9	368.6	(D)	4.6	71.1
3564	Blowers and fans-----	-	28	14	1.6	21.5	1.1	2.1	13.2	43.0	33.6	77.8	(D)	1.5	27.9
3566	Speed changers, drives, and gears-----	E1	16	7	0.7	10.9	0.4	0.9	7.2	19.1	13.5	34.5	(D)	(NA)	(NA)
3567	Industrial furnaces and ovens-----	E1	27	5	0.4	5.5	0.3	0.6	3.1	10.0	6.5	16.4	(D)	0.3	6.1
3568	Power transmission equipment, n.e.c.-----	-	11	8	0.6	6.3	0.4	0.8	3.7	13.2	6.6	18.7	(D)	(NA)	(NA)
3569	General industrial machinery, n.e.c.-----	-	111	33	2.9	43.3	1.7	3.5	20.5	77.1	68.8	143.5	(D)	2.1	41.8
357	Office and computing machines-----	-	109	46	11.3	154.8	5.9	12.5	59.6	318.8	249.4	576.2	15.0	15.6	298.2
3573	Electronic computing equipment-----	-	90	41	10.4	145.0	5.4	11.5	55.2	297.5	238.7	542.2	14.6	14.2	271.9
358	Refrigeration and service machinery-----	-	153	49	6.0	76.1	4.0	7.7	47.8	146.4	214.6	354.8	5.6	5.3	93.0
3585	Refrigeration and heating equipment ----	E1	51	23	3.1	42.0	2.3	4.4	28.2	75.3	148.2	221.0	3.8	3.6	62.6
3589	Service industry machinery, n.e.c.-----	-	81	19	2.4	27.0	1.3	2.6	14.3	55.5	51.9	104.1	(D)	1.5	26.5
359	Miscellaneous machinery, except electrical-----	E2	1 695	201	15.2	205.9	11.9	24.4	139.8	365.7	172.0	533.4	25.9	13.5	231.6
36	Electric and electronic equipment-----	-	1 362	530	87.2	1 181.9	56.3	109.5	614.1	2 485.0	1 658.1	4 050.2	104.0	78.1	1 377.5
361	Electric distributing equipment-----	-	62	22	3.1	40.6	2.2	4.4	24.1	87.7	58.9	144.7	2.2	3.0	45.7
3613	Switchgear and switchboard apparatus -	-	44	20	3.0	38.9	2.0	4.2	22.9	84.3	55.5	137.9	2.2	2.6	40.9
362	Electrical industrial apparatus-----	-	101	43	4.7	58.4	3.3	6.6	33.6	114.6	95.7	204.0	7.9	5.0	80.4
3621	Motors and generators --	-	29	17	1.9	21.4	1.4	2.8	12.9	41.9	34.1	75.1	4.6	2.0	30.5

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

(Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

SIC code	SMSA and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Los Angeles-Long Beach SMSA—Con.														
36	Electric and electronic equipment—Con.														
362	Electrical industrial apparatus—Con.														
3623	Welding apparatus, electric	-	14	5	0.7	10.9	0.5	1.0	5.8	21.8	25.3	45.7	0.6	(NA)	(NA)
3629	Electrical industrial apparatus, n.e.c.	-	17	10	1.2	16.2	0.9	1.7	9.0	30.2	22.7	49.2	0.9	(NA)	(NA)
363	Household appliances	-	41	18	3.1	35.8	2.5	5.3	26.6	104.3	146.6	252.1	3.5	4.0	73.2
364	Electric lighting and wiring equipment	E1	202	93	8.9	92.6	6.9	13.2	58.2	219.7	187.0	405.2	6.4	9.0	152.3
3644	Noncurrent-carrying wiring devices	E2	14	9	1.2	14.5	0.9	1.9	10.1	43.8	39.2	83.3	(D)	(NA)	(NA)
3646	Commercial lighting fixtures	-	19	12	1.2	14.0	0.9	1.8	9.1	28.2	26.2	53.8	0.5	2.1	37.2
3648	Lighting equipment, n.e.c.	-	28	16	1.3	14.1	0.8	1.6	7.4	28.3	26.6	54.7	0.8	(NA)	(NA)
365	Radio and TV receiving equipment	-	238	55	7.7	85.2	5.4	10.9	52.1	254.5	244.5	499.1	9.4	5.6	88.9
3651	Radio and TV receiving sets	-	66	23	4.3	43.1	2.9	5.6	23.8	120.6	146.9	270.3	3.1	3.0	48.5
3652	Phonograph records and prerecorded tape	-	172	32	3.4	42.1	2.4	5.3	28.3	133.8	97.6	228.8	6.4	2.6	40.3
366	Communication equipment	-	212	109	36.5	596.3	18.7	35.5	256.2	1 148.6	591.4	1 664.5	44.5	32.6	638.7
3661	Telephone and telegraph apparatus	E3	25	15	3.3	32.3	2.0	3.7	17.3	91.2	50.6	139.9	10.7	(NA)	(NA)
3662	Radio and TV communication equipment	-	187	94	33.3	564.0	16.7	31.9	239.0	1 057.5	540.8	1 524.6	33.7	(NA)	(NA)
367	Electronic components and accessories	E1	409	154	19.6	228.1	14.7	28.1	134.2	434.8	233.8	664.7	24.6	15.8	243.0
3674	Semiconductors and related devices	-	38	18	3.1	38.0	2.2	4.2	22.0	79.2	34.5	114.2	3.3	(NA)	(NA)
3675	Electronic capacitors	E1	19	15	2.7	22.9	2.2	3.9	13.8	42.0	14.0	56.4	1.6	1.8	19.1
3676	Electronic resistors	-	7	7	0.9	8.9	0.7	1.4	5.6	14.6	6.1	20.5	(D)	(NA)	(NA)
3677	Electronic coils and transformers	E1	30	17	1.2	9.9	0.9	1.6	6.4	18.7	14.7	33.2	(D)	(NA)	(NA)
3679	Electronic components, n.e.c.	E2	283	78	7.6	93.6	5.4	10.8	49.1	176.1	112.4	285.9	10.1	5.7	91.0
369	Miscellaneous electrical equipment and supplies	-	97	36	3.6	44.8	2.8	5.5	29.2	120.9	100.3	215.9	5.5	3.1	55.3
3691	Storage batteries	-	16	9	1.1	16.7	1.0	2.0	12.6	44.9	57.9	99.5	3.6	0.9	22.8
3699	Electrical equipment and supplies, n.e.c.	E3	41	15	0.8	7.9	0.7	1.2	5.0	16.7	13.7	30.1	0.6	0.9	12.7
37	Transportation equipment	-	866	313	151.4	2 799.5	81.0	159.6	1 239.4	5 653.2	5 387.5	11 112.9	171.9	163.7	4 211.7
3714	Motor vehicle parts and accessories	E1	248	90	9.9	103.5	7.5	14.6	69.4	248.5	327.7	572.0	19.1	6.5	119.2
3715	Truck trailers	-	10	6	0.7	9.0	0.5	1.0	5.5	17.5	26.1	43.0	0.4	0.9	13.4
372	Aircraft and parts	-	253	99	73.1	1 398.0	37.4	73.9	586.0	2 912.3	1 779.1	4 757.9	70.3	94.6	2 581.7
3721	Aircraft	-	32	13	55.6	1 107.5	25.4	49.5	400.8	2 362.5	1 485.7	3 905.3	50.8	(NA)	(NA)
3724	Aircraft engines and engine parts	-	29	14	2.1	30.9	1.4	2.7	18.5	69.6	49.3	118.9	2.8	(NA)	(NA)
3728	Aircraft equipment, n.e.c.	-	192	72	15.4	259.6	10.6	21.8	166.8	480.2	244.1	733.6	16.8	18.4	428.7
373	Ship and boat building and repairing	-	88	18	3.8	59.2	3.2	6.2	47.2	107.3	69.3	175.8	2.1	4.4	58.2
3731	Ship building and repairing	-	18	7	2.6	46.9	2.2	4.3	37.2	78.8	39.1	117.9	1.1	3.6	46.2
3732	Boat building and repairing	E1	70	11	1.2	12.3	1.0	1.9	10.0	28.6	30.2	57.8	1.1	0.9	12.0
376	Guided missiles, space vehicles, parts	-	22	17	44.1	923.8	15.9	31.4	293.8	1 631.6	723.1	2 369.4	(D)	(NA)	(NA)
3792	Travel trailers and campers	E2	44	15	1.6	15.5	1.2	2.3	9.3	27.0	47.8	75.9	1.0	2.9	40.3
38	Instruments and related products	E1	538	154	24.3	307.0	16.6	32.7	177.2	657.4	354.0	992.6	31.6	23.0	409.4
3811	Engineering and scientific instruments	E1	45	14	1.5	21.3	1.0	2.1	12.2	41.9	21.6	64.4	1.3	2.1	40.8
382	Measuring and controlling devices	-	140	54	11.4	149.1	8.0	16.0	89.3	310.0	157.0	454.3	11.8	10.0	175.6
3822	Environmental controls	-	18	6	4.8	58.0	3.9	7.2	40.9	104.6	51.8	148.6	(D)	4.6	66.5
3825	Instruments to measure electricity	-	35	14	3.1	42.7	2.1	4.5	26.6	92.8	52.0	141.6	3.9	(NA)	(NA)
3829	Measuring and controlling devices, n.e.c.	-	51	12	0.8	10.8	0.5	1.0	5.7	21.3	9.9	31.1	0.6	1.2	20.5
3832	Optical instruments and lenses	-	40	19	2.1	31.5	1.1	2.0	13.5	53.9	26.4	79.8	2.5	2.2	34.0
384	Medical instruments and supplies	E1	179	35	6.5	69.6	4.6	9.2	41.7	172.9	93.6	261.1	11.9	5.6	101.6
3841	Surgical and medical instruments	E1	54	9	2.2	22.5	1.7	3.2	13.4	63.5	29.2	91.4	6.9	2.4	39.2
3851	Ophthalmic goods	E4	33	7	0.5	4.5	0.3	0.6	2.9	8.1	3.8	11.8	0.8	0.4	4.5

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
38	Los Angeles-Long Beach SMSA—Con.														
	Instruments and related products—Con.														
3861	Photographic equipment and supplies	E2	86	24	2.2	29.6	1.5	2.6	16.6	67.9	48.0	114.9	3.2	(NA)	(NA)
39	Miscellaneous manufacturing industries ---	E1	1 086	228	22.8	236.1	16.9	31.9	133.1	653.7	513.6	1 156.3	24.0	22.0	368.9
3911	Jewelry, precious metal -	E1	150	20	1.6	17.0	1.3	2.4	11.0	39.6	43.4	80.7	0.5	0.9	13.9
394	Toys and sporting goods --	-	221	67	9.0	91.5	6.2	11.8	45.0	313.8	245.6	556.5	8.7	8.6	159.4
3942	Dolls	-	8	4	0.5	3.6	0.4	0.7	2.2	8.6	8.3	17.2	(D)	(NA)	(NA)
3944	Games, toys, and children's vehicles ----	-	63	16	4.7	55.3	2.7	5.3	21.7	208.4	153.6	361.6	4.3	(NA)	(NA)
3949	Sporting and athletic goods, n.e.c.	E1	150	47	3.8	32.6	3.2	5.8	21.2	96.8	83.7	177.7	(D)	2.9	46.0
395	Pens, pencils, office and art supplies	-	64	22	2.5	27.6	1.9	3.9	17.9	84.0	74.7	156.0	7.6	2.5	51.8
3953	Marking devices	E1	28	9	0.4	4.8	0.3	0.5	2.5	9.9	5.1	14.9	0.2	(NA)	(NA)
396	Costume jewelry and notions	E1	88	25	1.7	13.0	1.3	2.5	8.2	29.6	19.9	48.7	(D)	1.5	16.6
399	Miscellaneous manufactures	E2	503	81	6.6	71.9	5.1	9.0	41.6	147.7	99.3	245.0	4.2	6.6	96.8
3991	Brooms and brushes ---	-	23	8	0.6	6.7	0.4	0.9	3.5	12.4	11.8	24.1	0.8	(NA)	(NA)
3993	Signs and advertising displays	E1	155	27	2.4	30.4	1.7	2.9	15.8	61.2	30.4	90.9	1.1	2.5	41.0
3999	Manufacturing industries, n.e.c.	E4	311	41	3.3	32.2	2.7	4.8	20.5	70.1	51.6	120.6	2.2	3.0	42.4
	Modesto SMSA	-	303	105	18.8	242.1	14.6	27.4	167.6	626.4	1 257.7	1 865.9	55.3	15.6	318.8
20	Food and kindred products --	-	76	40	12.1	146.5	9.8	17.9	106.9	380.4	939.9	1 306.4	39.9	9.9	182.0
201	Meat products	-	15	8	1.7	14.8	1.5	2.4	11.5	30.8	120.9	152.3	(D)	1.6	14.2
2016	Poultry dressing plants --	-	6	5	1.5	12.4	1.4	2.1	9.5	25.4	83.5	109.1	(D)	1.3	10.3
203	Preserved fruits and vegetables	-	17	14	7.1	82.6	6.5	12.0	71.2	194.6	387.4	572.5	25.1	6.9	129.6
2033	Canned fruits and vegetables	-	11	9	4.3	52.0	4.0	7.2	46.0	129.2	229.0	348.7	16.4	3.8	80.5
24	Lumber and wood products --	E1	26	6	0.5	5.4	0.5	1.1	4.5	5.3	12.2	17.9	0.7	0.4	5.9
26	Paper and allied products ---	-	9	8	1.2	19.5	0.9	2.0	14.4	77.4	127.2	203.4	5.0	1.0	26.4
2653	Corrugated and solid fiber boxes	-	4	4	0.4	6.5	0.3	0.5	4.3	17.3	38.1	55.1	1.8	(NA)	(NA)
27	Printing and publishing	-	34	5	0.7	9.2	0.5	0.8	5.2	26.6	9.0	35.5	2.0	0.5	14.5
32	Stone, clay, and glass products	-	16	5	1.0	14.3	0.8	1.6	11.6	40.1	40.0	79.7	1.6	0.9	34.2
34	Fabricated metal products ---	-	33	15	1.4	19.6	1.1	2.2	14.0	58.6	91.2	147.8	2.9	1.4	37.7
344	Fabricated structural metal products	-	11	5	0.5	5.2	0.4	0.8	2.7	13.1	21.4	33.3	1.4	0.5	11.0
349	Miscellaneous fabricated metal products	E1	9	3	0.3	3.2	0.2	0.4	2.3	7.5	6.8	13.8	(D)	(NA)	(NA)
35	Machinery, except electrical -	E2	44	9	0.6	6.7	0.4	0.7	4.1	13.1	9.4	22.3	0.7	0.3	4.3
--	Administrative and auxiliary --	-	11	5	0.5	10.5	-	-	-	-	-	-	-	(NA)	(NA)
	Oxnard-Simi Valley-Ventura SMSA	-	529	139	18.9	251.9	12.2	24.1	134.0	534.7	488.0	1 003.7	41.7	14.8	288.5
20	Food and kindred products --	-	25	13	1.4	16.3	1.2	2.7	12.5	71.3	89.3	162.1	8.8	1.7	31.5
203	Preserved fruits and vegetables	-	7	7	1.1	12.6	1.0	2.4	10.7	62.3	72.3	135.3	(D)	1.3	27.4
23	Apparel and other textile products	E1	40	13	1.1	7.3	1.0	1.8	6.1	16.5	9.9	26.5	0.2	0.8	5.0
26	Paper and allied products ---	-	15	7	0.9	13.3	0.7	1.5	9.8	38.1	81.8	117.3	(D)	1.0	19.8
34	Fabricated metal products ---	-	32	7	0.5	7.3	0.4	0.7	4.9	16.4	14.7	30.5	0.8	0.3	6.3
35	Machinery, except electrical -	E1	81	14	2.2	31.7	1.4	2.5	17.9	68.9	52.1	112.9	7.2	1.3	30.4
355	Special industry machinery	-	5	3	0.5	7.3	0.3	0.4	2.6	14.2	6.2	19.4	(D)	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Oxnard-Simi Valley-Ventura SMSA—Con.														
36	Electric and electronic equipment -----	-	42	12	2.7	32.0	1.8	3.5	18.0	73.2	58.9	128.9	1.8	2.6	64.4
37	Transportation equipment ---	-	26	8	3.5	61.4	2.0	4.1	29.1	117.7	52.0	162.9	5.0	3.2	69.8
38	Instruments and related products -----	-	32	7	0.9	13.0	0.5	1.0	4.3	19.9	9.2	28.9	1.1	(NA)	(NA)
384	Medical instruments and supplies -----	-	8	3	0.6	9.7	0.3	0.7	2.7	13.5	6.3	19.7	(D)	(NA)	(NA)
39	Miscellaneous manufacturing industries ---	E6	28	4	0.3	3.1	0.2	0.5	2.0	6.7	7.0	13.4	0.3	(NA)	(NA)
	Riverside-San Bernardino-Ontario SMSA --	-	1 681	461	59.6	784.3	44.8	83.5	518.3	1 846.8	2 091.5	3 918.7	257.8	56.3	996.7
20	Food and kindred products --	E1	124	35	4.4	45.8	3.0	5.7	28.2	156.1	297.5	459.7	30.6	4.3	75.7
201	Meat products -----	E1	13	8	0.6	5.7	0.5	1.0	4.8	8.5	41.1	50.8	0.1	0.6	7.3
204	Grain mill products -----	E1	17	9	0.4	6.5	0.3	0.6	3.5	18.0	114.8	132.8	0.9	0.4	12.2
208	Beverages -----	E1	23	8	1.2	13.4	0.6	1.2	6.1	55.1	50.7	104.8	27.3	0.5	12.8
2086	Bottled and canned soft drinks -----	-	9	6	1.0	11.7	0.5	1.0	5.1	44.5	41.6	85.7	(D)	0.4	11.3
209	Miscellaneous foods and kindred products -----	-	21	6	0.5	4.0	0.4	0.6	3.0	22.3	14.5	36.8	0.5	0.3	11.5
2099	Food preparations, n.e.c. -----	-	13	3	0.4	3.2	0.3	0.5	2.5	20.5	13.8	34.3	0.2	(NA)	(NA)
22	Textile mill products-----	-	6	3	0.8	8.3	0.6	1.3	5.4	17.7	26.4	44.4	(D)	(NA)	(NA)
23	Apparel and other textile products -----	E3	94	27	2.3	14.8	2.0	3.4	11.0	28.3	24.3	51.7	0.5	1.5	17.3
233	Women's and misses' outerwear -----	E4	46	17	1.3	7.9	1.2	2.0	6.6	12.9	6.0	18.8	0.2	(NA)	(NA)
2335	Women's and misses' dresses -----	E7	27	9	0.8	4.8	0.7	1.3	3.9	7.5	3.5	11.0	0.1	0.3	1.7
2391	Curtains and draperies ---	E4	23	5	0.4	2.4	0.3	0.6	1.7	6.5	5.7	11.5	(D)	(NA)	(NA)
24	Lumber and wood products--	-	136	44	4.8	51.9	4.1	7.6	37.9	110.9	204.7	314.3	5.8	4.7	72.3
243	Millwork, plywood, and structural members-----	-	63	13	0.8	8.5	0.7	1.1	5.7	19.7	37.0	56.8	0.8	0.9	15.8
2434	Wood kitchen cabinets --	E1	41	5	0.4	3.5	0.3	0.5	2.4	4.8	5.9	10.5	0.3	0.3	3.8
245	Wood buildings and mobile homes -----	E1	38	26	3.6	38.9	3.0	5.7	28.6	82.4	157.2	238.8	4.5	3.4	49.8
2451	Mobile homes -----	E1	33	25	3.1	34.5	2.6	5.0	25.1	75.7	134.4	209.3	4.4	(NA)	(NA)
25	Furniture and fixtures -----	E1	50	10	1.0	10.2	0.9	1.6	7.8	25.3	21.7	46.4	0.5	0.8	14.3
251	Household furniture -----	E1	25	7	0.8	8.3	0.7	1.3	6.4	20.4	18.3	38.2	0.4	0.6	11.8
2512	Upholstered household furniture-----	-	6	3	0.6	6.0	0.5	0.9	4.7	15.0	12.5	27.6	(D)	(NA)	(NA)
26	Paper and allied products ---	-	16	8	1.0	14.6	0.8	1.7	11.1	39.2	49.8	89.0	3.2	1.1	24.5
265	Paperboard containers and boxes-----	-	12	5	0.8	11.2	0.6	1.2	8.4	27.5	34.8	62.5	(D)	(NA)	(NA)
27	Printing and publishing -----	E1	194	29	2.9	30.0	1.4	2.4	14.6	80.8	34.2	114.9	6.0	3.2	53.1
2711	Newspapers -----	-	46	15	1.9	17.5	0.7	1.1	6.9	56.8	15.9	72.7	3.5	2.0	36.5
2752	Commercial printing, lithographic -----	E1	36	4	0.3	3.8	0.3	0.5	2.8	6.4	4.8	11.1	0.6	(NA)	(NA)
28	Chemicals and allied products -----	-	53	14	1.0	12.9	0.6	1.3	6.4	59.3	83.3	139.7	(D)	1.3	39.3
2851	Paints and allied products -----	-	10	5	0.3	4.2	0.2	0.4	1.6	12.0	23.1	34.2	0.3	0.3	10.0
30	Rubber and miscellaneous plastics products -----	E1	89	31	2.7	27.3	2.0	3.8	17.2	73.7	64.3	136.4	(D)	1.7	20.8
3079	Miscellaneous plastics products -----	E1	78	25	2.2	23.3	1.7	3.2	14.7	62.5	47.2	109.6	(D)	1.6	20.6
32	Stone, clay, and glass products -----	-	132	55	5.6	83.7	4.4	8.5	63.2	277.2	192.8	468.1	24.2	5.5	137.1
3241	Cement, hydraulic -----	-	5	5	1.5	29.4	1.3	2.4	24.0	130.7	73.4	203.6	8.3	1.6	57.4
325	Structural clay products ---	-	10	9	0.7	9.3	0.7	1.3	8.0	23.9	13.2	35.8	0.9	0.6	11.4

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
32	Riverside-San Bernardino-Ontario SMSA—Con. Stone, clay, and glass products—Con.														
326	Pottery and related products -----	-	13	3	0.4	4.2	0.3	0.6	3.3	7.4	3.7	11.4	0.4	0.4	5.4
327	Concrete, gypsum, and plaster products -----	-	75	28	1.6	22.9	1.1	2.1	14.5	58.0	62.4	120.9	9.6	1.5	40.3
3272	Concrete products, n.e.c. -----	-	29	11	0.8	10.3	0.6	1.2	7.0	27.0	19.5	47.1	(D)	0.5	20.7
3273	Ready-mixed concrete --	E1	39	15	0.7	11.1	0.4	0.8	6.6	27.4	40.5	67.8	7.0	0.9	17.5
329	Miscellaneous nonmetallic mineral products -----	-	17	8	1.2	16.2	0.9	1.9	12.1	54.0	36.7	90.1	4.9	1.3	22.0
33	Primary metal industries ----	-	47	24	9.6	191.0	7.5	14.0	133.9	360.7	429.8	776.2	(D)	11.3	193.6
332	Iron and steel foundries ---	-	6	4	0.6	8.0	0.5	0.9	6.1	17.0	14.1	31.2	(D)	0.7	10.8
3341	Secondary nonferrous metals -----	-	11	6	0.3	3.7	0.2	0.5	2.6	10.9	60.1	71.5	(D)	0.3	4.3
336	Nonferrous foundries -----	E1	12	7	0.7	7.9	0.6	1.0	4.8	13.9	7.7	21.3	(D)	0.5	6.9
34	Fabricated metal products ---	-	175	56	4.5	58.0	3.6	7.0	41.3	121.5	170.4	290.1	10.6	4.3	70.1
343	Plumbing and heating, except electric -----	E1	6	4	0.3	3.2	0.3	0.4	2.0	8.3	8.2	16.6	(D)	0.4	7.7
344	Fabricated structural metal products -----	E1	79	25	2.1	27.7	1.7	3.3	20.3	53.5	67.7	120.6	6.0	1.8	25.6
3441	Fabricated structural metal -----	E1	15	5	1.0	15.2	0.8	1.6	12.1	24.0	23.6	47.4	4.5	(NA)	(NA)
3444	Sheet metal work -----	E2	20	6	0.3	3.5	0.2	0.3	1.9	8.2	12.1	20.1	0.3	(NA)	(NA)
345	Screw machine products, bolts, etc. -----	-	10	4	0.3	3.0	0.2	0.5	2.1	7.7	3.8	11.5	0.8	0.4	5.7
346	Metal forgings and stampings -----	-	13	4	0.3	3.7	0.2	0.4	2.3	10.4	10.6	21.1	0.9	(NA)	(NA)
347	Metal services, n.e.c. -----	-	29	8	0.4	4.8	0.3	0.6	2.9	11.4	9.4	20.7	0.4	0.4	7.3
349	Miscellaneous fabricated metal products -----	-	20	4	0.3	3.6	0.2	0.5	2.3	10.5	7.1	17.2	(D)	0.3	5.9
352	Farm and garden machinery -----	E2	13	3	0.3	3.5	0.3	0.5	2.3	9.5	12.1	19.2	0.4	(NA)	(NA)
353	Construction and related machinery -----	-	13	7	0.6	7.5	0.4	0.8	4.4	24.0	12.6	37.8	1.3	(NA)	(NA)
354	Metalworking machinery ---	E1	49	5	0.8	11.1	0.6	1.0	6.8	16.2	14.1	29.7	(D)	(NA)	(NA)
36	Electric and electronic equipment -----	-	57	16	4.8	55.2	3.4	6.6	30.5	113.2	63.6	175.5	3.4	4.0	66.6
367	Electronic components and accessories -----	E1	28	7	2.9	32.4	1.9	3.9	14.9	57.0	27.6	83.9	(D)	(NA)	(NA)
369	Miscellaneous electrical equipment and supplies --	-	10	3	0.3	3.8	0.2	0.4	1.5	8.9	9.3	17.7	0.3	(NA)	(NA)
37	Transportation equipment ---	-	120	48	8.2	101.2	6.7	11.4	71.5	244.3	321.1	566.8	9.2	8.0	141.1
371	Motor vehicles and equipment -----	-	44	17	3.0	35.2	2.5	4.5	25.7	80.3	218.6	293.0	2.9	1.2	23.0
3716	Motor homes produced on purchased chassis --	-	8	8	1.1	14.3	1.0	1.7	10.2	27.9	90.7	120.7	(D)	(NA)	(NA)
38	Instruments and related products -----	-	45	12	1.0	10.9	0.7	1.3	5.5	31.4	15.0	45.2	1.9	0.5	10.1
384	Medical instruments and supplies -----	-	17	5	0.7	6.9	0.5	0.8	3.6	20.7	9.7	29.2	0.9	0.4	7.9
	Sacramento SMSA -----	-	876	210	25.6	352.6	18.2	35.7	216.9	978.3	1 376.7	2 331.1	54.5	21.9	546.2
20	Food and kindred products --	-	79	36	7.2	99.6	5.4	10.5	68.0	310.9	667.0	961.7	15.0	6.9	191.3
202	Dairy products -----	-	11	4	0.6	10.1	0.3	0.6	5.6	20.7	132.2	152.6	(D)	0.6	15.9
203	Preserved fruits and vegetables -----	-	15	7	3.5	46.3	3.1	5.9	38.2	148.3	233.1	377.6	6.9	3.6	108.1
204	Grain mill products -----	-	14	8	0.8	13.1	0.6	1.2	9.4	60.3	145.3	196.3	2.5	0.6	20.4
2044	Rice milling -----	-	6	5	0.6	9.2	0.5	0.9	6.7	46.0	122.1	158.9	(D)	0.4	14.7
206	Sugar and confectionery products -----	-	3	3	0.6	6.5	0.5	1.1	5.2	22.1	47.2	67.2	(D)	(NA)	(NA)
208	Beverages -----	E1	10	6	0.5	7.2	0.2	0.4	2.1	22.3	36.6	58.4	1.4	0.5	11.7
209	Miscellaneous foods and kindred products -----	E2	15	2	0.3	2.6	0.2	0.4	1.7	7.9	14.8	22.7	0.5	(NA)	(NA)
24	Lumber and wood products --	E1	134	50	4.4	49.6	3.8	7.7	39.0	99.6	180.4	279.0	11.8	3.1	49.2
242	Sawmills and planing mills --	E1	14	10	0.9	10.8	0.9	1.8	10.0	27.6	36.6	64.2	3.1	0.9	18.8
2421	Sawmills and planing mills, general -----	E1	14	10	0.9	10.8	0.9	1.8	10.0	27.6	36.6	64.2	3.1	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expen- ditures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Sacramento SMSA—Con.														
24	Lumber and wood products— Con.														
243	Millwork, plywood, and structural members-----	E1	68	18	1.0	11.2	0.9	2.0	8.3	19.5	40.9	60.5	1.6	1.1	14.3
2431	Millwork-----	-	28	12	0.6	7.0	0.6	1.1	5.6	12.3	33.0	45.5	1.3	0.8	12.0
2434	Wood kitchen cabinets--	E2	33	4	0.3	3.5	0.2	0.8	2.2	5.7	5.5	11.2	0.2	(NA)	(NA)
245	Wood buildings and mobile homes-----	E2	15	14	1.7	19.5	1.4	2.8	14.4	41.0	74.4	114.9	5.8	0.8	10.8
2451	Mobile homes-----	E2	11	10	1.4	15.4	1.2	2.3	11.4	32.4	63.3	95.2	5.0	(NA)	(NA)
2452	Prefabricated wood buildings-----	E5	4	4	0.3	4.1	0.2	0.5	3.0	8.6	11.0	19.7	0.8	(NA)	(NA)
249	Miscellaneous wood products-----	E1	14	4	0.3	3.8	0.3	0.5	2.9	4.4	17.7	21.3	(D)	(NA)	(NA)
26	Paper and allied products---	-	9	6	0.8	13.6	0.7	1.5	10.1	59.0	41.3	100.4	3.5	0.7	20.0
27	Printing and publishing-----	-	147	17	2.4	32.5	1.1	2.0	14.9	65.4	30.5	95.7	2.7	2.0	36.0
2711	Newspapers-----	-	25	6	1.6	23.5	0.6	1.0	9.0	49.5	15.2	64.7	1.8	1.5	27.1
275	Commercial printing-----	E2	89	10	0.7	7.9	0.5	0.9	5.1	13.4	13.9	27.2	0.8	0.4	7.7
2752	Commercial printing, lithographic-----	-	38	8	0.4	5.5	0.3	0.6	3.4	9.2	11.4	20.5	0.6	(NA)	(NA)
28	Chemicals and allied products-----	-	19	4	0.6	11.5	0.4	0.8	7.1	64.4	90.3	151.4	(D)	0.5	35.9
30	Rubber and miscellaneous plastics products-----	-	22	7	0.7	8.9	0.5	1.0	4.9	48.2	35.8	83.8	1.1	(NA)	(NA)
32	Stone, clay, and glass products-----	-	50	17	1.1	15.2	0.8	1.7	10.6	30.8	34.2	64.9	2.5	0.9	20.3
325	Structural clay products---	-	3	3	0.4	5.0	0.3	0.7	4.0	8.3	6.7	15.1	(D)	(NA)	(NA)
327	Concrete, gypsum, and plaster products-----	E1	32	11	0.5	8.9	0.4	0.8	5.7	19.4	25.8	45.1	2.1	0.4	11.4
3273	Ready-mixed concrete---	E1	17	5	0.3	5.2	0.2	0.3	2.9	12.9	16.3	29.2	1.5	(NA)	(NA)
34	Fabricated metal products---	-	73	24	1.9	29.4	1.6	3.2	21.8	110.7	153.5	263.8	3.2	1.4	45.4
341	Metal cans and shipping containers-----	-	5	5	0.8	14.1	0.7	1.4	12.2	80.1	105.5	185.2	(D)	0.5	29.8
3411	Metal cans-----	-	5	5	0.8	14.1	0.7	1.4	12.2	80.1	105.5	185.2	(D)	0.5	29.8
344	Fabricated structural metal products-----	-	35	14	0.9	12.1	0.7	1.3	7.5	23.6	39.7	63.6	1.6	0.7	13.0
3442	Metal doors, sash, and trim-----	-	7	2	0.3	3.4	0.2	0.5	2.1	4.5	6.7	11.5	(D)	(NA)	(NA)
35	Machinery, except electrical	E1	82	9	1.0	14.8	0.7	1.3	8.1	33.3	20.7	53.6	1.9	0.8	17.2
359	Miscellaneous machinery, except electrical-----	E3	48	3	0.3	3.5	0.2	0.4	2.4	6.5	3.5	10.0	0.3	(NA)	(NA)
37	Transportation equipment---	-	53	13	2.8	49.2	1.2	2.4	15.6	103.6	57.2	161.1	2.9	3.4	87.8
	Salinas-Seaside-Monterey SMSA-----	-	234	57	8.9	108.1	6.9	13.2	76.3	315.2	360.2	671.9	26.7	7.5	217.8
20	Food and kindred products--	E2	42	20	3.9	42.9	3.2	6.2	32.1	147.7	200.8	355.1	12.5	4.0	95.4
203	Preserved fruits and vegetables-----	-	12	8	2.0	19.5	1.7	3.1	16.1	46.6	64.4	110.9	4.7	1.7	22.1
2037	Frozen fruits and vegetables-----	-	5	5	1.2	12.0	1.1	2.1	10.2	29.1	30.9	59.8	2.1	(NA)	(NA)
206	Sugar and confectionery products-----	-	4	3	1.0	11.2	0.8	1.7	8.8	44.6	80.0	127.3	(D)	1.0	37.6
27	Printing and publishing-----	E1	45	5	0.6	7.3	0.3	0.6	3.9	17.5	5.1	22.5	1.0	0.4	9.9
2711	Newspapers-----	E1	9	4	0.4	5.2	0.2	0.4	2.4	11.2	2.4	13.7	0.8	(NA)	(NA)
327	Concrete, gypsum, and plaster products-----	-	9	5	0.3	4.1	0.2	0.4	3.3	10.7	12.1	22.8	0.7	(NA)	(NA)
	San Diego SMSA-----	-	2 013	464	79.1	1 101.8	51.2	97.5	563.3	2 173.9	1 986.1	4 122.6	119.4	64.9	1 185.2
20	Food and kindred products--	-	92	35	5.6	72.0	3.4	6.9	40.1	183.8	444.1	628.1	11.7	4.4	71.7
201	Meat products-----	-	12	7	0.3	5.7	0.2	0.5	4.6	12.9	106.9	119.7	(D)	0.3	8.4
202	Dairy products-----	-	9	4	0.4	3.9	0.2	0.3	1.7	6.2	34.1	40.3	0.4	0.6	12.3
2026	Fluid milk-----	-	6	4	0.4	3.8	0.2	0.3	1.6	6.1	33.8	39.8	(D)	0.6	12.3

See footnotes at end of table.

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[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Includes industry group 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 2693, 2694, 2695, 2696, 2697, 2698, 2699, 2700, 2701, 2702, 2703, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2711, 2712, 2713, 2714, 2715, 2716, 2717, 2718, 2719, 2720, 2721, 2722, 2723, 2724, 2725, 2726, 2727, 2728, 2729, 2730, 2731, 2732, 2733, 2734, 2735, 2736, 2737, 2738, 2739, 2740, 2741, 2742, 2743, 2744, 2745, 2746, 2747, 2748, 2749, 2750, 2751, 2752, 2753, 2754, 2755, 2756, 2757, 2758, 2759, 2760, 2761, 2762, 2763, 2764, 2765, 2766, 2767, 2768, 2769, 2770, 2771, 2772, 2773, 2774, 2775, 2776, 2777, 2778, 2779, 2780, 2781, 2782, 2783, 2784, 2785, 2786, 2787, 2788, 2789, 2790, 2791, 2792, 2793, 2794, 2795, 2796, 2797, 2798, 2799, 2800, 2801, 2802, 2803, 2804, 2805, 2806, 2807, 2808, 2809, 2810, 2811, 2812, 2813, 2814, 2815, 2816, 2817, 2818, 2819, 2820, 2821, 2822, 2823, 2824, 2825, 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2992, 2993, 2994, 2995, 2996, 2997, 2998, 2999, 3000, 3001, 3002, 3003, 3004, 3005, 3006, 3007, 3008, 3009, 3010, 3011, 3012, 3013, 3014, 3015, 3016, 3017, 3018, 3019, 3020, 3021, 3022, 3023, 3024, 3025, 3026, 3027, 3028, 3029, 3030, 3031, 3032, 3033, 3034, 3035, 3036, 3037, 3038, 3039, 3040, 3041, 3042, 3043, 3044, 3045, 3046, 3047, 3048, 3049, 3050, 3051, 3052, 3053, 3054, 3055, 3056, 3057, 3058, 3059, 3060, 3061, 3062, 3063, 3064, 3065, 3066, 3067, 3068, 3069, 3070, 3071, 3072, 3073, 3074, 3075, 3076, 3077, 3078, 3079, 3080, 3081, 3082, 3083, 3084, 3085, 3086, 3087, 3088, 3089, 3090, 3091, 3092, 3093, 3094, 3095, 3096, 3097, 3098, 3099, 3100, 3101, 3102, 3103, 3104, 3105, 3106, 3107, 3108, 3109, 3110, 3111, 3112, 3113, 3114, 3115, 3116, 3117, 3118, 3119, 3120, 3121, 3122, 3123, 3124, 3125, 3126, 3127, 3128, 3129, 3130, 3131, 3132, 3133, 3134, 3135, 3136, 3137, 3138, 3139, 3140, 3141, 3142, 3143, 3144, 3145, 3146, 3147, 3148, 3149, 3150, 3151, 3152, 3153, 3154, 3155, 3156, 3157, 3158, 3159, 3160, 3161, 3162, 3163, 3164, 3165, 3166, 3167, 3168, 3169, 3170, 3171, 3172, 3173, 3174, 3175, 3176, 3177, 3178, 3179, 3180, 3181, 3182, 3183, 3184, 3185, 3186, 3187, 3188, 3189, 3190, 3191, 3192, 3193, 3194, 3195, 3196, 3197, 3198, 3199, 3200, 3201, 3202, 3203, 3204, 3205, 3206, 3207, 3208, 3209, 3210, 3211, 3212, 3213, 3214, 3215, 3216, 3217, 3218, 3219, 3220, 3221, 3222, 3223, 3224, 3225, 3226, 3227, 3228, 3229, 3230, 3231, 3232, 3233, 3234, 3235, 3236, 3237, 3238, 3239, 3240, 3241, 3242, 3243, 3244, 3245, 3246, 3247, 3248, 3249, 3250, 3251, 3252, 3253, 3254, 3255, 3256, 3257, 3258, 3259, 3260, 3261, 3262, 3263, 3264, 3265, 3266, 3267, 3268, 3269, 3270, 3271, 3272, 3273, 3274, 3275, 3276, 3277, 3278, 3279, 3280, 3281, 3282, 3283, 3284, 3285, 3286, 3287, 3288, 3289, 3290, 3291, 3292, 3293, 3294, 3295, 3296, 3297, 3298, 3299, 3300, 3301, 3302, 3303, 3304, 3305, 3306, 3307, 3308, 3309, 3310, 3311, 3312, 3313, 3314, 3315, 3316, 3317, 3318, 3319, 3320, 3321, 3322, 3323, 3324, 3325, 3326, 3327, 3328, 3329, 3330, 3331, 3332, 3333, 3334, 3335, 3336, 3337, 3338, 3339, 3340, 3341, 3342, 3343, 3344, 3345, 3346, 3347, 3348, 3349, 3350, 3351, 3352, 3353, 3354, 3355, 3356, 3357, 3358, 3359, 3360, 3361, 3362, 3363, 3364, 3365, 3366, 3367, 3368, 3369, 3370, 3371, 3372, 3373, 3374, 3375, 3376, 3377, 3378, 3379, 3380, 3381, 3382, 3383, 3384, 3385, 3386, 3387, 3388, 3389, 3390, 3391, 3392, 3393, 3394, 3395, 3396, 3397, 3398, 3399, 3400, 3401, 3402, 3403, 3404, 3405, 3406, 3407, 3408, 3409, 3410, 3411, 3412, 3413, 3414, 3415, 3416, 3417, 3418, 3419, 3420, 3421, 3422, 3423, 3424, 3425, 3426, 3427, 3428, 3429, 3430, 3431, 3432, 3433, 3434, 3435, 3436, 3437, 3438, 3439, 3440, 3441, 3442, 3443, 3444, 3445, 3446, 3447, 3448, 3449, 3450, 3451, 3452, 3453, 3454, 3455, 3456, 3457, 3458, 3459, 3460, 3461, 3462, 3463, 3464, 3465, 3466, 3467, 3468, 3469, 3470, 3471, 3472, 3473, 3474, 3475, 3476, 3477, 3478, 3479, 3480, 3481, 3482, 3483, 3484, 3485, 3486, 3487, 3488, 3489, 3490, 3491, 3492, 3493, 3494, 3495, 3496, 3497, 3498, 3499, 3500, 3501, 3502, 3503, 3504, 3505, 3506, 3507, 3508, 3509, 3510, 3511, 3512, 3513, 3514, 3515, 3516, 3517, 3518, 3519, 3520, 3521, 3522, 3523, 3524, 3525, 3526, 3527, 3528, 3529, 3530, 3531, 3532, 3533, 3534, 3535, 3536, 3537, 3538, 3539, 3540, 3541, 3542, 3543, 3544, 3545, 3546, 3547, 3548, 3549, 3550, 3551, 3552, 3553, 3554, 3555, 3556, 3557, 3558, 3559, 3560, 3561, 3562, 3563, 3564, 3565, 3566, 3567, 3568, 3569, 3570, 3571, 3572, 3573, 3574, 3575, 3576, 3577, 3578, 3579, 3580, 3581, 3582, 3583, 3584, 3585, 3586, 3587, 3588, 3589, 3590, 3591, 3592, 3593, 3594, 3595, 3596, 3597, 3598, 3599, 3600, 3601, 3602, 3603, 3604, 3605, 3606, 3607, 3608, 3609, 3610, 3611, 3612, 3613, 3614, 3615, 3616, 3617, 3618, 3619, 3620, 3621, 3622, 3623, 3624, 3625, 3626, 3627, 3628, 3629, 3630, 3631, 3632, 3633, 3634, 3635, 3636, 3637, 3638, 3639, 3640, 3641, 3642, 3643, 3644, 3645, 3646, 3647, 3648, 3649, 3650, 3651, 3652, 3653, 3654, 3655, 3656, 3657, 3658, 3659, 3660, 3661, 3662, 3663, 3664, 3665, 3666, 3667, 3668, 3669, 3670, 3671, 3672, 3673, 3674, 3675, 3676, 3677, 3678, 3679, 3680, 3681, 3682, 3683, 3684, 3685, 3686, 3687, 3688, 3689, 3690, 3691, 3692, 3693, 3694, 3695, 3696, 3697, 3698, 3699, 3700, 3701, 3702, 3703, 3704, 3705, 3706, 3707, 3708, 3709, 3710, 3711, 3712, 3713, 3714, 3715, 3716, 3717, 3718, 3719, 3720, 3721, 3722, 3723, 3724, 3725, 3726, 3727, 3728, 3729, 3730, 3731, 3732, 3733, 3734, 3735, 3736, 3737, 3738, 3739, 3740, 3741, 3742, 3743, 3744, 3745, 3746, 3747, 3748, 3749, 3750, 3751, 3752, 3753, 3754, 3755, 3756, 3757, 3758, 3759, 3760, 3761, 3762, 3763, 3764, 3765, 3766, 3767, 3768, 3769, 3770, 3771, 3772, 3773, 3774, 3775, 3776, 3777, 3778, 3779, 3780, 3781, 3782, 3783, 3784, 3785, 3786, 3787, 3788, 3789, 3790, 3791, 3792, 3793, 3794, 3795, 3796, 3797, 3798, 3799, 3800, 3801, 3802, 3803, 3804, 3805, 3806, 3807, 3808, 3809, 3810, 3811, 3812, 3813, 3814, 3815, 3816, 3817, 3818, 3819, 3820, 3821, 3822, 3823, 3824, 3825, 3826, 3827, 3828, 3829, 3830, 3831, 3832, 3833, 3834, 3835, 3836, 3837, 3838, 3839, 3840, 3841, 3842, 3843, 3844, 3845, 3846, 3847, 3848, 3849, 3850, 3851, 3852, 3853, 3854, 3855, 3856, 3857, 3858, 3859, 3860, 3861, 3862, 3863, 3864, 3865, 3866, 3867, 3868, 3869, 3870, 3871, 3872, 3873, 3874, 3875, 3876, 3877, 3878, 3879, 3880, 3881, 3882, 3883, 3884, 3885, 3886, 3887, 3888, 3889, 3890, 3891, 3892, 3893, 3894, 3895, 3896, 3897, 3898, 3899, 3900, 3901, 3902, 3903, 3904, 3905, 3906, 3907, 3908, 3909, 3910, 3911, 3912, 3913, 3914, 3915, 3916, 3917, 3918, 3919, 3920, 3921, 3922, 3923, 3924, 3925, 3926, 3927, 3928, 3929, 3930, 3931, 3932, 3933, 3934, 3935, 3936, 3937, 3938, 3939, 3940, 3941, 3942, 3943, 3944, 3945, 3946, 3947, 3948, 3949, 3950, 3951, 3952, 3953, 3954, 3955, 3956, 3957, 3958, 3959, 3960, 3961, 3962, 3963, 3964, 3965, 3966, 3967, 3968, 3969, 3970, 3971, 3972, 3973, 3974, 3975, 3976, 3977, 3978, 3979, 3980, 3981, 3982, 3983, 3984, 3985, 3986, 3987, 3988, 3989, 3990, 3991, 3992, 3993, 3994, 3995, 3996, 3997, 3998, 3999, 4000, 4001, 4002, 4003, 4004, 4005, 4006, 4007, 4008, 4009, 4010, 4011, 4012, 4013, 4014, 4015, 4016, 4017, 4018, 4019, 4020, 4021, 4022, 4023, 4024, 4025, 4026, 4027, 4028, 4029, 4030, 4031, 4032, 4033, 4034, 4035, 4036, 4037, 4038, 4039, 4040, 4041, 4042, 4043, 4044, 4045, 4046, 4047, 4048, 4049, 4050, 4051, 4052, 4053, 4054, 4055, 4056, 4057, 4058, 4059, 4060, 4061															
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See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital ex- pend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	San Diego SMSA—Con.														
37	Transportation equipment ---	-	118	39	22.4	356.1	15.6	29.5	197.2	543.7	380.1	934.5	20.8	24.1	464.0
372	Aircraft and parts -----	-	23	12	9.4	158.5	6.0	11.0	86.1	219.4	116.2	344.3	14.1	(NA)	(NA)
3724	Aircraft engines and engine parts -----	-	5	4	0.5	8.4	0.4	0.7	6.4	14.2	8.7	22.8	(D)	(NA)	(NA)
373	Ship and boat building and repairing -----	-	42	18	9.4	130.3	7.9	15.4	92.6	199.2	190.3	389.5	4.6	3.5	54.4
3731	Ship building and repairing -----	-	18	13	8.9	124.6	7.6	14.9	89.5	186.6	179.9	366.5	(D)	3.2	49.0
3732	Boat building and repairing -----	-	24	5	0.4	5.7	0.3	0.5	3.0	12.6	10.5	23.1	(D)	0.3	5.4
38	Instruments and related products -----	-	99	33	4.6	52.6	3.0	6.0	29.2	121.1	53.7	171.1	12.9	1.8	42.9
3811	Engineering and scientific instruments --	E1	10	5	0.3	3.9	0.2	0.3	1.9	7.7	4.0	11.2	0.2	(NA)	(NA)
382	Measuring and controlling devices -----	-	37	19	2.6	32.0	1.5	3.1	17.1	75.8	33.7	107.6	10.3	1.0	23.8
3823	Process control instruments -----	-	6	4	0.4	4.6	0.2	0.6	2.3	11.3	5.9	17.2	(D)	(NA)	(NA)
384	Medical instruments and supplies -----	E2	31	5	0.7	6.9	0.5	1.1	4.4	11.7	8.4	20.4	0.8	0.3	7.7
3843	Dental equipment and supplies -----	-	11	2	0.4	4.4	0.3	0.7	2.9	6.9	4.5	11.3	0.6	(NA)	(NA)
39	Miscellaneous manufacturing industries ---	E2	157	31	2.4	23.1	1.7	3.4	13.4	57.3	39.4	95.4	3.1	1.3	16.1
394	Toys and sporting goods --	E2	58	13	1.1	10.8	0.8	1.7	6.0	28.3	20.1	47.4	1.6	0.7	8.1
3949	Sporting and athletic goods, n.e.c. -----	E2	51	10	0.9	8.4	0.7	1.4	4.8	21.7	14.8	36.0	1.4	0.6	7.0
399	Miscellaneous manufactures -----	E2	69	12	0.7	7.8	0.5	1.0	4.7	15.5	11.0	26.3	0.4	0.5	6.6
3999	Manufacturing industries, n.e.c. -----	E4	42	7	0.3	3.0	0.3	0.5	1.9	7.1	5.9	12.9	0.2	(NA)	(NA)
-	Administrative and auxiliary --	-	25	11	0.8	14.3	-	-	-	-	-	-	-	(NA)	(NA)
	San Francisco-Oakland SMSA -----	-	5 780	1 538	193.3	3 046.2	119.2	231.9	1 611.3	6 817.2	11 077.2	17 761.3	377.2	184.8	3 807.9
20	Food and kindred products --	-	427	169	22.9	342.1	15.6	29.4	209.9	1 141.7	2 349.3	3 476.2	58.2	25.1	799.8
201	Meat products -----	E2	44	19	1.3	20.1	1.0	2.0	13.3	45.6	119.2	164.7	(D)	1.8	35.7
2013	Sausages and other prepared meats-----	E2	29	15	1.1	17.5	0.8	1.6	11.2	39.7	90.6	130.0	(D)	1.1	20.8
202	Dairy products -----	-	35	18	1.9	29.2	0.8	1.5	12.5	85.8	305.7	387.3	3.8	1.7	50.2
2026	Fluid milk -----	-	20	8	1.3	22.1	0.5	0.9	8.5	67.0	241.4	307.5	3.3	1.3	40.4
203	Preserved fruits and vegetables -----	-	50	23	4.6	57.8	3.9	7.1	45.6	162.5	271.5	436.4	6.5	5.6	135.1
2032	Canned specialties -----	-	11	4	0.9	11.0	0.7	1.4	8.5	39.6	52.2	92.0	2.7	(NA)	(NA)
2033	Canned fruits and vegetables -----	-	14	8	2.7	32.9	2.4	4.3	27.3	79.1	139.0	219.6	2.3	3.4	72.2
2035	Pickles, sauces, and salad dressings-----	-	12	6	0.6	9.2	0.5	1.0	7.1	35.8	69.3	105.9	1.2	0.7	21.7
2038	Frozen specialties -----	-	7	3	0.3	4.0	0.2	0.4	2.2	6.7	9.1	15.7	0.2	0.4	8.5
204	Grain mill products-----	-	15	7	0.9	13.9	0.8	1.5	10.6	74.5	111.3	185.0	(D)	1.1	53.3
205	Bakery products -----	-	91	31	6.0	100.5	3.1	5.9	47.3	218.3	136.5	354.8	13.8	6.0	138.3
2051	Bread, cake, and related products -----	-	72	25	4.4	74.9	2.1	4.0	33.3	149.1	92.7	241.7	(D)	4.6	100.2
2052	Cookies and crackers ---	-	19	6	1.7	25.5	1.0	2.0	14.0	69.1	43.9	113.1	(D)	1.4	38.1
206	Sugar and confectionery products -----	-	32	18	2.9	40.7	2.4	4.5	30.4	140.5	300.4	436.9	12.4	3.2	81.7
2065	Confectionery products --	-	24	12	1.3	13.9	1.1	2.1	10.8	41.3	33.1	74.1	(D)	1.6	25.6
207	Fats and oils -----	-	13	6	0.5	8.3	0.4	0.8	5.9	52.5	274.4	325.5	2.3	0.7	32.2
208	Beverages -----	-	48	21	1.6	25.9	1.1	2.0	16.2	150.3	187.0	337.2	4.4	2.1	139.9
2086	Bottled and canned soft drinks -----	-	22	11	0.7	12.1	0.5	0.9	6.7	42.5	101.7	144.1	2.0	0.7	24.8
209	Miscellaneous foods and kindred products-----	-	99	26	3.2	45.7	2.2	4.0	28.0	211.8	643.2	848.3	11.7	3.0	133.5
2099	Food preparations, n.e.c. -----	-	62	15	1.6	20.9	1.1	1.9	11.8	68.3	72.6	139.7	3.7	1.4	38.9
22	Textile mill products-----	E3	40	6	0.4	3.9	0.3	0.6	2.7	9.3	11.4	20.5	0.5	0.7	9.4
23	Apparel and other textile products -----	E1	527	127	10.4	78.6	9.0	15.1	55.2	243.0	302.4	543.3	4.1	9.2	98.7

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Includes industry groups and SMSA's, see appendix A. For explanation of terms, see appendix B)															
SIC code	SMSA and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	San Francisco-Oakland SMSA—Con.														
23	Apparel and other textile products—Con.														
233	Women's and misses' outerwear -----	E1	337	80	6.8	51.3	5.8	9.7	34.9	124.5	125.4	249.8	2.3	6.1	69.3
2331	Women's and misses' blouses and waists ----	-	55	18	1.4	14.0	1.1	1.7	6.9	45.8	56.3	101.8	(D)	0.7	10.0
2335	Women's and misses' dresses -----	E3	224	37	2.8	17.6	2.5	4.3	13.6	36.7	29.2	66.1	(D)	2.9	30.0
2337	Women's and misses' suits and coats -----	E4	27	10	1.3	10.5	1.2	2.1	7.9	18.2	16.3	35.0	(D)	1.2	13.5
2339	Women's and misses' outerwear, n.e.c. -----	-	31	15	1.2	9.2	1.0	1.7	6.6	23.9	23.6	46.8	(D)	1.3	15.8
2391	Curtains and draperies --	E4	57	7	0.6	4.2	0.5	0.9	3.1	7.6	8.4	15.9	(D)	0.8	6.3
24	Lumber and wood products --	E2	187	29	2.2	30.0	1.9	3.6	23.1	56.0	49.8	105.5	5.8	1.8	26.3
243	Millwork, plywood, and structural members -----	E2	98	19	1.2	18.5	1.0	1.9	14.0	29.3	26.5	55.6	4.1	1.0	14.1
2431	Millwork -----	E4	39	6	0.5	6.0	0.4	0.7	4.1	10.7	14.0	24.3	3.8	0.3	5.3
2434	Wood kitchen cabinets --	E1	53	11	0.6	10.8	0.5	1.0	8.5	15.8	8.5	24.3	0.3	0.6	7.5
249	Miscellaneous wood products -----	-	44	5	0.7	8.1	0.6	1.2	6.5	19.2	16.4	35.5	1.1	0.5	7.6
25	Furniture and fixtures -----	E1	177	49	3.6	46.2	2.9	5.5	31.9	88.4	72.5	159.5	1.8	4.2	69.6
251	Household furniture -----	E1	96	26	2.1	25.5	1.7	3.4	18.0	49.1	44.4	92.5	0.6	2.4	38.2
2511	Wood household furniture -----	E4	52	6	0.4	3.7	0.4	0.7	2.7	7.2	5.8	12.8	(D)	0.5	4.5
2512	Upholstered household furniture -----	E1	20	12	0.9	9.7	0.7	1.2	7.0	15.8	12.0	27.5	(D)	0.8	10.1
2515	Mattresses and bedsprings -----	-	16	8	0.9	11.9	0.7	1.5	8.2	25.8	26.2	51.5	(D)	1.0	19.4
252	Office furniture -----	-	11	2	0.3	3.4	0.3	0.5	2.4	7.2	4.6	11.8	0.4	(NA)	(NA)
254	Partitions and fixtures -----	-	46	18	0.9	14.3	0.7	1.3	9.5	26.3	19.3	45.2	0.6	1.0	18.9
2541	Wood partitions and fixtures -----	E1	36	10	0.5	7.6	0.4	0.7	5.4	12.4	6.7	19.0	(D)	(NA)	(NA)
2542	Metal partitions and fixtures -----	-	10	8	0.5	6.6	0.3	0.6	4.1	13.9	12.6	26.2	(D)	(NA)	(NA)
26	Paper and allied products ---	-	104	61	7.1	108.9	5.5	10.9	79.8	239.9	365.0	602.8	28.9	6.7	128.9
264	Miscellaneous converted paper products -----	-	60	25	3.1	41.4	2.3	4.5	28.5	106.3	124.7	229.3	(D)	2.5	44.2
2641	Paper coating and glazing -----	E1	14	5	0.9	13.0	0.7	1.4	8.3	31.0	44.7	75.1	2.1	0.7	15.8
2643	Bags, except textile bags -----	-	9	3	0.5	5.9	0.4	0.8	4.4	9.6	19.6	29.0	0.4	(NA)	(NA)
2649	Converted paper products, n.e.c. -----	-	14	4	0.3	3.4	0.2	0.3	1.6	12.7	7.5	20.3	(D)	(NA)	(NA)
265	Paperboard containers and boxes -----	-	36	29	2.6	42.2	2.1	4.2	30.7	80.0	141.0	220.2	9.3	2.9	50.8
2653	Corrugated and solid fiber boxes -----	-	21	18	1.8	29.9	1.3	2.6	20.7	54.0	112.5	166.3	8.6	1.8	32.6
2655	Fiber cans, drums, and similar products -----	-	5	4	0.3	4.6	0.3	0.6	3.8	11.5	15.0	26.2	0.5	(NA)	(NA)
27	Printing and publishing -----	-	1 071	163	17.6	252.7	9.9	17.8	133.9	543.4	321.9	856.3	20.3	16.4	344.4
2711	Newspapers -----	-	103	34	6.0	82.8	2.8	4.9	39.9	191.5	72.2	263.4	4.6	5.9	126.5
2721	Periodicals -----	E1	77	8	0.9	12.9	0.1	0.2	0.9	31.7	22.3	53.9	1.4	0.7	20.1
273	Books -----	-	98	18	2.0	30.2	0.4	0.7	5.0	77.7	38.7	111.3	2.7	1.1	35.7
2731	Book publishing -----	-	81	11	1.7	26.8	0.2	0.3	2.9	71.7	35.2	102.0	2.2	1.0	34.5
2732	Book printing -----	E1	17	7	0.3	3.4	0.2	0.3	2.2	6.0	3.4	9.4	0.5	(NA)	(NA)
2741	Miscellaneous publishing -----	E2	46	11	0.6	6.8	0.2	0.4	1.9	20.7	5.6	26.2	0.6	(NA)	(NA)
275	Commercial printing -----	E1	593	65	6.4	94.8	5.0	9.2	68.0	175.7	163.1	335.6	8.3	6.9	123.6
2751	Commercial printing, letterpress -----	E2	284	21	2.0	24.0	1.5	2.8	16.4	48.4	41.5	90.0	2.3	2.1	38.4
2752	Commercial printing, lithographic -----	-	290	40	4.2	66.7	3.2	6.1	48.7	120.4	115.2	232.4	5.9	4.4	79.0
278	Blankbooks and bookbinding -----	E1	42	10	0.5	5.8	0.4	0.7	4.1	10.7	5.0	15.6	0.6	0.4	5.5
279	Printing trade services -----	E1	89	12	0.8	13.8	0.6	1.1	10.1	23.2	4.8	27.9	1.7	0.9	18.5
28	Chemicals and allied products -----	-	272	100	11.4	192.2	6.4	12.8	93.5	662.9	929.2	1 586.0	72.5	10.0	374.6
281	Industrial inorganic chemicals -----	-	31	16	1.1	19.8	0.8	1.5	12.0	70.4	94.8	164.5	9.9	1.1	44.3

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	San Francisco-Oakland SMSA—Con.														
28	Chemicals and allied products—Con.														
281	Industrial inorganic chemicals—Con.														
2819	Industrial inorganic chemicals, n.e.c.-----	-	18	12	0.8	13.8	0.5	1.0	8.7	55.2	81.6	136.4	(D)	0.6	27.1
284	Soaps, cleaners, and toilet goods-----	-	55	12	1.2	18.5	0.8	1.5	11.1	106.7	131.1	236.1	2.9	1.7	94.9
2841	Soap and other detergents-----	-	16	6	0.7	11.1	0.5	0.9	7.3	76.6	84.1	159.1	2.0	(NA)	(NA)
2851	Paints and allied products-----	-	57	21	2.1	31.4	1.1	2.3	15.5	109.9	151.5	258.2	2.8	2.0	59.0
286	Industrial organic chemicals-----	-	9	7	1.9	40.0	0.9	1.7	16.1	98.1	219.1	320.9	17.7	(NA)	(NA)
2869	Industrial organic chemicals, n.e.c.-----	-	8	6	1.9	39.2	0.9	1.7	15.7	96.4	217.5	317.5	17.7	(NA)	(NA)
287	Agricultural chemicals-----	-	18	8	0.7	10.8	0.5	0.9	6.7	91.6	103.8	197.0	9.2	0.8	27.9
2879	Agricultural chemicals, n.e.c.-----	-	10	4	0.5	7.7	0.3	0.6	4.7	72.9	70.4	143.7	(D)	(NA)	(NA)
289	Miscellaneous chemical products-----	-	69	22	1.6	25.4	0.9	1.9	13.4	78.0	84.1	160.1	4.5	1.5	45.1
2893	Printing ink-----	-	14	8	0.4	6.1	0.2	0.5	3.4	11.9	16.6	28.3	0.3	(NA)	(NA)
29	Petroleum and coal products-----	-	41	13	4.5	85.4	3.1	5.7	56.3	959.4	2 593.7	3 510.7	36.1	5.3	227.3
2911	Petroleum refining-----	-	7	4	3.8	73.8	2.6	4.5	47.4	917.4	2 498.8	3 376.0	34.2	4.7	205.2
295	Paving and roofing materials-----	-	23	5	0.5	9.1	0.4	0.9	7.3	25.4	60.6	85.0	(D)	0.5	14.6
2952	Asphalt felts and coatings-----	-	10	4	0.4	7.5	0.4	0.8	6.2	17.9	48.1	65.0	(D)	(NA)	(NA)
30	Rubber and miscellaneous plastics products-----	E1	169	54	6.0	90.1	3.8	7.3	45.7	156.7	162.4	306.8	14.5	4.7	99.2
3079	Miscellaneous plastics products-----	E1	147	48	5.4	82.0	3.4	6.5	41.0	139.8	144.3	271.6	14.1	3.9	81.7
31	Leather and leather products-----	-	36	5	0.5	5.6	0.4	0.7	3.9	10.2	14.7	25.1	0.5	0.8	7.8
32	Stone, clay, and glass products-----	-	211	58	6.8	100.3	5.6	13.3	77.0	200.0	211.2	415.5	22.2	6.3	137.7
3221	Glass containers-----	-	5	5	3.3	48.2	3.0	5.4	41.7	85.8	65.2	156.8	10.9	(NA)	(NA)
3231	Products of purchased glass-----	E2	25	5	0.3	3.7	0.2	0.4	2.7	7.1	6.7	13.7	1.9	0.4	5.6
325	Structural clay products-----	-	6	6	0.4	5.8	0.3	0.6	4.0	7.3	8.0	15.1	(D)	0.4	6.1
327	Concrete, gypsum, and plaster products-----	E1	99	35	2.2	35.1	1.6	6.0	23.2	82.9	118.6	200.0	5.4	2.1	53.6
3272	Concrete products, n.e.c.-----	E2	41	15	1.0	14.2	0.8	1.6	10.0	31.4	28.6	58.7	2.2	0.8	19.8
3273	Ready-mixed concrete-----	-	44	14	0.7	12.8	0.5	3.6	7.5	25.0	52.8	77.8	2.4	0.9	22.1
3275	Gypsum products-----	-	8	4	0.3	6.4	0.3	0.6	4.9	21.7	34.2	56.0	(D)	(NA)	(NA)
329	Miscellaneous nonmetallic mineral products-----	E1	36	5	0.4	4.6	0.3	0.5	3.1	11.7	9.6	21.7	2.4	0.3	7.6
33	Primary metal industries-----	-	98	46	8.0	135.0	6.1	12.0	98.9	127.2	704.1	826.7	10.4	8.1	123.6
3325	Steel foundries, n.e.c.-----	-	3	3	0.5	7.5	0.4	0.9	6.1	17.4	8.6	26.1	(D)	(NA)	(NA)
335	Nonferrous rolling and drawing-----	-	6	4	0.8	12.5	0.6	1.2	8.2	32.1	54.3	84.5	(D)	0.6	16.2
3361	Aluminum foundries-----	-	16	10	0.7	8.3	0.5	0.9	6.5	14.1	9.5	23.6	0.4	0.4	8.8
3362	Brass, bronze, and copper foundries-----	-	10	4	0.3	3.6	0.2	0.5	2.7	5.5	5.8	11.3	0.3	(NA)	(NA)
34	Fabricated metal products-----	-	564	185	16.9	266.4	12.6	25.1	182.7	569.1	616.3	1 179.8	26.4	18.2	388.7
341	Metal cans and shipping containers-----	-	19	15	3.8	73.8	3.2	6.5	60.8	176.9	278.9	457.2	6.8	4.6	105.0
3411	Metal cans-----	-	14	11	3.2	63.2	2.7	5.6	52.5	155.5	250.4	407.2	(D)	(NA)	(NA)
3412	Metal barrels, drums, and pails-----	-	5	4	0.6	10.6	0.5	0.9	8.3	21.4	28.5	50.0	(D)	(NA)	(NA)
342	Cutlery, hand tools, and hardware-----	-	34	10	1.4	22.5	0.9	1.6	13.0	39.2	28.1	69.1	2.2	2.1	54.1
3429	Hardware, n.e.c.-----	-	22	6	1.2	19.8	0.7	1.4	11.5	29.0	24.9	55.9	1.6	(NA)	(NA)
343	Plumbing and heating, except electric-----	-	25	10	1.1	13.1	0.7	1.4	7.7	24.4	22.8	47.1	0.9	0.7	10.8
3433	Heating equipment, except electric-----	-	15	6	0.7	8.9	0.5	0.9	5.0	15.9	14.4	30.1	0.7	(NA)	(NA)
344	Fabricated structural metal products-----	-	203	69	5.3	78.6	3.7	7.5	49.2	153.1	158.5	307.9	10.2	6.1	118.4
3441	Fabricated structural metal-----	-	33	12	1.0	15.2	0.7	1.3	10.1	28.5	41.7	66.8	2.9	2.0	41.4
3442	Metal doors, sash, and trim-----	-	37	14	1.0	13.8	0.7	1.4	8.6	30.2	29.8	58.8	1.6	1.0	15.8

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SMSA's, see appendix A. For explanation of terms, see appendix B)															
SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	San Francisco-Oakland SMSA—Con.														
34	Fabricated metal products— Con.														
344	Fabricated structural metal products—Con.														
3443	Fabricated plate work (boiler shops) -----	E1	30	13	1.0	17.8	0.7	1.4	12.3	30.1	23.4	54.5	1.4	0.6	13.3
3444	Sheet metal work -----	-	58	23	1.7	22.4	1.2	2.7	14.1	43.7	42.1	85.9	3.7	1.4	25.1
3446	Architectural metal work -----	-	31	3	0.5	7.6	0.3	0.5	3.3	15.1	11.5	26.3	0.3	(NA)	(NA)
345	Screw machine products, bolts, etc. -----	E3	25	6	0.3	4.3	0.3	0.5	3.1	8.0	4.7	12.7	(D)	0.3	6.5
346	Metal forgings and stampings -----	-	48	22	1.1	16.2	0.8	1.6	10.8	40.4	28.2	67.9	2.3	1.0	26.2
3469	Metal stampings, n.e.c. --	-	38	15	0.6	8.9	0.5	0.9	6.1	18.6	9.7	28.1	1.0	0.5	14.3
347	Metal services, n.e.c. -----	E1	86	16	1.0	12.8	0.8	1.6	9.0	24.2	9.1	33.1	1.0	0.9	16.5
3471	Plating and polishing -----	E1	58	11	0.7	8.8	0.6	1.1	6.1	16.5	5.2	21.6	0.6	0.6	10.9
3479	Metal coating and allied services -----	E1	28	5	0.3	4.0	0.3	0.5	2.9	7.6	4.0	11.5	0.3	0.3	5.6
349	Miscellaneous fabricated metal products -----	-	119	35	2.9	42.9	2.2	4.2	28.5	99.4	82.8	178.3	2.4	2.5	50.9
3494	Valves and pipe fittings -	-	23	14	1.4	22.8	1.0	1.9	15.0	50.6	25.9	73.5	1.3	1.1	21.6
3499	Fabricated metal products, n.e.c. -----	-	58	10	0.8	10.3	0.6	1.2	6.8	27.6	29.8	57.3	0.8	0.9	19.7
35	Machinery, except electrical -	-	680	122	15.7	240.6	10.2	19.1	147.9	453.3	370.0	813.0	26.5	13.5	285.3
353	Construction and related machinery -----	E1	42	17	3.0	51.3	2.2	3.5	32.6	90.6	65.5	157.8	4.9	2.4	56.1
3537	Industrial trucks and tractors -----	-	5	4	0.3	4.3	0.1	0.3	2.0	10.9	10.5	22.1	0.3	(NA)	(NA)
354	Metalworking machinery ---	E1	79	9	0.9	15.2	0.7	1.4	10.4	28.5	12.0	39.5	1.3	(NA)	(NA)
355	Special industry machinery -----	-	64	20	1.7	27.1	1.0	2.0	15.1	52.2	38.5	94.8	2.0	1.7	31.2
3551	Food products machinery -----	-	29	9	0.9	16.2	0.6	1.2	9.4	27.0	21.7	52.6	1.1	0.8	13.2
3559	Special industry machinery, n.e.c. -----	-	18	5	0.4	5.4	0.2	0.4	2.3	11.7	9.9	21.6	0.4	0.5	10.8
356	General industrial machinery -----	-	68	19	2.3	34.1	1.3	2.3	17.7	68.3	55.2	117.8	2.0	2.0	42.5
3561	Pumps and pumping equipment -----	-	8	5	0.9	13.0	0.4	0.8	6.5	28.2	24.1	47.5	1.0	0.7	11.1
3569	General industrial machinery, n.e.c. -----	-	30	8	0.8	12.7	0.4	0.8	5.9	25.9	15.5	41.7	(D)	(NA)	(NA)
357	Office and computing machines -----	-	40	18	4.5	64.8	2.6	5.1	39.1	119.8	142.9	254.9	9.8	1.8	58.3
3573	Electronic computing equipment -----	-	34	14	3.8	55.9	2.0	3.9	31.7	96.2	132.5	221.2	8.4	1.7	51.9
358	Refrigeration and service machinery -----	E1	38	8	0.7	10.4	0.4	0.8	5.6	25.9	21.4	47.1	(D)	1.1	20.0
359	Miscellaneous machinery, except electrical -----	E2	341	29	2.5	36.9	2.0	3.9	26.7	66.4	32.0	97.2	5.5	2.7	42.5
36	Electric and electronic equipment -----	E1	298	98	15.5	213.5	9.3	18.3	105.0	398.7	286.6	665.1	22.6	12.7	215.2
361	Electric distributing equipment -----	E2	15	7	0.7	8.3	0.5	1.1	5.4	16.5	16.6	33.0	0.4	0.6	10.8
362	Electrical industrial apparatus -----	E2	28	13	1.8	29.6	1.1	2.4	15.9	66.5	57.9	119.9	3.4	0.5	12.0
3622	Industrial controls -----	-	16	6	0.5	6.7	0.3	0.6	3.8	13.2	9.4	22.7	(D)	0.3	6.9
364	Electric lighting and wiring equipment -----	E1	42	13	1.3	16.2	0.9	1.6	9.8	29.4	31.9	60.5	1.1	1.3	23.0
3646	Commercial lighting fixtures -----	-	9	4	0.6	6.9	0.3	0.6	3.6	10.0	11.5	20.9	0.3	0.6	9.3
3648	Lighting equipment, n.e.c. -----	-	3	3	0.3	3.6	0.2	0.3	2.2	6.8	4.8	11.3	(D)	(NA)	(NA)
366	Communication equipment -----	E1	56	29	6.6	97.4	2.9	5.6	34.8	154.2	94.1	237.7	6.7	6.7	107.4
367	Electronic components and accessories -----	E1	94	27	4.0	48.9	3.0	6.1	31.2	97.2	58.7	153.4	7.6	2.8	48.6
3674	Semiconductors and related devices -----	-	17	8	1.5	17.1	1.1	2.2	9.1	50.1	27.6	76.8	4.5	(NA)	(NA)
369	Miscellaneous electrical equipment and supplies --	E1	21	5	0.6	8.2	0.4	0.8	4.6	22.8	15.3	36.4	(D)	0.3	3.3
3693	X-ray, electromedical, and electrotherapeutic apparatus -----	-	5	3	0.5	7.0	0.3	0.6	3.7	19.5	12.2	29.9	(D)	(NA)	(NA)
37	Transportation equipment ---	-	171	53	14.9	279.2	12.0	25.7	218.9	773.9	1 596.7	2 364.9	18.7	12.6	352.3
371	Motor vehicles and equipment -----	-	72	22	9.3	182.5	7.4	16.8	144.6	607.8	1 484.6	2 088.4	15.7	8.8	279.4
372	Aircraft and parts -----	-	8	6	0.7	10.2	0.4	0.8	5.2	21.5	28.7	50.1	0.6	(NA)	(NA)
373	Ship and boat building and repairing -----	-	63	18	4.4	79.4	3.8	7.3	64.4	129.3	64.3	192.5	1.9	2.8	43.4
3731	Ship building and repairing -----	-	23	13	4.0	75.5	3.5	6.8	61.6	121.9	58.4	180.3	1.7	2.2	36.8

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	E ¹	1977											1972	
			All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	San Francisco-Oakland SMSA—Con.														
37	Transportation equipment—Con.														
373	Ship and boat building and repairing—Con.														
3732	Boat building and repairing	E2	40	5	0.3	3.9	0.3	0.5	2.8	7.4	5.9	12.2	0.3	0.5	6.6
379	Miscellaneous transportation equipment	E1	12	5	0.3	3.3	0.3	0.5	2.1	6.3	9.2	15.3	0.3	(NA)	(NA)
38	Instruments and related products	E2	187	44	4.3	57.8	2.7	5.4	28.9	119.3	72.2	192.6	5.4	4.4	90.0
3811	Engineering and scientific instruments	E1	25	11	1.1	16.1	0.8	1.9	8.6	33.1	16.1	48.9	1.8	0.7	15.3
382	Measuring and controlling devices	E1	51	10	1.2	16.1	0.7	1.3	8.3	31.0	18.4	49.0	1.4	1.7	32.2
3825	Instruments to measure electricity	-	19	8	1.0	13.9	0.6	1.1	7.1	25.8	15.5	41.0	1.2	(NA)	(NA)
3832	Optical instruments and lenses	-	12	4	0.3	3.9	0.2	0.3	2.1	7.8	4.0	11.5	0.4	0.7	17.1
384	Medical instruments and supplies	E1	67	11	1.0	13.3	0.5	1.0	5.6	26.8	17.3	44.1	0.7	1.2	21.0
3841	Surgical and medical instruments	E2	17	7	0.5	7.2	0.3	0.6	3.4	15.0	8.1	23.2	0.3	0.3	4.6
3842	Surgical appliances and supplies	E1	24	4	0.3	4.9	0.2	0.3	1.5	9.1	7.6	16.7	0.2	0.6	10.8
3861	Photographic equipment and supplies	E5	20	4	0.3	4.8	0.2	0.4	2.5	13.7	9.8	24.8	0.7	(NA)	(NA)
39	Miscellaneous manufacturing industries	E1	288	36	2.8	29.3	2.0	3.4	16.2	64.9	47.9	111.1	2.0	2.6	29.2
394	Toys and sporting goods	E1	56	9	0.8	7.4	0.5	0.8	3.4	24.3	14.9	38.1	1.0	0.3	4.1
3944	Games, toys, and children's vehicles	E1	22	2	0.4	4.1	0.2	0.3	1.3	11.9	7.5	18.8	0.5	(NA)	(NA)
3949	Sporting and athletic goods, n.e.c.	E1	26	6	0.3	2.8	0.2	0.4	1.7	11.2	6.9	17.6	0.5	(NA)	(NA)
395	Pens, pencils, office and art supplies	E1	23	7	0.3	2.9	0.2	0.3	1.8	7.3	5.0	12.1	0.1	0.3	8.9
399	Miscellaneous manufactures	E1	135	14	1.3	14.3	0.9	1.7	8.3	23.9	20.1	43.9	0.7	1.8	12.9
3993	Signs and advertising displays	E1	49	7	0.6	7.5	0.4	0.7	4.3	11.5	9.1	20.7	0.2	0.8	0.9
3999	Manufacturing industries, n.e.c.	E2	78	6	0.7	5.9	0.5	0.9	3.5	11.0	8.7	19.6	0.4	0.9	11.5
	San Jose SMSA	-	2 671	762	181.4	2 954.5	89.0	175.1	1 110.0	6 205.7	5 261.6	11 339.0	509.4	134.4	2 873.1
20	Food and kindred products	-	136	61	11.4	145.9	9.3	18.1	109.9	372.4	668.0	1 049.1	30.6	12.0	284.3
201	Meat products	-	11	6	0.4	6.1	0.2	0.5	3.2	10.5	57.1	67.5	0.5	0.3	8.4
202	Dairy products	-	16	5	0.4	4.9	0.3	0.4	2.5	9.6	44.6	54.1	0.9	0.3	3.6
203	Preserved fruits and vegetables	-	43	29	8.1	96.9	7.2	14.3	82.2	230.4	412.3	637.2	24.2	8.1	157.0
2033	Canned fruits and vegetables	-	20	16	4.6	58.7	4.2	8.5	53.5	141.4	274.6	415.8	5.8	4.7	102.3
2034	Dehydrated fruits, vegetables, and soups	-	12	8	2.3	24.8	1.8	3.6	17.9	65.4	96.5	157.2	17.4	2.1	28.5
205	Bakery products	-	11	4	0.8	15.0	0.4	0.8	7.5	30.3	15.6	46.0	1.0	1.2	29.1
208	Beverages	-	19	6	0.8	11.5	0.6	1.0	7.7	57.5	83.3	155.2	3.0	1.1	57.4
209	Miscellaneous foods and kindred products	-	16	5	0.5	5.7	0.4	0.7	4.2	21.6	22.4	44.1	0.5	0.5	14.8
24	Lumber and wood products	E1	91	13	1.1	13.1	0.9	1.8	10.0	26.1	33.8	58.2	1.3	0.7	13.0
243	Millwork, plywood, and structural members	E3	48	7	0.6	7.5	0.5	1.0	5.6	14.3	15.1	29.0	0.9	0.5	10.3
2431	Millwork	E3	21	4	0.3	3.2	0.2	0.4	2.2	7.6	9.5	16.7	0.7	0.3	7.2
251	Household furniture	E8	28	6	0.3	2.1	0.2	0.4	1.6	3.7	3.7	7.3	(D)	(NA)	(NA)
26	Paper and allied products	-	27	18	1.8	26.8	1.4	2.8	19.6	74.0	99.4	171.3	10.0	2.1	48.9
265	Paperboard containers and boxes	-	11	9	1.0	14.9	0.8	1.6	10.9	30.0	57.8	86.4	(D)	(NA)	(NA)
2653	Corrugated and solid fiber boxes	-	6	5	0.5	8.2	0.4	0.7	5.7	14.5	34.1	48.2	0.9	0.5	8.8
27	Printing and publishing	-	324	50	5.5	78.9	3.0	5.6	40.3	186.3	85.1	271.1	7.8	5.4	121.9
2711	Newspapers	-	21	5	2.1	32.7	0.7	1.4	13.3	89.4	25.6	115.0	2.5	1.9	53.1
273	Books	-	35	10	0.8	10.2	0.4	0.9	5.0	20.3	15.4	35.2	1.7	0.7	15.8
2731	Book publishing	-	28	5	0.6	6.8	0.3	0.5	2.9	14.3	12.3	26.3	1.2	0.6	13.5
2741	Miscellaneous publishing	-	13	3	0.3	4.1	0.1	0.2	1.1	9.4	4.6	13.8	0.2	(NA)	(NA)
2751	Commercial printing, letterpress	E3	110	4	0.4	5.1	0.4	0.7	3.7	10.5	5.5	16.0	0.5	1.2	20.4

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Includes industry group SMSA's, see appendix A. For explanation of terms, see appendix B]															
SIC code	SMSA and industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
27	San Jose SMSA—Con. Printing and publishing—Con.														
2752	Commercial printing, lithographic -----	E2	76	12	0.6	9.6	0.5	0.9	6.3	17.0	9.7	26.6	0.7	(NA)	(NA)
279	Printing trade services ----	E1	29	4	0.3	4.0	0.2	0.4	3.1	6.3	1.4	8.4	0.5	(NA)	(NA)
28	Chemicals and allied products -----	-	73	20	2.1	31.7	1.1	2.2	13.7	136.4	125.3	261.0	8.1	1.8	94.7
283	Drugs -----	-	14	3	1.0	15.4	0.4	0.8	5.0	51.2	47.3	98.2	2.8	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	E1	78	23	2.2	25.8	1.7	3.3	15.9	49.2	45.8	96.3	5.5	1.5	25.6
32	Stone, clay, and glass products -----	-	83	30	3.1	48.5	2.4	4.8	34.8	168.3	129.4	294.7	8.2	2.6	73.6
327	Concrete, gypsum, and plaster products -----	-	45	20	0.9	14.3	0.7	1.3	9.4	33.7	45.1	78.7	3.7	0.6	12.7
3273	Ready-mixed concrete ----	-	20	11	0.6	9.0	0.4	0.7	5.9	19.2	34.1	53.3	3.0	0.3	6.5
329	Miscellaneous nonmetallic mineral products -----	-	14	4	1.3	19.3	1.0	2.2	14.6	80.0	42.9	120.5	(D)	(NA)	(NA)
33	Primary metal industries ----	E1	34	13	0.9	12.4	0.7	1.4	9.6	27.0	35.0	62.6	1.1	0.6	12.3
336	Nonferrous foundries ----	E4	14	7	0.4	5.2	0.3	0.6	4.0	9.5	5.4	14.7	(D)	(NA)	(NA)
34	Fabricated metal products ---	-	265	71	6.4	93.5	4.3	8.1	48.0	193.3	173.5	366.5	8.7	5.4	83.8
341	Metal cans and shipping containers -----	-	7	6	0.4	5.9	0.4	0.7	5.0	28.5	54.7	85.9	(D)	0.4	19.3
346	Metal forgings and stampings -----	E1	32	15	1.0	12.9	0.8	1.6	9.4	22.8	19.1	41.8	2.6	(NA)	(NA)
347	Metal services, n.e.c. -----	-	66	12	1.2	13.7	0.8	1.8	7.6	28.2	32.6	60.5	2.0	0.5	15.3
3471	Plating and polishing ----	-	42	7	0.8	10.1	0.6	1.2	5.3	21.4	23.7	44.8	1.2	(NA)	(NA)
3479	Metal coating and allied services -----	E1	24	5	0.3	3.6	0.3	0.6	2.3	6.8	8.9	15.6	0.8	0.3	19.4
349	Miscellaneous fabricated metal products -----	E1	56	13	0.7	9.3	0.5	1.0	6.0	22.7	13.8	36.1	0.9	0.5	9.4
3499	Fabricated metal products, n.e.c. -----	E1	38	8	0.4	4.3	0.3	0.5	3.0	8.3	4.5	12.7	0.5	(NA)	(NA)
35	Machinery, except electrical -	-	592	122	37.0	641.8	15.6	32.2	218.6	1 495.8	1 215.6	2 685.1	167.0	20.9	475.6
354	Metalworking machinery ---	E3	52	4	0.3	5.7	0.3	0.5	3.9	7.8	4.1	13.3	(D)	(NA)	(NA)
355	Special industry machinery -----	-	30	14	2.2	35.6	1.2	2.6	18.6	84.9	46.8	132.3	2.7	1.4	30.5
3559	Special industry machinery, n.e.c. -----	-	16	6	1.0	15.3	0.6	1.4	9.9	39.9	22.1	63.6	0.9	(NA)	(NA)
356	General industrial machinery -----	-	32	11	1.9	30.4	0.9	1.8	12.3	57.8	38.1	95.5	2.1	(NA)	(NA)
3569	General industrial machinery, n.e.c. -----	-	15	6	1.0	16.9	0.4	0.8	5.1	31.0	15.4	47.5	1.0	(NA)	(NA)
357	Office and computing machines -----	-	98	54	28.5	515.7	10.4	21.6	148.1	1 247.0	1 059.0	2 279.1	153.7	16.0	374.5
3573	Electronic computing equipment -----	-	88	47	27.0	495.9	9.7	20.1	142.8	1 204.2	1 028.6	2 206.3	(D)	15.6	365.9
358	Refrigeration and service machinery -----	E1	23	7	0.4	5.7	0.2	0.4	2.5	10.8	12.0	21.6	0.4	(NA)	(NA)
3589	Service industry machinery, n.e.c. -----	E1	18	7	0.4	5.2	0.2	0.4	2.2	10.2	11.3	20.4	0.4	(NA)	(NA)
36	Electric and electronic equipment -----	-	437	190	53.2	805.2	28.6	57.2	322.4	1 805.5	972.5	2 742.1	176.1	32.7	671.0
362	Electrical industrial apparatus -----	-	18	7	1.1	15.9	0.7	1.4	7.8	34.8	19.7	54.3	(D)	0.7	15.2
364	Electric lighting and wiring equipment -----	-	20	5	0.6	6.3	0.3	0.6	3.6	15.5	7.6	23.0	0.5	0.4	9.8
366	Communication equipment -----	-	92	57	11.7	192.1	5.4	10.5	67.9	380.5	233.7	589.3	33.2	10.1	223.1
367	Electronic components and accessories -----	-	254	105	37.7	561.4	21.0	42.5	229.9	1 285.1	668.2	1 944.3	138.6	20.4	386.3
3671	Electron tubes, all types -	-	9	6	7.3	124.8	4.8	9.6	65.3	193.5	84.6	276.1	(D)	(NA)	(NA)
3674	Semiconductors and related devices -----	-	76	41	25.6	376.9	12.8	26.2	130.8	967.1	508.1	1 471.6	108.8	(NA)	(NA)
369	Miscellaneous electrical equipment and supplies --	-	29	12	1.1	17.9	0.7	1.3	8.4	24.0	23.9	46.2	2.3	0.4	7.9
3693	X-ray, electromedical, and electrotherapeutic apparatus -----	-	11	8	0.9	15.1	0.5	0.9	6.3	18.2	18.3	35.0	2.2	(NA)	(NA)
37	Transportation equipment ---	-	51	10	25.5	540.2	8.8	16.6	147.8	1 077.6	1 324.0	2 353.1	36.7	25.3	717.5
38	Instruments and related products -----	-	215	78	18.6	296.8	7.9	15.9	96.9	487.2	232.2	706.4	41.5	11.1	225.6
3811	Engineering and scientific instruments --	-	27	12	2.0	31.8	1.0	2.1	11.7	82.1	36.1	113.6	2.1	1.2	34.1

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	San Jose SMSA—Con.														
38	Instruments and related products—Con.														
382	Measuring and controlling devices -----	-	82	33	13.1	219.0	4.9	9.8	65.1	291.6	139.7	417.5	32.4	8.1	154.2
3823	Process control instruments -----	E1	13	4	0.6	11.0	0.3	0.5	3.1	29.4	12.3	40.8	(D)	(NA)	(NA)
3825	Instruments to measure electricity -----	-	50	22	4.4	65.1	2.7	5.3	33.2	169.7	68.7	235.9	8.0	(NA)	(NA)
3832	Optical instruments and lenses -----	-	21	11	0.8	11.1	0.4	0.7	5.0	37.6	16.5	53.5	1.4	0.4	8.5
384	Medical instruments and supplies -----	E1	33	10	1.3	18.4	0.7	1.9	6.8	25.9	12.3	37.6	1.7	0.8	17.2
3841	Surgical and medical instruments -----	E5	13	4	0.3	3.0	0.2	0.3	1.5	6.6	2.9	9.4	0.3	0.4	10.1
3842	Surgical appliances and supplies -----	-	11	5	1.0	14.6	0.5	1.4	4.8	18.0	8.7	26.3	1.4	0.4	6.9
3861	Photographic equipment and supplies -----	E1	29	7	0.9	12.1	0.6	0.9	5.8	35.5	21.3	56.6	3.2	(NA)	(NA)
39	Miscellaneous manufacturing industries ---	-	91	16	2.9	28.9	2.2	3.0	14.0	82.2	91.4	166.4	6.1	0.6	9.5
394	Toys and sporting goods ---	-	22	6	2.0	20.6	1.5	1.7	8.5	65.1	77.1	135.2	5.5	(NA)	(NA)
399	Miscellaneous manufactures -----	E2	50	8	0.8	7.3	0.6	1.2	5.0	14.4	13.3	27.5	0.5	0.5	7.5
3999	Manufacturing industries, n.e.c. -----	E3	31	6	0.6	5.1	0.5	0.9	3.6	10.9	10.4	21.1	0.3	(NA)	(NA)
	Santa Barbara-Santa Maria-Lompoc SMSA -----	-	444	99	15.5	206.0	8.6	16.3	82.9	355.1	306.2	640.1	23.5	10.1	169.7
20	Food and kindred products --	-	28	11	1.6	14.4	1.3	2.2	11.5	39.0	73.6	110.1	2.7	1.4	29.1
203	Preserved fruits and vegetables -----	-	5	4	1.0	7.1	0.9	1.4	6.6	16.3	17.3	33.7	(D)	0.9	11.6
27	Printing and publishing -----	E2	83	9	1.2	12.6	0.6	1.0	6.0	28.2	11.3	39.0	2.3	1.0	14.1
2711	Newspapers -----	-	10	4	0.6	5.5	0.2	0.4	2.1	11.6	3.0	14.6	0.4	0.6	7.4
2752	Commercial printing, lithographic -----	-	22	2	0.4	3.6	0.2	0.4	2.5	7.4	3.5	10.9	(D)	(NA)	(NA)
34	Fabricated metal products ---	E4	27	4	0.3	2.5	0.2	0.4	1.8	4.9	4.2	9.2	0.2	0.4	5.4
35	Machinery, except electrical -	-	58	13	2.9	37.1	1.8	3.4	17.1	49.2	47.8	96.3	5.0	1.5	21.7
357	Office and computing machines -----	-	6	5	2.3	29.2	1.4	2.6	12.1	35.6	37.4	72.5	4.0	1.2	16.1
3573	Electronic computing equipment -----	-	6	5	2.3	29.2	1.4	2.6	12.1	35.6	37.4	72.5	4.0	1.2	16.1
36	Electric and electronic equipment -----	-	42	19	3.3	49.3	1.5	3.1	15.6	102.5	57.8	144.1	6.6	2.1	33.0
366	Communication equipment -----	-	13	8	1.9	32.4	0.5	0.9	5.1	59.2	26.5	70.9	(D)	0.9	18.7
367	Electronic components and accessories -----	-	12	3	0.3	2.8	0.2	0.3	1.3	7.1	3.2	10.0	0.2	(NA)	(NA)
37	Transportation equipment ---	-	24	8	1.4	21.4	0.8	1.5	8.9	34.0	22.6	56.8	1.1	1.4	29.3
376	Guided missiles, space vehicles, parts -----	-	4	4	0.8	13.6	0.4	0.7	4.5	23.6	9.2	32.7	(D)	1.4	28.8
38	Instruments and related products -----	-	28	11	1.4	17.2	0.8	1.6	8.1	36.4	15.0	51.1	2.8	0.6	10.6
384	Medical instruments and supplies -----	-	9	6	0.9	9.6	0.5	0.9	4.7	21.1	8.2	29.6	(D)	(NA)	(NA)
	Santa Cruz SMSA -----	-	291	60	8.0	87.4	6.7	11.9	63.9	275.2	266.6	539.4	12.0	6.9	122.9
20	Food and kindred products --	-	35	22	4.1	38.9	3.6	6.1	31.8	164.4	165.1	329.1	5.0	3.6	64.7
203	Preserved fruits and vegetables -----	-	17	13	3.1	26.1	2.9	4.7	22.6	97.4	84.9	182.3	2.3	2.9	46.3
2037	Frozen fruits and vegetables -----	-	10	8	2.8	22.6	2.6	4.1	19.7	88.7	70.9	159.5	2.1	2.2	25.5
27	Printing and publishing -----	E2	47	5	0.3	4.9	0.2	0.4	2.2	9.5	3.7	13.2	0.6	0.3	5.1
36	Electric and electronic equipment -----	E1	27	8	0.9	12.0	0.6	1.2	6.7	31.3	12.5	42.3	1.1	0.6	15.3
	Santa Rosa SMSA-----	-	458	104	11.0	137.9	7.5	14.1	78.0	338.6	349.0	670.9	21.9	7.9	136.7
20	Food and kindred products --	E1	78	25	2.3	25.4	1.8	3.3	16.7	70.6	154.1	219.9	7.6	2.1	30.9
201	Meat products -----	E1	7	3	0.3	2.6	0.2	0.4	2.2	5.7	20.5	26.1	0.4	(NA)	(NA)
203	Preserved fruits and vegetables -----	-	10	6	0.7	6.1	0.6	1.0	4.5	10.9	28.6	39.5	1.0	0.8	5.7

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

		1977											1972		
SIC code	SMSA and industry		All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
		E ¹													
	Santa Rosa SMSA—Con.														
20	Food and kindred products— Con.														
208	Beverages -----	-	28	9	0.8	10.8	0.5	1.0	6.1	35.0	60.3	90.8	5.5	0.6	14.4
2084	Wines, brandy, and brandy spirits -----	-	24	8	0.7	10.1	0.5	0.9	5.7	33.6	57.8	86.8	5.4	(NA)	(NA)
24	Lumber and wood products --	E1	75	19	1.5	16.8	1.2	2.4	13.0	48.9	54.6	103.6	1.8	2.2	38.9
242	Sawmills and planing mills --	-	21	8	0.5	6.3	0.5	1.0	5.3	27.3	24.0	51.5	0.6	1.0	21.1
243	Millwork, plywood, and structural members -----	E3	17	5	0.7	7.7	0.5	1.0	5.6	14.4	22.9	37.2	0.6	0.5	10.3
2431	Millwork -----	E6	7	2	0.3	3.1	0.2	0.5	2.2	5.9	11.0	16.8	(D)	(NA)	(NA)
27	Printing and publishing -----	E1	53	6	0.6	8.1	0.3	0.5	3.2	13.6	5.7	19.3	0.9	0.5	8.3
2711	Newspapers -----	-	12	5	0.4	6.4	0.2	0.3	2.0	10.6	3.8	14.4	0.7	0.3	6.1
34	Fabricated metal products ---	E1	30	7	0.8	12.0	0.3	0.6	2.9	31.5	20.8	51.2	0.5	0.3	5.1
344	Fabricated structural metal products -----	-	11	5	0.6	9.3	0.1	0.2	1.1	24.0	15.0	38.0	0.3	(NA)	(NA)
35	Machinery, except electrical -	E1	56	11	0.9	13.5	0.6	1.3	8.0	34.7	18.5	50.3	2.0	0.9	16.9
355	Special industry machinery -----	E1	15	4	0.3	4.2	0.2	0.3	2.3	11.0	5.4	16.3	0.4	0.4	7.6
	Stockton SMSA -----	-	414	139	20.9	279.9	16.6	31.8	208.5	747.2	1 249.7	1 982.3	61.0	18.2	498.6
20	Food and kindred products --	-	83	42	8.8	114.0	7.1	13.4	89.1	373.9	805.6	1 164.6	22.1	7.3	256.9
201	Meat products -----	-	8	7	1.3	20.0	0.9	1.9	14.6	37.8	186.3	223.2	1.5	0.4	7.5
203	Preserved fruits and vegetables -----	-	21	16	4.5	49.9	3.9	6.8	44.6	124.5	232.6	355.5	9.2	3.8	74.3
2033	Canned fruits and vegetables -----	-	14	12	4.0	45.9	3.6	6.1	41.7	117.4	223.1	338.2	8.8	3.5	72.0
204	Grain mill products -----	-	15	7	1.0	16.6	0.8	1.7	12.2	80.9	173.3	252.4	5.3	0.8	61.6
208	Beverages -----	-	20	6	0.8	12.9	0.4	0.8	6.3	68.1	76.3	129.2	4.3	0.8	49.3
24	Lumber and wood products --	-	41	14	2.2	25.8	2.0	3.9	20.8	56.4	92.8	146.7	4.8	1.7	23.3
243	Millwork, plywood, and structural members -----	-	18	4	0.8	10.8	0.7	1.4	9.1	21.1	39.6	59.6	(D)	0.8	10.8
2431	Millwork -----	-	9	4	0.7	10.4	0.7	1.4	8.8	20.2	38.9	58.1	(D)	0.8	10.5
244	Wood containers -----	E2	9	4	0.3	2.6	0.3	0.5	2.2	4.0	6.5	10.7	(D)	(NA)	(NA)
25	Furniture and fixtures -----	-	18	5	0.5	6.0	0.4	0.8	4.9	12.3	12.6	24.4	0.3	0.3	6.7
254	Partitions and fixtures -----	-	9	4	0.4	5.5	0.4	0.7	4.5	10.4	11.2	21.2	(D)	0.3	5.8
27	Printing and publishing -----	E1	43	5	0.5	7.6	0.4	0.7	5.3	17.8	4.9	22.6	0.4	0.7	12.5
2711	Newspapers -----	-	9	4	0.3	5.4	0.3	0.5	3.8	13.6	2.7	16.3	0.3	0.4	9.0
28	Chemicals and allied products -----	-	15	4	0.7	11.1	0.4	0.7	4.7	38.2	64.4	105.4	1.9	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	-	11	5	0.5	6.2	0.4	0.8	4.3	15.2	19.2	34.4	0.8	0.5	7.8
32	Stone, clay, and glass products -----	-	22	8	2.3	38.1	1.9	3.9	31.1	90.2	78.5	166.8	14.6	2.3	82.3
341	Metal cans and shipping containers -----	-	4	4	0.4	6.9	0.4	0.8	6.1	25.1	37.9	66.7	(D)	0.4	12.0
3411	Metal cans -----	-	4	4	0.4	6.9	0.4	0.8	6.1	25.1	37.9	66.7	(D)	0.4	12.0
344	Fabricated structural metal products -----	-	16	9	0.7	10.0	0.5	1.0	7.4	17.4	28.1	49.1	0.8	(NA)	(NA)
35	Machinery, except electrical -	E1	52	15	1.0	14.0	0.8	1.4	9.6	29.5	24.2	53.7	1.6	0.8	14.2
36	Electric and electronic equipment -----	-	16	7	0.6	7.3	0.4	0.8	4.5	20.3	15.9	35.0	0.5	(NA)	(NA)
37	Transportation equipment ---	-	15	4	0.3	3.8	0.2	0.4	2.6	5.7	4.1	9.7	0.3	0.6	9.2
39	Miscellaneous manufacturing industries ---	-	17	3	0.3	2.9	0.2	0.4	1.8	5.1	4.0	9.1	0.2	(NA)	(NA)
	Vallejo-Fairfield-Napa SMSA -	-	275	79	9.0	123.2	6.4	12.4	79.4	339.4	962.5	1 294.7	28.4	6.2	165.7

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Vallejo-Fairfield-Napa SMSA—Con.														
20	Food and kindred products --	-	65	22	3.1	46.1	2.2	4.1	29.2	165.7	313.6	468.1	13.5	2.2	82.2
201	Meat products -----	-	5	3	0.4	5.3	0.3	0.6	4.1	11.7	92.3	103.9	(D)	0.3	18.5
2011	Meat packing plants ----	-	5	3	0.4	5.3	0.3	0.6	4.1	11.7	92.3	103.9	(D)	0.3	18.5
245	Wood buildings and mobile homes-----	E1	4	3	0.3	2.9	0.2	0.5	2.2	5.5	9.0	14.3	(D)	(NA)	(NA)
27	Printing and publishing -----	-	42	9	0.8	9.1	0.5	0.8	5.2	17.6	6.4	24.0	2.0	0.5	7.1
2711	Newspapers -----	-	11	7	0.6	6.7	0.3	0.5	3.8	13.5	3.7	17.2	(D)	0.4	5.9
32	Stone, clay, and glass products -----	E1	25	8	0.5	7.0	0.4	0.8	4.6	17.2	18.0	35.2	1.2	0.3	6.6
327	Concrete, gypsum, and plaster products -----	E3	17	6	0.3	3.7	0.2	0.4	2.5	9.1	10.8	19.8	(D)	(NA)	(NA)
34	Fabricated metal products---	E1	25	7	0.6	8.9	0.5	0.9	5.9	23.8	25.7	48.6	0.7	(NA)	(NA)

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies.

(NA) Not available.

(S) Withheld because estimate did not meet publication standards.

(Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

For explanation of terms, see appendix B]

SIC code	County and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Alameda County -----	-	2 057	673	87.0	1 347.8	58.5	114.6	826.6	3 098.9	4 503.7	7 557.1	168.4	80.5	1 778.1
20	Food and kindred products - -	-	167	93	13.4	197.8	9.2	17.2	122.2	658.5	1 070.5	1 722.7	32.2	13.1	403.4
201	Meat products -----	E4	22	9	0.7	10.2	0.6	1.2	7.3	23.5	53.9	77.2	0.8	0.7	13.1
202	Dairy products -----	-	17	10	1.3	18.6	0.5	1.0	7.9	59.1	176.1	234.1	3.6	1.0	29.8
203	Preserved fruits and vegetables -----	-	24	15	3.4	42.4	2.9	5.4	34.5	113.0	192.4	307.2	4.7	3.9	91.9
204	Grain mill products -----	-	10	6	0.9	12.8	0.7	1.4	9.9	69.3	98.9	167.5	1.4	0.9	48.4
205	Bakery products -----	-	29	17	3.6	61.5	1.9	3.7	29.2	139.8	89.0	228.8	11.8	3.0	76.9
2051	Bread, cake, and related products -----	-	23	12	2.1	38.0	1.0	1.9	16.5	75.4	47.6	122.9	(D)	(NA)	(NA)
2052	Cookies and crackers -----	-	6	5	1.5	23.6	0.9	1.8	12.7	64.3	41.4	105.9	(D)	(NA)	(NA)
208	Beverages -----	-	16	10	0.7	10.5	0.4	0.8	6.1	36.4	81.7	117.8	1.4	0.8	36.5
2099	Food preparations, n.e.c. -----	-	22	8	1.0	14.4	0.6	1.1	8.2	53.4	48.4	98.9	3.1	(NA)	(NA)
23	Apparel and other textile products -----	E3	99	22	2.1	14.7	1.8	2.9	11.1	25.4	28.5	53.0	0.8	1.4	10.9
233	Women's and misses' outerwear -----	E2	54	11	0.8	5.3	0.7	1.2	4.4	8.8	4.1	12.8	0.1	(NA)	(NA)
24	Lumber and wood products - -	E1	57	14	1.1	15.7	0.9	1.9	12.6	29.3	22.4	51.7	2.0	1.0	15.1
243	Millwork, plywood, and structural members -----	E2	32	9	0.5	8.6	0.5	0.9	6.8	15.1	12.2	27.3	(D)	0.5	7.7
25	Furniture and fixtures -----	E1	61	20	2.0	24.3	1.6	3.1	17.5	44.6	37.4	81.4	0.9	1.9	31.1
251	Household furniture -----	E1	35	13	1.3	15.7	1.1	2.2	11.4	27.6	25.3	52.6	0.4	1.4	20.6
2512	Upholstered household furniture -----	E1	10	6	0.5	5.6	0.4	0.8	4.1	8.9	7.5	16.3	(D)	(NA)	(NA)
2515	Mattresses and bedsprings -----	-	6	3	0.5	7.9	0.4	1.0	5.6	14.8	14.5	29.0	(D)	(NA)	(NA)
26	Paper and allied products - -	-	48	36	3.6	53.3	2.7	5.4	37.8	109.6	172.2	280.5	8.5	3.2	60.1
2641	Paper coating and glazing -----	-	7	5	0.9	12.3	0.6	1.3	7.9	29.6	42.7	71.7	2.0	(NA)	(NA)
2653	Corrugated and solid fiber boxes -----	-	15	14	1.2	20.3	0.9	1.7	14.1	35.6	73.6	109.0	5.4	(NA)	(NA)
27	Printing and publishing -----	E1	276	36	4.3	57.8	2.8	5.0	35.9	106.9	63.9	170.2	5.3	4.1	69.7
2711	Newspapers -----	-	22	8	1.9	23.8	1.0	1.7	12.4	41.6	16.5	58.1	(D)	(NA)	(NA)
275	Commercial printing -----	E1	163	14	1.5	20.3	1.2	2.1	15.3	36.9	31.3	67.9	(D)	1.4	24.5
2752	Commercial printing, lithographic -----	-	82	8	0.9	13.6	0.8	1.4	10.4	24.3	18.9	43.0	1.9	(NA)	(NA)
28	Chemicals and allied products -----	-	120	46	5.9	93.3	3.4	6.8	45.3	312.2	408.2	710.1	32.3	5.0	188.2
284	Soaps, cleaners, and toilet goods -----	-	27	7	0.8	13.6	0.6	1.2	8.7	93.4	109.4	201.3	2.6	1.3	80.4
2841	Soap and other detergents -----	-	12	4	0.6	9.6	0.4	0.8	6.5	71.1	78.1	147.7	1.8	(NA)	(NA)
2851	Paints and allied products -----	-	30	12	1.1	15.3	0.5	1.1	7.2	49.7	71.6	119.7	(D)	(NA)	(NA)
289	Miscellaneous chemical products -----	-	30	13	1.0	16.7	0.6	1.3	9.6	49.5	63.5	110.5	2.6	1.0	30.9
30	Rubber and miscellaneous plastics products -----	-	74	25	1.8	23.2	1.4	2.8	15.5	54.2	66.1	119.5	2.9	1.5	29.9
3079	Miscellaneous plastics products -----	-	63	20	1.4	16.6	1.1	2.2	11.7	40.4	54.3	94.2	2.6	(NA)	(NA)
32	Stone, clay, and glass products -----	-	88	31	4.7	67.6	3.9	7.2	53.9	127.0	122.4	253.6	15.3	4.1	85.5
327	Concrete, gypsum, and plaster products -----	-	48	19	1.2	18.6	0.9	1.7	12.2	43.5	54.6	96.6	2.8	1.0	25.5
3272	Concrete products, n.e.c. -----	E1	23	12	0.8	11.1	0.6	1.2	7.9	24.6	23.5	46.8	1.7	(NA)	(NA)
33	Primary metal industries -----	-	64	34	4.2	62.0	3.3	6.5	45.8	142.4	159.1	298.8	7.6	4.3	79.2
331	Blast furnace and basic steel products -----	-	13	6	1.2	20.7	0.9	1.9	15.1	47.9	60.2	106.6	(D)	1.9	32.9
3321	Gray iron foundries -----	-	9	7	0.9	11.3	0.7	1.3	8.5	30.9	24.4	55.5	1.9	(NA)	(NA)
3325	Steel foundries, n.e.c. -----	-	3	3	0.5	7.5	0.4	0.9	6.1	17.4	8.6	26.1	(D)	(NA)	(NA)

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
Alameda County—Con.															
33	Primary metal industries—Con.														
336	Nonferrous foundries -----	-	19	11	0.8	9.9	0.6	1.1	7.7	16.5	12.3	28.9	0.6	0.5	9.3
3361	Aluminum foundries-----	-	12	9	0.6	7.8	0.4	0.8	6.1	13.2	8.8	22.1	0.4	(NA)	(NA)
34	Fabricated metal products ---	-	273	111	9.8	158.3	7.5	15.1	111.7	361.5	427.9	781.5	17.0	9.4	209.2
3411	Metal cans -----	-	8	8	2.7	54.3	2.3	4.7	45.3	141.2	221.6	364.1	5.4	(NA)	(NA)
344	Fabricated structural metal products -----	-	92	43	3.1	45.4	2.2	4.5	28.2	90.7	105.7	190.6	5.8	2.6	58.3
3441	Fabricated structural metal -----	-	15	7	0.7	10.7	0.5	1.0	7.2	21.5	36.8	53.8	2.7	(NA)	(NA)
3442	Metal doors, sash, and trim -----	-	18	10	0.7	8.8	0.5	1.1	5.8	19.7	21.7	40.6	1.5	(NA)	(NA)
3443	Fabricated plate work (boiler shops)-----	E2	15	8	0.6	9.6	0.4	0.8	6.5	16.2	11.9	28.0	0.4	(NA)	(NA)
3444	Sheet metal work -----	E1	25	11	0.6	8.8	0.4	1.1	5.5	16.7	16.9	33.4	0.8	(NA)	(NA)
347	Metal services, n.e.c. -----	E1	47	12	0.6	8.3	0.5	1.0	5.9	16.0	5.6	21.5	0.7	0.5	10.0
349	Miscellaneous fabricated metal products -----	-	64	22	1.9	28.1	1.3	2.7	18.2	62.4	47.6	107.1	1.6	1.5	26.9
3494	Valves and pipe fittings--	-	15	9	1.0	17.3	0.7	1.4	11.3	37.9	19.7	55.4	1.1	(NA)	(NA)
35	Machinery, except electrical--	-	314	72	10.4	161.4	6.9	12.6	102.9	288.2	247.3	526.2	18.1	8.6	191.7
353	Construction and related machinery -----	-	17	7	2.6	43.3	1.9	2.9	28.5	76.4	47.3	125.0	3.7	2.0	47.3
354	Metalworking machinery ---	E2	43	7	0.6	9.3	0.5	0.9	6.3	17.9	6.8	24.6	1.1	(NA)	(NA)
355	Special industry machinery -	-	24	8	0.6	9.9	0.4	0.7	5.6	23.7	11.1	34.9	1.3	0.5	11.3
356	General industrial machinery -----	-	36	12	1.8	26.1	0.9	1.7	13.0	53.7	45.6	94.0	1.5	1.3	25.3
3569	General industrial machinery, n.e.c. -----	-	18	6	0.6	10.4	0.3	0.6	4.4	21.5	12.9	34.8	0.4	(NA)	(NA)
357	Office and computing machines-----	-	23	12	3.3	48.5	2.0	3.8	31.9	73.0	110.8	179.5	6.9	1.5	50.5
359	Miscellaneous machinery, except electrical -----	E2	152	21	1.4	21.3	1.1	2.2	15.5	37.5	19.9	56.7	3.2	1.4	23.8
36	Electric and electronic equipment-----	E2	89	32	4.2	54.3	2.8	5.7	31.7	113.6	96.8	204.9	6.6	3.1	55.0
362	Electrical industrial apparatus -----	E2	10	6	1.3	21.7	0.8	1.7	12.2	52.4	47.2	95.4	(D)	(NA)	(NA)
364	Electric lighting and wiring equipment -----	-	15	6	0.8	10.5	0.5	0.9	5.7	17.9	16.2	33.2	0.4	0.8	14.5
366	Communication equipment -	E2	12	7	0.6	8.0	0.3	0.6	3.5	14.7	8.2	22.7	0.9	0.9	13.0
367	Electronic components and accessories -----	E1	29	7	0.9	8.2	0.8	1.6	6.4	13.5	10.8	24.2	1.8	(NA)	(NA)
37	Transportation equipment ---	-	80	27	10.9	210.1	8.8	19.4	166.5	660.5	1 525.5	2 183.2	16.2	10.0	312.0
371	Motor vehicles and equipment -----	-	43	15	8.8	175.7	7.1	16.2	139.9	593.9	1 469.4	2 060.9	15.2	8.4	273.5
373	Ship and boat building and repairing -----	-	24	5	1.4	24.2	1.2	2.3	20.1	42.8	17.7	60.5	0.5	0.8	13.2
38	Instruments and related products -----	E2	67	20	1.3	17.2	0.8	1.5	8.4	38.1	22.0	59.9	1.5	0.9	20.2
384	Medical instruments and supplies-----	E1	26	7	0.5	6.8	0.3	0.5	3.2	14.1	7.6	21.7	0.3	(NA)	(NA)
39	Miscellaneous manufacturing industries -----	E2	74	9	0.7	7.3	0.5	0.8	4.3	11.9	10.0	21.7	0.3	0.9	3.8
--	Administrative and auxiliary --	-	70	39	6.4	124.1	-	-	-	-	-	-	-	(NA)	(NA)
Amador County-----			42	6	1.1	16.1	0.9	2.0	13.4	36.8	43.3	76.7	2.2	0.7	15.9
Butte County-----			174	40	4.4	51.8	3.6	7.0	40.4	113.9	196.2	309.5	5.8	3.7	67.3
20	Food and kindred products --	-	23	10	1.2	13.7	1.0	1.9	10.9	31.4	73.8	107.6	1.0	1.1	22.3
203	Preserved fruits and vegetables-----	-	8	5	0.7	8.3	0.7	1.3	7.7	17.9	37.0	54.8	0.6	(NA)	(NA)
2033	Canned fruits and vegetables-----	-	5	5	0.7	8.1	0.7	1.3	7.6	17.7	36.7	54.3	(D)	(NA)	(NA)
24	Lumber and wood products --	-	39	14	1.6	20.6	1.4	2.9	17.6	44.3	97.8	140.3	2.3	1.2	23.2
243	Millwork, plywood, and structural members-----	E1	13	7	0.9	10.7	0.8	1.7	9.3	19.7	43.0	62.7	0.8	0.6	9.8
35	Machinery, except electrical--	-	22	6	0.6	8.3	0.5	0.9	6.0	19.8	13.0	31.7	0.8	0.5	10.0

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

For explanation of terms, see appendix B]

SIC code	County and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Calaveras County -----	-	33	4	0.5	7.1	0.4	0.7	5.7	19.5	19.0	39.0	(D)	0.5	9.5
	Contra Costa County -----	-	625	161	27.3	460.8	16.9	32.4	257.5	1 635.4	4 113.9	5 695.7	108.2	27.3	637.7
20	Food and kindred products --	-	34	10	2.4	34.9	1.9	3.7	26.3	128.3	289.9	413.1	9.7	(NA)	(NA)
27	Printing and publishing -----	-	95	12	1.9	21.9	0.9	1.7	10.4	43.5	41.6	82.6	1.6	1.0	15.0
2711	Newspapers -----	-	12	7	1.1	10.2	0.3	0.4	2.1	21.3	6.2	27.4	(D)	(NA)	(NA)
275	Commercial printing -----	-	59	3	0.6	9.6	0.5	1.1	7.3	14.4	33.1	45.1	0.6	(NA)	(NA)
28	Chemicals and allied products -----	-	51	27	3.2	62.2	1.8	3.4	29.1	228.5	370.1	604.4	29.7	2.8	116.4
281	Industrial inorganic chemicals -----	-	13	10	0.5	8.3	0.3	0.6	5.0	36.8	37.5	73.8	3.4	(NA)	(NA)
287	Agricultural chemicals -----	-	8	6	0.6	9.2	0.4	0.7	6.0	82.9	94.4	179.7	(D)	(NA)	(NA)
29	Petroleum and coal products -	-	22	10	4.3	82.8	3.0	5.5	54.8	950.2	2 574.5	3 482.5	35.5	(NA)	(NA)
32	Stone, clay, and glass products -----	-	34	11	1.0	17.0	0.9	1.7	12.6	41.4	45.6	87.3	2.6	1.1	30.2
34	Fabricated metal products ---	-	69	19	1.7	27.5	1.4	2.7	20.5	58.4	73.9	137.2	1.9	(NA)	(NA)
341	Metal cans and shipping containers -----	-	4	4	0.5	10.0	0.5	0.9	8.2	19.0	31.3	50.4	(D)	0.6	10.8
344	Fabricated structural metal products -----	-	24	6	0.5	8.6	0.4	0.9	6.1	11.6	16.0	33.6	(D)	(NA)	(NA)
349	Miscellaneous fabricated metal products -----	-	18	7	0.5	7.2	0.4	0.8	5.1	23.4	23.5	45.7	0.4	(NA)	(NA)
35	Machinery, except electrical --	E1	59	8	0.5	7.6	0.4	0.7	4.6	10.2	12.1	26.3	0.7	(NA)	(NA)
36	Electric and electronic equipment -----	-	36	11	1.1	13.9	0.7	1.3	7.1	35.7	25.6	59.7	3.4	0.5	8.2
37	Transportation equipment ---	E1	16	7	0.7	9.1	0.5	0.9	5.3	17.2	11.3	27.3	0.5	0.5	8.5
382	Measuring and controlling devices -----	E1	13	4	0.6	7.5	0.4	0.7	4.7	17.6	7.0	24.4	(D)	0.8	13.9
--	Administrative and auxiliary --	-	20	11	3.1	62.2	-	-	-	-	-	-	-	(NA)	(NA)
	Del Norte County -----	-	39	13	2.1	30.4	1.9	3.9	26.0	65.5	108.2	174.1	5.7	1.6	31.8
24	Lumber and wood products --	-	26	11	2.0	29.5	1.8	3.7	25.2	63.4	103.8	167.5	5.7	1.6	31.4
242	Sawmills and planing mills -	-	7	5	1.0	15.2	0.9	2.0	13.7	32.4	42.3	75.4	0.8	0.9	20.9
2421	Sawmills and planing mills, general -----	-	7	5	1.0	15.2	0.9	2.0	13.7	32.4	42.3	75.4	0.8	(NA)	(NA)
	El Dorado County -----	-	97	14	1.2	14.8	0.9	2.0	10.2	36.4	47.8	83.8	2.6	1.1	16.0
24	Lumber and wood products --	-	43	7	0.7	9.8	0.6	1.5	8.0	23.8	34.3	59.3	1.3	0.8	11.0
	Fresno County (Coextensive with Fresno, Calif., SMSA; see table 6.)	-													
	Glenn County -----	-	36	10	1.0	11.5	0.8	1.5	9.0	29.0	67.0	99.2	2.4	0.6	11.7
	Humboldt County -----	-	301	67	8.8	125.2	7.4	15.0	101.0	341.0	453.6	786.8	19.3	9.6	220.6
20	Food and kindred products --	-	22	8	0.8	7.1	0.6	1.1	5.1	15.4	36.0	51.0	(D)	0.6	13.2
24	Lumber and wood products --	-	212	46	6.6	96.8	5.8	12.0	81.9	263.7	339.3	602.5	13.4	7.9	180.3
2411	Logging camps and logging contractors -----	E1	134	8	1.0	13.3	0.9	1.6	11.6	29.2	61.2	93.5	4.4	(NA)	(NA)
242	Sawmills and planing mills -	-	53	29	4.5	66.2	3.9	8.3	55.9	198.3	227.4	422.3	5.3	4.5	109.3
	Imperial County -----	-	63	19	1.6	18.7	1.2	2.6	13.1	46.0	83.7	134.9	7.1	1.4	38.9
20	Food and kindred products --	E1	17	7	0.5	5.6	0.4	0.8	4.2	13.4	43.4	60.5	(D)	0.6	16.3

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Imperial County—Con.														
32	Stone, clay, and glass products -----	-	6	3	0.5	6.3	0.4	0.8	4.3	19.1	15.9	34.9	1.1	(NA)	(NA)
327	Concrete, gypsum, and plaster products -----	-	6	3	0.5	6.3	0.4	0.8	4.3	19.1	15.9	34.9	1.1	(NA)	(NA)
	Kern County (Coextensive with Bakersfield, Calif., SMSA; see table 6.)														
	Kings County -----	-	59	25	3.1	41.2	2.3	4.6	27.7	114.0	395.4	507.8	5.0	2.3	52.2
20	Food and kindred products --	-	16	10	0.7	10.4	0.6	1.2	7.7	36.4	155.2	193.2	1.4	0.6	15.6
	Lassen County -----	-	27	10	0.6	10.4	0.6	1.2	9.0	30.1	38.2	67.8	1.9	0.7	14.7
24	Lumber and wood products --	-	17	9	0.6	9.7	0.5	1.2	8.6	28.8	37.3	65.7	1.8	0.7	14.2
	Los Angeles County (Coextensive with Los Angeles-Long Beach, Calif., SMSA; see table 6.)														
	Madera County -----	-	76	20	2.7	35.4	2.1	4.2	27.0	105.6	200.3	301.8	10.6	2.1	47.2
20	Food and kindred products --	-	18	6	1.1	14.8	0.8	1.6	10.6	53.5	145.1	193.8	(D)	1.0	24.4
24	Lumber and wood products --	-	19	4	0.5	7.8	0.5	1.1	6.8	16.2	17.5	33.3	1.2	(NA)	(NA)
	Marin County -----	-	320	31	3.6	46.8	2.1	4.0	21.8	95.3	77.2	170.9	5.4	3.2	63.3
27	Printing and publishing -----	E2	86	2	0.5	7.1	0.3	0.4	2.5	17.4	6.4	23.7	0.9	0.6	11.7
36	Electric and electronic equipment -----	E3	22	5	1.0	12.7	0.6	1.2	6.7	30.7	28.1	58.3	1.8	(NA)	(NA)
	Mendocino County -----	-	179	47	4.2	56.1	3.6	6.8	44.8	119.1	218.4	333.5	19.5	4.4	95.6
24	Lumber and wood products --	-	109	34	3.0	43.5	2.6	5.3	36.7	91.3	178.9	267.3	16.0	3.7	84.3
2411	Logging camps and logging contractors ----	E1	72	13	0.8	9.9	0.7	1.2	8.4	24.9	32.5	55.7	(D)	(NA)	(NA)
242	Sawmills and planing mills -	-	23	13	1.4	21.5	1.2	2.7	18.8	48.7	104.5	151.5	(D)	2.3	56.6
	Merced County -----	-	105	43	4.5	49.2	3.9	7.1	38.7	214.5	434.9	642.3	27.3	4.5	149.4
20	Food and kindred products --	-	29	17	2.2	25.5	1.9	3.4	21.3	143.2	342.7	479.0	22.4	3.1	127.7
202	Dairy products-----	-	8	6	0.5	7.1	0.4	0.9	6.1	26.9	130.6	157.7	1.2	0.5	18.7
203	Preserved fruits and vegetables-----	-	7	6	1.1	10.5	1.0	1.5	8.9	45.5	73.9	118.9	2.6	0.5	10.1
37	Transportation equipment ---	E1	9	4	0.5	5.2	0.5	0.8	4.3	15.2	20.6	35.5	0.7	(NA)	(NA)
	Monterey County (Coextensive with Salinas-Seaside-Monterey, Calif., SMSA; see table 6.)														
	Nevada County -----	-	86	14	1.4	18.1	1.2	2.1	14.6	51.5	38.6	87.3	6.0	0.8	20.4
24	Lumber and wood products --	-	38	10	0.8	11.5	0.8	1.4	10.1	32.7	31.0	62.1	4.9	0.6	13.8
	Orange County (Coextensive with Anaheim-Santa Ana-Garden Grove, Calif., SMSA; see table 6.)														
	Placer County -----	-	112	22	2.4	32.2	2.0	3.8	23.7	98.9	135.9	236.4	6.7	1.8	46.8
24	Lumber and wood products --	-	36	11	0.9	12.4	0.8	1.6	10.5	26.1	45.7	72.4	3.7	(NA)	(NA)
	Plumas County -----	-	37	9	1.0	15.1	0.9	1.8	13.1	32.3	52.1	84.1	2.6	1.1	23.4
24	Lumber and wood products --	-	32	9	1.0	14.9	0.9	1.8	13.0	31.2	51.7	82.6	(D)	1.1	23.1
242	Sawmills and planing mills -	-	8	5	0.7	11.1	0.6	1.2	9.6	22.8	38.2	61.0	2.0	0.8	19.7

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies.
For explanation of terms, see appendix B]

For explanation of terms, see appendix B]		1977												1972	
SIC code	County and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Plumas County—Con.														
24	Lumber and wood products—Con.														
242	Sawmills and planing mills—Con.														
2421	Sawmills and planing mills, general -----	-	8	5	0.7	11.1	0.6	1.2	9.6	22.8	38.2	61.0	2.0	(NA)	(NA)
	Riverside County -----	-	704	191	23.4	282.2	16.9	32.3	172.5	652.1	723.6	1 372.1	71.0	20.7	328.8
20	Food and kindred products --	E1	45	15	1.9	19.9	1.2	2.4	11.3	63.6	113.6	176.5	27.5	1.2	19.7
208	Beverages -----	-	6	4	0.8	9.1	0.5	1.0	4.7	38.1	32.6	70.1	(D)	(NA)	(NA)
23	Apparel and other textile products -----	E3	43	9	0.7	4.6	0.6	1.0	3.3	9.9	9.3	18.5	(D)	(NA)	(NA)
24	Lumber and wood products --	E1	62	24	3.1	34.1	2.6	4.9	25.0	72.7	137.9	209.4	3.8	2.9	42.1
245	Wood buildings and mobile homes -----	E1	27	19	2.8	31.3	2.4	4.5	23.0	65.4	128.2	192.9	3.6	2.3	34.2
27	Printing and publishing -----	E1	100	16	1.4	15.8	0.7	1.2	7.8	49.6	22.0	71.6	4.3	1.6	28.4
2711	Newspapers -----	-	25	7	0.9	9.0	0.4	0.6	3.9	35.0	10.3	45.3	2.7	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	-	30	11	1.2	12.1	0.9	1.6	7.0	35.4	18.3	53.8	(D)	0.6	7.3
32	Stone, clay, and glass products -----	-	63	21	2.2	32.0	1.7	3.5	25.2	104.5	81.1	183.1	(D)	2.2	46.0
327	Concrete, gypsum, and plaster products -----	-	33	9	0.6	8.3	0.4	0.8	5.9	22.4	24.0	46.3	4.2	0.7	19.4
329	Miscellaneous nonmetallic mineral products -----	-	10	4	0.7	9.7	0.6	1.1	7.4	38.3	26.6	64.7	2.9	(NA)	(NA)
33	Primary metal industries -----	-	16	9	1.3	17.6	1.0	2.1	12.5	36.1	51.7	87.2	(D)	2.1	39.1
336	Nonferrous foundries -----	-	4	3	0.5	5.7	0.4	0.7	3.4	9.6	5.6	15.0	(D)	(NA)	(NA)
34	Fabricated metal products ---	E1	68	17	1.3	13.5	1.0	2.0	9.6	33.3	38.4	71.8	2.9	1.0	16.4
354	Metalworking machinery ---	-	17	3	0.5	7.0	0.3	0.6	3.7	9.5	11.3	20.5	(D)	(NA)	(NA)
37	Transportation equipment ---	-	61	28	3.5	44.4	2.8	4.9	31.4	86.4	130.4	222.1	5.0	2.7	40.9
371	Motor vehicles and equipment -----	-	19	7	0.8	11.7	0.7	1.3	8.3	24.5	68.1	94.2	0.7	(NA)	(NA)
3792	Travel trailers and campers -----	E1	26	17	1.1	10.5	0.9	1.6	7.1	19.7	43.2	62.7	0.6	(NA)	(NA)
	Sacramento County -----	-	614	136	17.7	253.7	11.8	23.3	145.7	665.4	875.0	1 530.6	35.9	15.7	400.2
20	Food and kindred products --	-	59	24	5.1	72.0	3.6	7.2	47.8	199.1	430.5	628.4	10.4	5.0	134.8
2033	Canned fruits and vegetables -----	-	4	3	1.2	14.3	1.1	2.1	13.0	25.7	64.5	90.1	1.9	(NA)	(NA)
24	Lumber and wood products --	E1	79	26	2.0	21.5	1.7	3.7	16.8	43.0	75.0	116.8	3.0	1.4	20.4
243	Millwork, plywood, and structural members -----	E1	46	11	0.6	7.0	0.5	1.4	5.1	12.8	25.6	38.0	1.3	0.6	8.5
245	Wood buildings and mobile homes -----	E3	6	5	0.6	6.7	0.5	1.0	5.4	14.8	23.0	37.8	1.0	(NA)	(NA)
27	Printing and publishing -----	-	117	12	2.0	29.6	0.9	1.7	13.4	59.4	27.6	86.9	2.4	1.7	32.7
275	Commercial printing -----	E2	70	8	0.5	6.6	0.4	0.7	4.2	10.9	12.2	22.9	0.7	(NA)	(NA)
32	Stone, clay, and glass products -----	-	33	12	0.6	9.4	0.4	0.9	6.0	19.7	23.1	42.7	1.9	(NA)	(NA)
34	Fabricated metal products ---	-	55	19	1.5	22.5	1.2	2.5	16.5	91.1	108.0	197.5	2.6	1.2	40.9
344	Fabricated structural metal products -----	-	28	12	0.8	10.5	0.6	1.2	6.5	18.9	28.7	47.3	(D)	(NA)	(NA)
35	Machinery, except electrical --	E1	48	5	0.7	10.0	0.4	0.8	5.0	21.1	14.7	34.9	1.5	(NA)	(NA)
	San Benito County -----	-	37	13	1.9	22.1	1.5	3.0	15.6	62.0	64.0	124.2	4.0	1.6	34.2
20	Food and kindred products --	-	8	3	0.8	9.1	0.7	1.4	7.8	36.3	42.2	77.0	2.2	0.5	10.1
	San Bernardino County -----	-	977	270	36.2	502.1	27.9	51.2	345.9	1 194.8	1 367.9	2 546.7	186.9	35.6	667.9
20	Food and kindred products --	E1	79	20	2.5	25.9	1.8	3.2	17.0	92.5	183.9	283.1	3.1	3.1	56.0

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	San Bernardino County—Con.														
23	Apparel and other textile products -----	E3	51	18	1.6	10.2	1.4	2.3	7.7	18.3	15.0	33.2	(D)	1.1	14.1
233	Women's and misses' outerwear -----	E4	30	13	1.0	6.0	0.9	1.5	5.2	9.4	3.6	12.9	(D)	(NA)	(NA)
2335	Women's and misses' dresses -----	E8	17	6	0.6	3.2	0.5	0.9	2.8	4.6	1.4	6.0	0.1	(NA)	(NA)
24	Lumber and wood products --	-	74	20	1.7	17.9	1.4	2.7	13.0	38.2	66.9	104.9	2.0	1.8	30.1
243	Millwork, plywood, and structural members -----	-	41	8	0.6	6.0	0.5	0.8	3.9	13.3	28.3	42.0	0.7	(NA)	(NA)
245	Wood buildings and mobile homes -----	-	11	7	0.8	7.6	0.6	1.3	5.6	16.9	29.0	45.9	0.9	1.1	15.7
25	Furniture and fixtures -----	E1	27	6	0.7	7.0	0.6	1.2	5.3	17.0	14.7	31.5	0.3	0.5	9.9
251	Household furniture -----	E1	15	6	0.7	6.5	0.6	1.1	5.0	15.8	13.8	29.4	0.3	(NA)	(NA)
27	Printing and publishing -----	E1	94	13	1.5	14.2	0.7	1.2	6.7	31.2	12.1	43.2	1.7	1.5	24.7
2711	Newspapers -----	-	21	8	1.0	8.6	0.3	0.5	3.0	21.8	5.6	27.4	0.8	(NA)	(NA)
28	Chemicals and allied products -----	-	40	10	0.7	9.9	0.4	0.9	4.8	48.8	58.2	104.6	(D)	0.7	25.4
30	Rubber and miscellaneous plastics products -----	E1	59	20	1.5	15.2	1.2	2.2	10.2	38.3	46.0	82.6	(D)	1.1	13.6
32	Stone, clay, and glass products -----	-	69	34	3.4	51.8	2.6	4.9	38.0	172.6	111.7	285.0	(D)	3.3	91.1
327	Concrete, gypsum, and plaster products -----	E1	42	19	1.0	14.6	0.7	1.3	8.6	35.6	38.4	74.6	5.4	0.8	20.9
329	Miscellaneous nonmetallic mineral products -----	-	7	4	0.5	6.5	0.4	0.8	4.7	15.7	10.1	25.3	2.0	(NA)	(NA)
33	Primary metal industries -----	-	31	15	8.3	173.4	6.4	11.9	121.4	324.6	378.1	689.0	(D)	9.2	154.5
34	Fabricated metal products ---	-	107	39	3.2	44.5	2.6	5.1	31.6	88.2	132.1	218.3	7.7	3.3	53.7
3441	Fabricated structural metal -----	-	8	4	0.9	14.4	0.8	1.5	11.6	22.2	21.9	44.0	4.3	(NA)	(NA)
35	Machinery, except electrical --	E1	154	26	2.0	25.2	1.4	2.7	16.0	46.6	44.3	92.9	2.3	1.7	32.7
37	Transportation equipment ---	-	59	20	4.7	56.8	3.9	6.4	40.2	157.9	190.7	344.7	4.3	5.3	100.2
371	Motor vehicles and equipment -----	-	25	10	2.2	23.5	1.8	3.2	17.4	55.8	150.5	198.9	2.3	0.8	14.9
38	Instruments and related products -----	-	26	7	0.7	7.0	0.5	0.9	3.8	20.0	8.6	28.1	1.1	(NA)	(NA)
San Diego County (Coextensive with San Diego, Calif., SMSA; see table 6.)															
San Francisco County (See table 8.)															
San Joaquin County (Coextensive with Stockton, Calif., SMSA; see table 6.)															
	San Luis Obispo County -----	-	160	27	2.4	24.5	1.9	3.8	16.4	88.1	149.7	236.2	5.7	1.2	26.5
36	Electric and electronic equipment -----	-	12	6	0.9	8.1	0.8	1.7	6.1	24.8	15.2	38.8	0.8	(NA)	(NA)
	San Mateo County -----	-	1 071	268	32.4	491.5	18.3	35.5	234.2	922.0	1 022.6	1 919.5	59.8	29.5	601.3
20	Food and kindred products --	-	61	24	3.1	45.9	2.1	4.0	28.3	171.0	380.9	548.6	11.0	2.7	100.6
205	Bakery products -----	E1	13	4	0.8	12.7	0.4	0.7	4.9	29.1	13.2	42.2	0.6	(NA)	(NA)
206	Sugar and confectionery products -----	-	9	4	0.7	8.7	0.6	1.1	6.5	25.3	54.1	80.2	(D)	(NA)	(NA)
208	Beverages -----	-	11	6	0.7	10.8	0.5	1.0	7.7	86.1	66.1	152.1	2.3	(NA)	(NA)
2085	Distilled liquor, except brandy -----	-	3	3	0.5	8.0	0.4	0.8	6.3	73.7	53.4	126.9	(D)	(NA)	(NA)
25	Furniture and fixtures -----	E1	34	5	0.5	5.9	0.4	0.6	3.7	10.2	8.5	18.5	0.2	0.6	7.8

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies.
For explanation of terms, see appendix B]

Includes counties with 450 employees or more in 1977. For explanation of terms, see appendix B.															
SIC code	County and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
San Mateo County—Con.															
2642	Envelopes -----	-	4	3	0.5	6.3	0.3	0.6	4.1	11.2	8.3	19.1	0.4	(NA)	(NA)
27	Printing and publishing -----	-	161	39	3.6	49.5	1.6	3.0	21.4	112.2	78.6	187.3	4.2	2.5	56.7
2731	Book publishing -----	-	12	6	0.8	9.6	0.1	0.1	1.0	31.7	15.1	43.5	(D)	(NA)	(NA)
275	Commercial printing -----	-	84	16	1.3	19.7	1.0	1.9	14.3	42.0	41.7	83.6	1.9	1.0	19.5
2752	Commercial printing, lithographic -----	-	43	6	0.6	10.9	0.5	1.0	8.5	22.5	18.7	40.8	1.0	(NA)	(NA)
28	Chemicals and allied products -----	-	52	16	1.5	24.8	0.9	1.8	13.7	84.8	107.5	191.0	8.0	1.5	55.0
2851	Paints and allied products -----	-	15	6	0.8	11.9	0.5	1.0	6.6	50.3	60.7	109.6	1.0	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	E1	32	12	3.1	54.5	1.6	3.1	22.9	70.3	70.0	128.8	(D)	2.5	55.0
32	Stone, clay, and glass products -----	E2	35	8	0.5	7.0	0.4	0.8	4.9	14.2	20.7	35.0	1.0	0.6	12.0
34	Fabricated metal products ---	-	107	28	2.6	35.6	1.8	3.5	21.3	76.6	51.3	124.5	5.7	2.3	44.2
343	Plumbing and heating, except electric -----	-	5	3	0.6	7.0	0.4	0.8	4.1	14.3	10.9	25.2	0.7	(NA)	(NA)
344	Fabricated structural metal products -----	-	41	8	0.9	13.0	0.7	1.2	7.8	29.6	22.4	48.5	3.6	1.2	20.9
3444	Sheet metal work -----	-	11	5	0.5	6.4	0.4	0.8	3.7	13.0	11.4	25.0	(D)	(NA)	(NA)
35	Machinery, except electrical --	E1	209	23	2.4	38.9	1.6	3.3	24.4	72.5	43.8	115.4	3.1	2.7	55.2
355	Special industry machinery --	-	17	5	0.6	8.8	0.3	0.7	5.2	15.5	11.9	27.1	0.4	(NA)	(NA)
359	Miscellaneous machinery, except electrical -----	E2	126	5	0.7	10.6	0.6	1.2	7.5	19.6	6.8	26.2	1.7	0.8	12.4
3599	Machinery, except electrical, n.e.c. -----	E2	126	5	0.7	10.6	0.6	1.2	7.5	19.6	6.8	26.2	1.7	(NA)	(NA)
36	Electric and electronic equipment -----	-	83	29	7.8	114.2	4.1	8.1	49.4	185.6	111.2	284.6	8.6	7.8	125.6
366	Communication equipment --	-	26	12	5.0	75.6	2.1	4.0	24.9	110.4	67.3	168.3	4.5	5.5	88.5
367	Electronic components and accessories -----	-	30	10	2.2	30.2	1.6	3.4	19.7	57.2	28.6	83.0	3.7	1.9	29.2
38	Instruments and related products -----	-	40	11	1.0	15.6	0.6	1.2	7.7	26.3	20.5	47.9	1.6	1.0	24.4
39	Miscellaneous manufacturing industries -----	-	47	14	0.8	8.2	0.6	1.1	5.1	20.8	15.3	36.0	0.7	(NA)	(NA)
399	Miscellaneous manufactures -----	E1	29	7	0.6	5.8	0.4	0.8	3.5	10.4	8.3	18.6	0.3	0.8	8.8
--	Administrative and auxiliary --	-	54	24	2.3	45.9	-	-	-	-	-	-	-	(NA)	(NA)
Santa Barbara County (Coextensive with Santa Barbara-Santa Maria-Lompoc, Calif., SMSA; see table 6.)															
Santa Clara County (Coextensive with San Jose, Calif., SMSA; see table 6.)															
Santa Cruz County (Coextensive with Santa Cruz, Calif., SMSA; see table 6.)															
Shasta County-----															
24	Lumber and wood products --	-	212	39	4.3	66.4	3.7	7.6	53.4	140.1	256.8	396.1	12.5	4.7	87.2
242	Sawmills and planing mills --	-	124	26	3.0	43.9	2.6	5.4	37.1	86.4	177.2	263.2	7.4	3.3	65.1
2421	Sawmills and planing mills, general -----	-	14	9	1.3	21.6	1.1	2.6	18.3	35.4	88.1	123.6	4.4	1.2	25.4
243	Millwork, plywood, and structural members -----	-	14	9	1.3	21.6	1.1	2.6	18.3	35.4	88.1	123.6	4.4	(NA)	(NA)
2431	Millwork -----	-	22	8	1.0	13.5	0.9	1.7	11.6	22.6	60.0	81.6	0.7	1.3	24.7
		-	10	5	0.5	5.4	0.4	0.7	4.5	9.6	25.4	34.9	0.2	(NA)	(NA)
Siskiyou County -----															
24	Lumber and wood products --	-	97	28	2.4	35.1	2.1	4.2	30.3	91.2	131.1	219.8	7.5	2.6	59.1
		-	60	26	2.2	32.7	2.0	4.0	28.9	85.9	121.9	205.1	7.1	2.4	56.6

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Siskiyou County—Con.														
24	Lumber and wood products—Con.														
242	Sawmills and planing mills -	-	14	8	1.1	17.2	1.0	2.0	15.2	55.9	69.2	123.3	1.7	1.4	38.8
	Sonoma County (Coextensive with Santa Rosa, Calif., SMSA; see table 6.)														
	Stanislaus County (Coextensive with Modesto, Calif., SMSA; see table 6.)														
	Sutter County -----	-	58	17	2.2	21.7	2.0	3.6	18.4	86.0	93.9	176.1	7.7	2.0	36.4
20	Food and kindred products --	-	14	4	1.3	12.5	1.3	2.4	11.6	66.2	62.3	124.8	(D)	0.7	10.8
24	Lumber and wood products --	-	14	5	0.5	4.8	0.4	0.7	4.0	10.2	24.1	34.3	(D)	0.5	10.1
	Tehama County -----	-	62	19	2.2	31.1	1.9	4.3	26.3	70.0	116.3	182.5	3.0	2.3	46.3
24	Lumber and wood products --	-	31	12	1.5	21.7	1.3	2.9	19.5	48.8	86.6	132.8	1.8	1.5	32.4
242	Sawmills and planing mills -	-	7	6	0.8	12.7	0.7	1.7	11.4	27.8	48.3	74.7	0.9	(NA)	(NA)
2421	Sawmills and planing mills, general -----	-	7	6	0.8	12.7	0.7	1.7	11.4	27.8	48.3	74.7	0.9	(NA)	(NA)
	Trinity County -----	-	34	9	0.6	8.7	0.5	1.1	7.7	22.3	29.4	49.9	1.2	0.7	14.2
24	Lumber and wood products --	-	29	9	0.6	8.6	0.5	1.1	7.6	21.9	29.0	49.0	1.2	0.5	11.4
	Tulare County -----	-	267	94	10.0	107.7	7.7	15.0	75.9	286.9	537.0	819.1	19.3	7.7	167.9
20	Food and kindred products --	-	36	17	2.1	22.8	1.6	3.2	16.4	72.6	294.9	368.1	11.9	1.5	37.7
203	Preserved fruits and vegetables -----	-	12	6	1.0	10.2	0.9	1.8	8.5	23.3	51.0	74.8	4.5	0.6	17.4
24	Lumber and wood products --	-	36	14	1.4	16.5	1.2	2.4	13.0	34.0	45.1	78.0	1.0	1.1	37.3
242	Sawmills and planing mills -	-	5	3	0.6	8.5	0.5	1.1	7.3	19.2	21.8	40.5	0.3	0.6	20.5
2421	Sawmills and planing mills, general -----	-	6	3	0.6	8.5	0.5	1.1	7.3	19.2	21.8	40.5	0.3	(NA)	(NA)
27	Printing and publishing -----	-	27	9	1.6	17.0	1.2	2.3	12.3	55.1	34.0	88.0	1.4	1.6	29.4
33	Primary metal industries -----	-	4	4	0.5	5.9	0.4	0.8	4.7	13.4	21.7	34.4	0.2	0.5	14.6
34	Fabricated metal products ---	-	20	8	0.7	8.4	0.5	1.1	5.0	26.6	30.9	56.7	0.6	0.5	14.4
35	Machinery, except electrical --	E2	38	11	0.5	6.8	0.4	0.8	4.3	14.6	15.3	29.9	1.0	(NA)	(NA)
36	Electric and electronic equipment -----	-	10	6	0.9	9.4	0.7	1.3	6.6	24.3	27.6	50.3	(D)	0.8	13.9
	Tuolumne County -----	-	42	11	0.9	14.3	0.8	1.6	11.5	32.4	31.2	60.9	2.0	1.0	20.0
24	Lumber and wood products --	-	21	8	0.8	12.9	0.7	1.5	10.5	29.4	29.2	55.9	1.6	1.0	18.6
	Ventura County (Coextensive with Oxnard-Simi Valley-Ventura, Calif., SMSA; see table 6.)														
2044	Yolo County -----	-	150	52	5.4	66.8	4.5	8.6	47.4	213.9	365.9	564.0	11.9	4.3	99.2
206	Rice milling -----	-	6	5	0.6	9.2	0.5	0.9	6.7	46.0	122.1	158.9	(D)	(NA)	(NA)
	Sugar and confectionery products -----	-	3	3	0.6	6.5	0.5	1.1	5.2	22.1	47.2	67.2	(D)	(NA)	(NA)
24	Lumber and wood products --	E2	19	13	1.4	15.7	1.2	2.4	11.6	30.6	59.7	89.8	5.0	0.9	12.0
	Yuba County -----	-	43	14	1.2	12.9	1.0	1.9	9.8	27.3	42.8	69.2	2.6	1.2	19.9
24	Lumber and wood products --	E1	20	9	0.9	10.3	0.7	1.5	8.3	21.8	38.3	59.2	2.0	0.9	14.6

Note: "County" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹ Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
² Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

Explanation of terms, see appendix B1

SIC code	City and industry	1977											1972		
		E1	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital ex- pend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Alameda -----	-	45	9	1.9	32.0	1.4	2.5	22.5	55.9	41.8	98.1	2.0	2.1	30.0
	Albany -----	-	16	6	0.6	8.0	0.3	0.5	2.7	26.5	23.0	49.3	0.7	(NA)	(NA)
	Alhambra -----	-	140	42	3.0	34.8	2.3	4.6	22.1	80.9	70.7	150.8	3.5	2.5	39.7
33	Primary metal industries -----	-	8	5	0.7	8.1	0.6	1.2	6.3	18.3	23.5	41.3	(D)	0.6	10.9
34	Fabricated metal products ---	-	22	7	0.5	6.6	0.4	0.8	3.8	10.9	7.6	18.8	0.3	0.6	9.0
	Altadena (U) -----	-	16	4	0.6	7.2	0.3	0.7	2.0	17.7	7.6	25.0	0.5	(NA)	(NA)
	Anaheim -----	-	762	241	39.5	579.3	22.1	42.8	237.0	1 179.9	894.9	2 070.7	67.6	30.4	672.7
20	Food and kindred products --	-	25	16	1.9	22.3	1.4	2.8	15.6	85.0	128.8	214.6	4.7	1.2	45.8
203	Preserved fruits and vegetables-----	E2	9	7	0.7	7.2	0.6	1.2	5.7	29.2	42.2	71.0	1.2	(NA)	(NA)
209	Miscellaneous foods and kindred products-----	-	5	4	0.6	7.6	0.5	1.0	6.4	36.4	58.3	95.7	(D)	(NA)	(NA)
25	Furniture and fixtures -----	E1	25	9	0.5	4.9	0.4	0.7	3.4	10.3	8.6	18.7	0.7	(NA)	(NA)
26	Paper and allied products ---	-	14	6	0.8	11.3	0.6	1.2	7.5	21.0	41.3	62.5	2.3	0.8	18.7
27	Printing and publishing -----	E2	88	17	1.2	13.2	0.8	1.4	8.9	28.0	20.6	49.9	1.0	1.4	25.7
275	Commercial printing -----	E1	59	11	0.8	9.4	0.6	1.1	7.1	18.9	17.0	37.2	0.8	(NA)	(NA)
2752	Commercial printing, lithographic -----	E1	24	8	0.5	6.9	0.4	0.8	5.3	14.0	14.1	29.5	0.5	(NA)	(NA)
28	Chemicals and allied products -----	-	25	10	0.8	10.0	0.5	0.8	4.9	59.5	54.7	116.5	8.2	0.7	49.1
30	Rubber and miscellaneous plastics products -----	E1	40	17	1.9	17.9	1.5	2.8	11.4	44.5	45.5	89.8	(D)	1.1	16.9
3079	Miscellaneous plastics products-----	-	34	14	1.4	14.5	1.2	2.3	10.5	38.1	42.5	80.4	(D)	(NA)	(NA)
33	Primary metal industries -----	-	15	8	0.6	6.4	0.5	1.0	4.5	10.4	35.6	46.1	0.6	(NA)	(NA)
34	Fabricated metal products ---	-	92	26	3.6	43.9	2.7	5.3	29.5	110.8	67.8	171.8	3.2	2.4	50.2
344	Fabricated structural metal products -----	-	25	9	0.6	7.5	0.4	0.8	4.6	15.0	13.5	28.3	1.5	(NA)	(NA)
349	Miscellaneous fabricated metal products -----	-	16	4	0.5	6.9	0.3	0.5	3.1	20.8	6.0	22.0	0.1	(NA)	(NA)
35	Machinery, except electrical --	-	148	34	6.7	95.8	3.5	6.4	35.9	191.5	134.4	323.4	10.2	2.9	62.3
3599	Machinery, except electrical, n.e.c. -----	E2	68	8	0.9	11.1	0.8	1.3	8.1	25.3	9.5	31.7	1.3	(NA)	(NA)
36	Electric and electronic equipment-----	-	87	37	15.2	279.5	6.0	11.7	78.2	494.5	214.8	715.0	26.5	15.4	341.7
366	Communication equipment -	-	15	9	11.3	227.7	3.4	6.8	49.8	375.4	112.4	499.1	13.4	(NA)	(NA)
367	Electronic components and accessories -----	-	32	13	1.7	23.4	1.0	1.9	9.3	50.9	46.0	97.5	(D)	(NA)	(NA)
369	Miscellaneous electrical equipment and supplies --	-	8	5	0.7	12.4	0.6	1.3	10.3	28.0	29.3	51.6	(D)	(NA)	(NA)
37	Transportation equipment ---	-	49	17	2.4	24.2	1.9	4.0	15.8	49.5	80.2	127.9	4.3	1.2	23.5
371	Motor vehicles and equipment -----	-	19	4	1.2	10.6	1.1	2.4	7.7	22.8	52.5	74.3	(D)	(NA)	(NA)
373	Ship and boat building and repairing -----	E1	13	6	0.5	4.8	0.4	0.7	3.3	9.6	18.8	28.0	(D)	(NA)	(NA)
3732	Boat building and repairing-----	E1	13	6	0.5	4.8	0.4	0.7	3.3	9.6	18.8	28.0	(D)	(NA)	(NA)
38	Instruments and related products -----	-	29	10	1.4	17.7	0.9	1.6	7.8	37.8	14.0	51.1	1.0	0.8	9.3
382	Measuring and controlling devices -----	-	11	4	0.6	7.2	0.4	0.8	3.3	15.2	6.6	21.5	0.5	(NA)	(NA)
--	Administrative and auxiliary --	-	19	8	0.8	12.9	-	-	-	-	-	-	-	(NA)	(NA)
	Anderson -----	-	25	6	1.0	14.4	0.8	1.8	11.6	24.2	59.1	83.0	2.1	1.3	19.2
	Antioch -----	-	14	4	0.5	4.8	0.4	0.6	3.6	13.8	12.4	25.1	(D)	1.9	49.2

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B.]

SIC code	City and industry	1977												1972	
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
36	Arcadia -----	-	75	15	1.3	16.4	0.9	1.8	11.0	36.8	24.0	59.2	2.8	2.3	41.1
	Electric and electronic equipment -----	E8	12	5	0.5	6.6	0.3	0.6	5.3	14.3	8.3	21.8	(D)	(NA)	(NA)
24	Arcata -----	-	62	16	1.8	24.7	1.6	3.4	20.3	66.7	76.6	142.6	2.8	1.8	33.0
	Lumber and wood products --	-	44	13	1.6	22.1	1.5	3.3	19.6	64.8	75.1	139.1	(D)	1.7	31.9
34	Azusa -----	-	130	43	5.4	76.7	3.8	7.4	42.2	187.3	187.9	372.6	10.4	5.4	96.7
	Fabricated metal products ---	E3	23	6	0.5	6.3	0.4	0.8	4.7	11.2	7.5	18.8	0.3	1.1	18.6
	Baldwin Park -----	-	99	20	1.4	14.4	1.0	2.0	9.9	29.1	20.2	48.6	1.4	2.0	34.8
	Banning -----	-	17	5	1.5	14.1	1.0	2.0	7.5	30.2	9.7	39.4	(D)	(D)	(D)
	Beaumont -----	-	21	5	0.7	8.5	0.5	1.1	6.0	31.8	21.1	52.3	3.5	(NA)	(NA)
	Bell -----	-	33	11	0.6	7.8	0.5	0.9	5.0	25.2	21.5	46.5	0.5	1.3	22.6
	Bellflower -----	-	56	10	0.7	7.3	0.5	1.0	4.7	15.7	21.1	36.4	1.2	0.8	11.0
	Bell Gardens -----	-	83	23	1.8	21.1	1.5	3.0	14.4	42.4	33.1	75.4	2.3	2.1	31.9
	Belmont -----	-	47	14	1.2	18.5	0.4	0.8	4.7	26.6	22.6	48.1	1.1	1.5	24.0
	Berkeley -----	-	250	59	8.3	118.0	5.1	9.8	61.0	231.0	254.0	482.4	8.1	8.4	183.7
20	Food and kindred products --	-	8	3	0.6	9.0	0.3	0.6	4.2	19.5	21.2	40.6	1.2	0.8	25.9
27	Printing and publishing -----	E2	63	8	0.7	11.2	0.5	0.8	7.1	20.0	13.3	33.2	1.1	0.7	12.6
28	Chemicals and allied products -----	-	21	9	2.0	31.8	1.2	2.4	13.6	80.3	106.9	184.5	1.6	1.9	78.2
33	Primary metal industries -----	-	11	6	0.6	9.6	0.5	1.0	7.2	18.5	14.0	34.1	0.4	0.5	10.0
35	Machinery, except electrical --	-	32	9	1.3	18.3	0.7	1.2	8.9	34.2	34.8	67.4	1.0	1.1	25.2
	Beverly Hills -----	-	195	22	2.2	35.0	0.9	1.8	8.9	56.6	41.7	97.8	1.8	2.3	30.7
	Administrative and auxiliary --	-	8	4	0.6	16.0	-	-	-	-	-	-	-	(NA)	(NA)
	Brea -----	-	47	24	4.0	59.1	2.3	4.6	26.3	117.4	97.8	212.0	8.4	3.2	70.3
	Chemicals and allied products -----	-	7	4	0.5	8.4	0.2	0.4	3.7	25.5	50.0	77.5	(D)	0.7	24.9
	Buena Park -----	-	156	45	5.0	67.4	3.7	7.3	45.2	201.8	400.3	602.5	8.2	3.9	99.1
20	Food and kindred products --	-	9	8	1.7	24.9	1.2	2.5	18.0	113.4	271.7	384.5	3.6	1.4	43.1
26	Paper and allied products ---	-	7	7	0.6	9.7	0.5	1.0	7.1	27.2	50.2	77.6	1.3	0.6	17.7
27	Printing and publishing -----	-	21	5	0.5	7.3	0.4	0.8	4.7	13.6	18.7	32.2	0.4	0.5	8.5
	Burbank -----	-	529	145	27.2	451.3	19.1	35.0	253.1	836.5	634.4	1 600.2	26.2	41.5	913.5
	Printing and publishing -----	E1	58	13	0.9	10.9	0.6	1.0	5.7	22.0	17.2	38.7	1.8	0.6	10.5
30	Rubber and miscellaneous plastics products -----	E2	26	7	0.6	7.1	0.4	0.9	4.1	15.3	8.9	24.1	1.3	(NA)	(NA)
34	Fabricated metal products ---	E1	81	27	2.2	25.6	1.6	3.7	17.0	49.9	27.1	76.5	3.0	1.8	26.6
347	Metal services, n.e.c. -----	-	31	10	0.5	4.7	0.4	0.8	3.3	8.8	4.9	13.7	0.6	(NA)	(NA)
35	Machinery, except electrical --	E1	118	18	1.4	17.5	0.9	2.0	9.7	38.6	25.6	63.2	2.1	1.4	28.8
359	Miscellaneous machinery, except electrical -----	E3	89	7	0.5	6.8	0.5	1.2	4.9	11.9	5.7	17.3	(D)	(NA)	(NA)

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Burbank—Con.														
36	Electric and electronic equipment-----	E1	46	22	1.9	23.8	1.3	2.5	12.9	44.5	24.3	69.1	2.1	2.0	27.2
366	Communication equipment -	-	9	5	0.7	11.6	0.4	0.8	5.5	19.2	8.0	27.6	0.3	(NA)	(NA)
3662	Radio and TV communication equipment-----	-	9	5	0.7	11.6	0.4	0.8	5.5	19.2	8.0	27.6	0.3	(NA)	(NA)
367	Electronic components and accessories-----	E3	21	9	0.6	6.3	0.4	0.9	3.8	13.4	6.3	19.3	0.7	(NA)	(NA)
37	Transportation equipment ---	-	27	12	16.8	320.8	12.0	20.4	182.9	582.9	459.9	1 174.5	13.2	(NA)	(NA)
38	Instruments and related products-----	E1	34	8	0.7	8.0	0.5	1.0	4.6	16.9	8.9	25.5	0.6	(NA)	(NA)
39	Miscellaneous manufacturing industries-----	-	18	5	0.5	4.8	0.4	0.9	2.8	10.8	7.4	17.9	0.4	(NA)	(NA)
	Burlingame-----	-	79	15	1.8	24.9	1.0	2.0	12.4	46.1	67.7	114.2	1.4	1.9	38.5
34	Fabricated metal products ---	-	5	3	0.6	6.9	0.4	0.8	4.4	13.1	10.0	23.1	0.6	(NA)	(NA)
	Camarillo-----	-	42	9	1.8	21.8	1.2	2.4	13.5	47.1	44.3	90.0	0.7	(D)	(D)
	Campbell-----	-	173	29	2.5	30.4	1.8	3.6	19.9	67.8	38.2	103.7	3.8	1.8	30.3
38	Instruments and related products-----	E5	13	4	0.5	5.8	0.3	0.7	3.2	18.1	7.1	23.4	0.6	(NA)	(NA)
	Carlsbad-----	-	34	11	1.8	23.1	1.4	3.0	15.7	49.8	28.5	77.1	3.3	0.5	9.0
	Carpinteria-----	-	17	6	0.6	6.3	0.4	0.8	3.7	13.0	6.0	18.8	0.6	(NA)	(NA)
	Carson-----	-	323	132	14.6	194.3	10.2	20.3	116.8	527.1	2 037.8	2 530.8	37.1	11.8	312.7
22	Textile mill products-----	-	6	4	0.7	5.9	0.6	1.2	4.5	8.3	25.5	34.0	(D)	(NA)	(NA)
25	Furniture and fixtures-----	E2	22	12	1.1	9.4	0.9	1.8	7.0	18.3	17.8	35.7	0.9	0.6	9.2
251	Household furniture-----	E2	17	12	1.1	9.1	0.9	1.7	6.8	17.6	17.3	34.5	0.9	(NA)	(NA)
28	Chemicals and allied products-----	-	31	15	1.5	21.9	0.8	1.5	9.7	95.4	126.3	218.6	6.9	0.9	36.3
30	Rubber and miscellaneous plastics products-----	E2	25	14	1.1	11.8	0.9	1.6	7.4	38.8	30.9	68.0	6.3	0.9	15.1
32	Stone, clay, and glass products-----	E1	13	6	0.5	6.6	0.4	0.8	4.6	13.8	15.1	29.0	0.5	0.6	15.9
34	Fabricated metal products ---	-	38	20	2.2	32.2	1.7	3.5	22.0	67.1	82.9	146.2	3.2	1.4	38.6
344	Fabricated structural metal products-----	-	16	11	1.1	13.6	0.8	1.7	8.8	25.8	46.9	71.1	0.8	(NA)	(NA)
35	Machinery, except electrical--	E1	49	9	0.8	12.1	0.5	1.1	6.8	23.5	19.4	41.3	1.1	1.7	42.8
36	Electric and electronic equipment-----	-	22	9	1.0	12.3	0.7	1.4	6.9	28.1	28.2	52.2	0.5	(NA)	(NA)
37	Transportation equipment ---	E1	20	8	0.6	6.3	0.3	0.7	3.1	14.1	16.4	31.7	(D)	(NA)	(NA)
	Cerritos-----	-	125	56	3.8	48.1	2.7	5.5	28.6	121.0	144.0	261.4	7.1	2.1	37.7
36	Electric and electronic equipment-----	-	8	6	0.6	6.4	0.4	0.9	3.7	28.8	13.2	40.8	1.1	(NA)	(NA)
	Chico-----	-	77	17	2.0	22.5	1.5	3.0	16.1	41.8	61.6	105.5	1.7	1.1	17.4
24	Lumber and wood products --	E1	12	5	0.8	8.8	0.7	1.4	7.7	15.8	33.8	49.4	(D)	(NA)	(NA)
	Chino-----	-	47	25	2.6	29.5	2.1	3.8	20.8	73.8	198.8	264.2	3.9	1.2	18.1
24	Lumber and wood products --	-	8	4	0.5	5.3	0.4	0.8	3.5	13.4	17.1	30.5	(D)	(NA)	(NA)
37	Transportation equipment ---	-	7	6	1.2	14.1	1.1	1.8	10.8	31.4	117.4	141.7	(D)	0.6	10.2
371	Motor vehicles and equipment-----	-	4	3	1.1	12.2	0.9	1.5	9.5	28.0	109.8	130.7	0.2	(NA)	(NA)

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry		1977											1972	
			E ¹	All estab- lishments	All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
				Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)							Wages (million dollars)
	Cloverdale -----	-	18	9	0.6	7.0	0.5	1.0	5.9	24.6	27.6	50.7	0.5	0.7	15.8
24	Lumber and wood products --	-	12	6	0.5	5.7	0.4	0.9	4.9	21.9	25.0	45.4	0.5	0.6	12.9
	Colton -----	-	36	16	1.8	23.8	1.3	2.6	17.3	60.0	68.9	133.3	3.4	1.8	39.6
	Commerce -----	-	319	183	23.0	328.7	16.4	33.2	211.7	765.0	1 179.8	1 945.6	45.2	21.4	475.0
20	Food and kindred products --	-	26	19	2.1	33.4	1.4	2.8	22.1	92.9	267.0	359.9	6.1	2.0	60.0
22	Textile mill products -----	-	7	5	1.0	11.2	0.7	1.6	6.4	21.3	38.6	58.0	0.2	0.5	10.0
23	Apparel and other textile products -----	-	12	7	1.2	16.4	0.7	1.4	5.6	52.7	36.4	90.4	0.6	(NA)	(NA)
25	Furniture and fixtures -----	-	13	8	0.9	10.3	0.7	1.4	7.2	20.6	19.3	38.9	0.8	0.7	12.8
251	Household furniture -----	-	7	6	0.7	8.2	0.5	1.1	5.7	16.4	15.2	30.6	0.7	(NA)	(NA)
26	Paper and allied products ---	-	24	20	3.1	45.7	2.4	4.7	33.3	100.6	162.8	267.6	5.6	2.3	45.9
2653	Corrugated and solid fiber boxes-----	E2	3	3	0.5	8.2	0.4	0.7	5.5	19.8	35.0	54.7	(D)	(NA)	(NA)
27	Printing and publishing -----	-	22	12	1.2	15.6	0.8	1.5	9.7	34.0	24.2	57.8	(D)	1.2	22.4
28	Chemicals and allied products -----	-	37	21	1.8	28.9	1.2	2.3	17.5	110.0	155.5	263.3	2.6	1.7	72.9
30	Rubber and miscellaneous plastics products -----	-	16	9	1.8	27.2	1.5	2.7	20.5	47.5	57.2	103.6	1.8	(NA)	(NA)
33	Primary metal industries -----	-	17	13	2.2	36.2	1.6	3.5	24.3	70.3	163.3	231.2	4.1	2.0	40.0
34	Fabricated metal products ---	-	43	23	2.8	41.3	2.0	4.1	26.9	78.8	114.4	203.6	3.7	3.2	58.3
344	Fabricated structural metal products -----	-	18	10	1.6	22.0	1.1	2.1	13.3	38.1	61.1	112.5	(D)	(NA)	(NA)
35	Machinery, except electrical--	E2	43	17	2.1	33.1	1.5	3.4	21.3	78.6	48.0	121.5	(D)	1.9	50.1
36	Electric and electronic equipment-----	-	18	9	1.2	13.0	0.9	1.8	8.6	27.6	29.5	56.9	1.7	0.8	13.4
364	Electric lighting and wiring equipment -----	-	6	3	0.5	4.0	0.4	0.8	2.7	8.7	7.8	16.8	(D)	(NA)	(NA)
	Compton -----	-	190	80	6.6	76.3	5.0	10.1	48.8	182.4	210.6	395.9	11.5	5.4	82.6
25	Furniture and fixtures -----	-	18	12	0.9	11.5	0.8	1.5	7.6	26.8	23.3	49.2	0.7	0.5	6.2
251	Household furniture -----	-	10	6	0.6	6.7	0.5	1.0	4.8	14.6	12.2	26.1	0.2	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	-	9	6	1.3	14.9	1.1	2.1	9.1	44.5	64.1	114.2	1.1	0.9	8.1
32	Stone, clay, and glass products -----	-	10	5	0.6	5.5	0.5	0.9	3.4	15.9	7.2	22.6	0.9	(NA)	(NA)
34	Fabricated metal products ---	E1	45	16	1.3	15.6	1.0	1.9	10.3	31.8	28.4	58.8	2.9	0.7	11.7
35	Machinery, except electrical--	-	31	7	0.6	8.1	0.4	0.9	5.6	16.6	9.6	27.5	0.4	(NA)	(NA)
	Corona -----	-	69	26	3.0	34.2	2.3	4.4	23.4	91.6	89.4	181.0	(D)	3.0	44.8
20	Food and kindred products --	-	6	3	0.6	7.1	0.4	0.8	4.2	31.8	23.6	55.3	(D)	(NA)	(NA)
32	Stone, clay, and glass products -----	-	7	5	0.6	7.1	0.5	1.0	5.6	21.6	15.1	36.7	0.5	0.6	7.0
33	Primary metal industries -----	-	3	3	0.5	6.5	0.4	0.7	4.3	9.5	9.1	18.8	(D)	0.5	7.8
	Costa Mesa -----	-	429	110	12.0	148.9	7.8	14.7	76.8	258.0	220.9	493.9	16.2	9.8	156.9
27	Printing and publishing -----	E1	40	6	1.1	16.1	0.6	1.0	9.3	-7.5	33.8	26.2	0.8	0.5	8.1

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Costa Mesa—Con.														
30	Rubber and miscellaneous plastics products -----	-	28	10	0.9	10.1	0.7	1.4	5.9	17.5	18.4	35.4	0.7	0.7	8.8
34	Fabricated metal products ---	E2	43	8	1.0	12.5	0.7	1.4	8.7	29.1	15.5	43.2	0.7	0.6	12.4
35	Machinery, except electrical --	-	69	15	1.7	24.0	1.0	1.9	10.7	60.1	38.8	97.8	3.2	0.8	12.4
36	Electric and electronic equipment -----	E2	60	23	3.3	41.5	1.9	3.6	16.7	77.6	37.7	113.3	5.1	1.6	26.9
366	Communication equipment -	E3	16	8	1.6	23.0	0.8	1.5	7.4	35.9	15.0	49.4	1.5	(NA)	(NA)
3662	Radio and TV communication equipment -----	E3	16	8	1.6	23.0	0.8	1.5	7.4	35.9	15.0	49.4	1.5	(NA)	(NA)
367	Electronic components and accessories -----	E2	20	7	0.9	10.8	0.6	1.1	5.0	25.4	11.2	36.8	1.9	(NA)	(NA)
3679	Electronic components, n.e.c. -----	-	14	4	0.6	6.9	0.4	0.8	3.3	13.0	6.9	20.2	(D)	(NA)	(NA)
37	Transportation equipment ---	E2	35	11	1.3	12.8	1.0	1.9	9.1	24.9	26.8	50.5	0.9	2.6	33.6
373	Ship and boat building and repairing -----	E2	19	9	1.0	9.9	0.8	1.5	7.2	20.2	22.4	41.6	0.8	(NA)	(NA)
3732	Boat building and repairing -----	E2	19	9	1.0	9.9	0.8	1.5	7.2	20.2	22.4	41.6	0.8	(NA)	(NA)
38	Instruments and related products -----	-	33	14	1.3	19.6	0.8	1.4	8.4	49.8	28.0	75.8	3.1	0.8	14.4
	Covina -----	-	163	37	3.4	38.7	2.6	5.0	23.5	75.0	58.8	133.1	4.9	2.5	45.0
35	Machinery, except electrical --	E1	50	10	0.6	9.4	0.5	1.0	5.8	15.4	6.7	21.8	1.3	(NA)	(NA)
36	Electric and electronic equipment -----	-	17	5	0.8	8.8	0.6	1.2	4.9	17.6	15.0	31.4	0.5	0.6	9.6
	Crescent City -----	-	28	5	0.5	6.0	0.4	0.8	5.0	14.4	17.3	31.9	0.6	0.8	11.2
	Cudahy -----	-	37	15	0.9	11.7	0.7	1.4	7.9	25.7	18.8	44.4	0.8	0.6	7.3
	Culver City -----	-	210	53	6.0	65.6	4.6	8.4	40.7	109.2	92.2	200.5	6.4	14.0	232.3
24	Lumber and wood products --	-	8	5	0.7	6.2	0.6	1.1	4.2	13.4	11.0	23.9	(Z)	(NA)	(NA)
27	Printing and publishing -----	E1	30	5	0.8	9.2	0.7	1.1	6.7	16.4	6.4	22.8	0.4	(NA)	(NA)
35	Machinery, except electrical --	E1	40	5	0.6	6.2	0.4	0.9	3.7	10.0	9.4	18.4	0.3	1.5	39.4
38	Instruments and related products -----	-	8	2	0.5	6.5	0.4	0.6	5.4	7.3	5.2	12.3	0.1	(NA)	(NA)
39	Miscellaneous manufacturing industries -----	E5	21	7	0.6	5.2	0.4	0.8	3.4	10.9	9.6	20.7	0.4	(NA)	(NA)
	Cupertino -----	-	66	18	5.1	85.6	2.4	4.6	27.5	251.2	121.5	373.7	20.5	2.9	87.1
36	Electric and electronic equipment -----	-	9	3	0.5	7.8	0.1	0.3	1.6	11.1	13.5	26.0	0.9	1.1	25.2
	Delano -----	-	17	8	0.5	6.3	0.3	0.5	3.0	20.3	17.7	35.9	0.9	(NA)	(NA)
	Dinuba -----	-	18	7	0.8	9.5	0.7	1.3	7.2	17.4	36.2	53.2	1.0	0.7	18.6
	Downey -----	-	158	47	14.6	269.4	5.3	11.2	58.6	514.6	493.3	1 003.2	9.9	8.3	176.2
	Duarte -----	-	17	8	1.6	17.6	1.1	2.7	11.2	52.9	34.9	84.7	0.9	0.8	14.1
	East Los Angeles (U) -----	-	204	65	4.3	44.8	3.5	6.8	31.4	104.3	125.7	230.2	6.3	4.6	82.9
20	Food and kindred products --	E3	22	10	0.6	6.4	0.5	0.9	4.6	16.1	22.9	38.9	1.3	0.6	13.5
23	Apparel and other textile products -----	E5	56	7	0.7	4.3	0.7	1.1	3.6	6.7	3.0	9.7	0.1	0.5	3.4
233	Women's and misses' outerwear -----	E5	52	5	0.6	4.0	0.6	1.1	3.3	5.9	2.3	8.2	(D)	(NA)	(NA)
34	Fabricated metal products ---	E2	18	8	0.5	4.9	0.4	0.8	2.9	10.8	8.0	18.8	1.5	0.7	13.0
	El Cajon -----	-	148	31	3.1	41.0	2.3	4.3	26.8	78.5	70.2	147.5	4.3	2.1	33.0

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	El Cajon—Con.														
35	Machinery, except electrical --	-	17	4	0.5	8.1	0.4	0.8	5.6	15.0	8.1	22.9	0.7	(NA)	(NA)
37	Transportation equipment ---	-	20	5	0.5	7.3	0.4	0.7	5.5	14.2	9.8	23.4	(D)	(NA)	(NA)
	El Centro -----	-	22	8	0.6	7.1	0.4	0.8	4.0	14.6	30.2	45.6	0.9	(NA)	(NA)
	El Monte -----	-	264	104	11.0	131.9	8.0	15.2	78.8	255.3	189.1	450.5	11.5	9.9	155.8
20	Food and kindred products --	E3	5	3	0.5	7.0	0.3	0.7	5.0	10.9	34.7	45.5	(D)	0.6	8.5
23	Apparel and other textile products -----	E3	25	7	0.5	3.0	0.5	0.8	2.4	4.5	2.0	6.5	0.1	0.5	3.5
25	Furniture and fixtures -----	-	18	10	0.6	7.4	0.5	0.9	4.8	13.3	9.4	22.9	0.3	0.6	8.1
251	Household furniture -----	-	9	8	0.5	5.2	0.4	0.7	3.3	9.5	7.4	17.1	0.2	(NA)	(NA)
32	Stone, clay, and glass products -----	-	13	7	0.8	10.7	0.7	1.4	8.4	21.5	16.7	37.6	1.3	1.0	15.9
34	Fabricated metal products ---	-	48	18	2.1	25.1	1.8	3.5	17.9	47.5	35.2	82.9	0.9	1.8	23.3
349	Miscellaneous fabricated metal products -----	-	9	5	0.6	7.3	0.5	1.0	4.7	13.3	8.3	21.0	0.3	(NA)	(NA)
35	Machinery, except electrical --	E1	46	15	1.4	20.2	0.8	1.8	11.1	31.2	19.7	50.3	2.1	1.0	15.9
36	Electric and electronic equipment -----	-	20	9	2.3	23.3	1.8	3.2	14.9	67.2	14.3	84.0	(D)	2.2	43.4
	El Paso de Robles -----	-	26	7	0.8	7.1	0.6	1.3	5.1	19.8	12.6	31.4	2.4	0.5	7.1
	El Segundo -----	-	191	75	15.9	266.0	9.7	18.8	141.8	924.8	1 363.8	2 310.9	31.0	15.1	386.6
34	Fabricated metal products ---	-	19	7	0.6	7.5	0.4	0.7	4.4	15.0	10.9	24.9	0.7	0.9	14.8
35	Machinery, except electrical --	-	52	13	2.7	39.0	1.4	3.2	18.8	102.2	51.0	158.8	3.7	5.1	115.7
3728	Aircraft equipment, n.e.c. -----	-	11	6	1.0	15.9	0.6	1.1	7.5	16.9	27.2	66.7	0.8	(NA)	(NA)
	Emeryville -----	-	113	51	5.4	79.8	3.3	6.4	45.6	184.9	217.4	398.5	7.0	6.0	115.7
20	Food and kindred products --	-	10	8	1.1	14.6	0.7	1.4	9.8	49.7	108.0	157.5	1.3	0.8	17.2
28	Chemicals and allied products -----	-	10	3	0.5	7.2	0.3	0.6	4.4	20.8	22.0	42.1	1.1	0.7	18.5
34	Fabricated metal products ---	-	15	9	1.0	16.7	0.7	1.3	10.2	34.1	24.1	56.8	1.0	1.3	29.7
3494	Valves and pipe fittings --	-	4	3	0.6	10.6	0.4	0.8	6.5	23.0	10.9	32.7	0.6	(NA)	(NA)
35	Machinery, except electrical --	-	15	7	0.5	8.5	0.3	0.6	5.2	18.0	8.9	27.2	1.5	(NA)	(NA)
--	Administrative and auxiliary --	-	7	3	0.6	7.0	-	-	-	-	-	-	-	(NA)	(NA)
	Escondido -----	-	114	32	2.0	24.1	1.3	2.6	14.7	59.7	62.2	121.8	2.8	1.5	20.9
36	Electric and electronic equipment -----	E2	18	8	0.5	5.6	0.3	0.6	2.9	17.0	14.3	30.9	0.3	(NA)	(NA)
	Eureka -----	-	66	11	1.6	20.6	1.3	2.3	15.3	65.6	76.7	142.9	3.7	1.1	18.3
24	Lumber and wood products --	-	27	2	0.5	7.7	0.5	0.9	6.9	19.3	23.1	42.7	(D)	0.5	9.4
	Florence-Graham -----	-	121	34	3.0	36.8	2.4	4.7	26.4	74.6	60.8	134.5	4.0	4.3	95.9
34	Fabricated metal products ---	-	29	12	0.8	9.8	0.6	1.3	6.3	20.4	15.1	35.2	0.4	0.7	11.1
	Fontana -----	-	34	8	0.5	7.0	0.4	0.8	4.6	25.2	46.2	71.5	1.0	0.7	15.2
	Fort Bragg -----	-	29	8	0.5	5.8	0.4	0.7	4.9	12.9	16.9	30.5	(D)	(D)	(D)
	Fountain Valley -----	-	80	20	1.5	17.9	1.1	2.2	10.7	37.1	38.6	76.7	2.5	1.6	24.7

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

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SIC code	City and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Fresno -----	-	309	84	8.4	102.8	5.9	10.9	61.1	222.4	408.4	633.6	34.9	6.8	152.9
20	Food and kindred products --	-	45	26	1.8	24.6	1.2	2.3	13.5	67.3	229.0	295.1	3.7	1.6	39.4
34	Fabricated metal products ---	-	21	4	0.5	5.9	0.4	0.8	4.4	8.5	11.2	22.7	0.5	(NA)	(NA)
35	Machinery, except electrical --	E2	35	9	0.8	9.3	0.6	1.0	6.4	17.6	17.9	35.5	1.5	(NA)	(NA)
	Fullerton -----	-	283	83	19.0	294.3	12.8	27.0	178.2	604.0	498.2	1 096.8	26.8	17.8	363.8
20	Food and kindred products --	-	18	7	1.1	12.9	0.9	1.8	8.8	55.8	142.5	198.1	(D)	(NA)	(NA)
27	Printing and publishing -----	-	33	8	0.8	9.4	0.5	0.9	6.2	26.4	23.2	48.6	0.9	0.7	11.9
30	Rubber and miscellaneous plastics products -----	-	20	8	0.6	5.5	0.5	1.0	4.1	13.4	9.1	22.7	1.5	(NA)	(NA)
3079	Miscellaneous plastics products -----	-	16	6	0.5	4.7	0.4	0.8	3.6	11.5	8.3	20.2	(D)	(NA)	(NA)
34	Fabricated metal products ---	-	45	23	3.8	52.2	2.5	5.0	29.5	112.7	90.3	210.0	4.5	2.1	37.3
344	Fabricated structural metal products -----	-	10	8	1.4	21.0	0.7	1.5	8.3	39.7	30.9	79.1	1.5	(NA)	(NA)
345	Screw machine products, bolts, etc. -----	-	7	3	0.7	10.8	0.5	1.0	6.4	21.3	9.4	30.2	1.2	(NA)	(NA)
3452	Bolts, nuts, rivets, and washers -----	-	3	3	0.7	10.5	0.5	1.0	6.2	20.9	9.0	29.4	1.2	(NA)	(NA)
349	Miscellaneous fabricated metal products -----	-	11	5	0.7	9.5	0.5	1.0	6.3	24.6	18.3	42.5	0.7	(NA)	(NA)
35	Machinery, except electrical --	E3	72	7	0.5	7.0	0.4	0.7	4.4	14.7	8.6	23.3	0.8	0.9	14.3
36	Electric and electronic equipment -----	-	20	6	7.9	136.6	5.9	13.1	96.5	246.3	79.1	321.8	(D)	(NA)	(NA)
	Gardena -----	-	384	109	9.4	102.7	7.2	13.6	64.1	210.8	181.3	390.3	13.4	10.3	150.7
20	Food and kindred products --	-	10	4	0.6	5.3	0.4	0.8	3.2	11.3	17.8	28.9	(D)	0.8	6.7
23	Apparel and other textile products -----	-	32	13	1.1	6.6	0.9	1.3	4.3	16.4	16.1	32.0	0.2	0.6	4.1
25	Furniture and fixtures -----	E2	27	9	0.5	4.1	0.5	0.9	3.2	8.7	8.1	16.7	1.0	0.5	7.5
30	Rubber and miscellaneous plastics products -----	E1	25	10	1.0	12.3	0.6	1.3	6.3	26.2	18.8	44.9	1.0	1.5	25.4
33	Primary metal industries -----	-	11	5	0.6	6.5	0.5	1.1	4.3	12.5	19.2	31.7	0.5	0.6	7.6
34	Fabricated metal products ---	E2	40	15	1.0	10.6	0.7	1.5	6.9	18.9	21.1	39.8	1.9	1.0	18.1
35	Machinery, except electrical --	E2	114	19	1.1	14.9	0.9	1.8	10.0	26.3	14.1	40.4	1.5	0.9	15.7
359	Miscellaneous machinery, except electrical -----	E3	78	10	0.6	8.5	0.5	1.0	5.8	15.6	6.4	21.7	1.1	(NA)	(NA)
36	Electric and electronic equipment -----	-	12	6	0.5	5.5	0.3	0.7	2.9	11.0	10.5	21.0	0.3	0.5	6.2
37	Transportation equipment ---	E1	19	5	0.6	8.1	0.5	0.7	4.7	16.9	12.0	29.3	1.5	0.7	9.7
372	Aircraft and parts -----	-	8	4	0.5	6.8	0.4	0.6	3.8	14.7	8.5	23.2	(D)	(NA)	(NA)
	Garden Grove -----	-	191	50	5.3	58.4	4.1	7.9	36.1	119.4	114.5	230.3	8.2	2.7	48.0
26	Paper and allied products ---	-	4	3	0.5	5.8	0.4	0.7	4.3	13.5	19.8	33.2	0.6	(NA)	(NA)
27	Printing and publishing -----	-	23	4	0.5	5.1	0.3	0.6	3.1	10.2	6.9	17.0	0.5	0.7	12.5
30	Rubber and miscellaneous plastics products -----	E3	13	5	0.5	4.3	0.5	0.9	3.2	7.3	5.8	13.0	(D)	(NA)	(NA)
34	Fabricated metal products ---	-	22	9	1.0	9.6	0.9	1.7	6.2	17.4	18.5	35.6	0.7	(NA)	(NA)
37	Transportation equipment ---	-	12	7	0.7	9.5	0.5	0.9	5.4	15.2	15.9	30.2	0.6	(NA)	(NA)

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Gilroy -----	-	27	3	1.3	15.1	1.1	2.0	11.4	38.3	39.0	76.9	2.4	1.5	28.5
	Glendale -----	-	386	104	12.6	167.3	8.3	15.9	89.4	295.9	176.0	460.8	11.6	11.1	173.1
20	Food and kindred products --	-	9	5	0.9	13.2	0.4	0.9	6.3	42.3	23.3	65.4	1.0	0.5	10.9
23	Apparel and other textile products -----	E2	35	10	0.7	5.5	0.6	1.2	4.3	9.3	4.7	14.2	(D)	(NA)	(NA)
233	Women's and misses' outerwear -----	E3	25	8	0.5	3.1	0.4	0.8	2.6	4.8	1.9	6.6	(D)	(NA)	(NA)
25	Furniture and fixtures -----	-	10	4	0.6	4.7	0.5	1.0	3.7	9.0	8.2	16.9	0.2	(NA)	(NA)
27	Printing and publishing -----	E1	81	21	1.5	16.6	0.8	1.4	8.0	31.4	22.0	53.0	1.8	1.2	19.5
275	Commercial printing -----	E1	47	9	0.5	6.3	0.4	0.7	4.1	10.9	7.4	18.2	0.6	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	-	20	9	0.8	11.4	0.7	1.1	9.4	18.4	14.8	32.8	0.7	0.7	9.2
34	Fabricated metal products ---	E1	45	12	1.0	11.6	0.8	1.7	8.1	23.2	17.4	39.9	1.0	0.8	12.7
342	Cutlery, hand tools, and hardware -----	-	7	3	0.5	4.8	0.4	0.9	3.8	10.0	9.5	18.9	0.3	(NA)	(NA)
35	Machinery, except electrical --	E1	64	9	1.3	16.9	0.8	1.6	7.6	38.1	16.5	53.8	3.3	1.0	17.8
36	Electric and electronic equipment -----	E1	24	9	1.8	30.5	1.1	2.2	14.6	46.9	20.5	66.5	1.0	1.5	31.9
38	Instruments and related products -----	-	15	2	1.7	23.1	1.4	2.8	17.1	37.4	19.4	49.5	(D)	2.4	26.2
-	Administrative and auxiliary --	-	8	4	1.0	17.9	-	-	-	-	-	-	-	(NA)	(NA)
	Glendora -----	-	48	13	1.7	21.7	1.1	2.5	11.4	35.1	50.9	83.1	4.9	1.0	19.0
	Grass Valley -----	-	48	5	0.6	7.2	0.4	0.9	5.2	21.0	8.8	28.6	1.4	(NA)	(NA)
	Gridley -----	-	14	4	0.5	5.2	0.4	0.7	4.5	11.1	18.8	29.9	0.9	(NA)	(NA)
	Hacienda Heights -----	-	23	8	0.7	8.3	0.5	1.0	4.4	19.3	16.9	34.5	(D)	1.2	14.8
	Hanford -----	-	26	12	1.2	16.0	0.7	1.3	8.2	45.6	243.5	287.9	1.0	0.6	15.0
	Hawthorne -----	-	185	61	23.2	398.5	8.6	17.7	103.1	1 311.7	399.5	1 712.3	18.5	16.9	383.1
30	Rubber and miscellaneous plastics products -----	-	11	7	1.0	12.3	0.6	1.2	5.6	33.9	22.0	55.5	1.5	(NA)	(NA)
36	Electric and electronic equipment -----	-	19	10	2.4	34.0	1.4	2.9	13.5	66.2	19.1	84.5	2.2	2.2	57.5
367	Electronic components and accessories -----	-	9	8	2.3	32.3	1.3	2.7	12.5	62.3	16.5	78.2	2.1	(NA)	(NA)
-	Administrative and auxiliary --	-	6	5	2.0	30.8	-	-	-	-	-	-	-	(NA)	(NA)
	Hayward -----	-	289	84	12.7	189.0	8.3	16.5	116.2	407.3	621.5	1 015.8	39.9	7.2	179.5
20	Food and kindred products --	-	16	9	1.6	21.6	1.3	2.2	14.8	68.3	89.4	157.5	1.4	1.7	48.0
32	Stone, clay, and glass products -----	-	9	4	0.6	9.5	0.5	0.9	6.9	20.7	15.0	35.7	1.1	0.5	13.8
34	Fabricated metal products ---	-	53	21	2.5	37.6	2.0	4.1	29.3	90.9	118.5	203.7	5.7	1.7	48.3
35	Machinery, except electrical --	-	59	13	2.9	45.2	1.7	3.4	29.5	63.8	102.1	162.1	6.2	1.0	19.6
357	Office and computing machines -----	-	7	4	2.2	34.7	1.2	2.4	23.1	40.6	91.0	127.8	5.0	(NA)	(NA)
	Healdsburg -----	-	28	8	0.7	6.0	0.5	1.0	4.1	13.9	14.6	30.6	0.5	0.7	11.8
	Hemet -----	-	51	13	1.1	12.7	0.9	1.5	8.3	25.9	48.6	75.0	1.2	1.1	17.8
	Huntington Beach -----	-	196	28	7.2	129.2	5.0	9.0	77.3	256.1	114.6	367.8	18.2	(D)	(D)
27	Printing and publishing -----	-	23	2	0.6	4.7	0.3	0.4	1.6	16.8	2.8	19.6	(D)	(NA)	(NA)

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

		1977												1972	
SIC code	City and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
35	Huntington Beach—Con.														
	Machinery, except electrical --	E1	44	9	0.5	8.0	0.4	0.8	4.7	16.4	11.6	27.9	1.5	(NA)	(NA)
	Huntington Park -----	-	199	58	5.5	69.7	4.0	8.0	44.3	174.7	111.5	272.8	9.7	5.0	82.1
23	Apparel and other textile products -----	E4	42	7	0.6	3.6	0.5	1.0	3.2	5.5	2.0	7.5	0.2	(NA)	(NA)
233	Women's and misses' outerwear -----	E4	38	7	0.6	3.6	0.5	1.0	3.1	5.4	1.8	7.3	(D)	(NA)	(NA)
33	Primary metal industries -----	E1	18	7	0.5	6.3	0.4	0.9	4.5	10.7	7.4	18.1	1.0	(NA)	(NA)
34	Fabricated metal products ---	E1	35	9	0.9	13.4	0.6	1.4	8.8	26.3	17.1	44.4	0.8	1.0	16.6
35	Machinery, except electrical --	-	43	8	1.8	25.7	1.1	2.2	15.9	87.1	45.8	120.7	5.2	1.4	28.4
	Industry -----	-	324	187	24.8	310.4	18.1	37.5	198.8	721.7	874.6	1 589.0	39.5	(NA)	(NA)
20	Food and kindred products --	E1	12	9	1.2	14.7	1.0	2.0	10.7	35.7	68.2	104.0	4.2	(NA)	(NA)
25	Furniture and fixtures -----	-	24	15	1.2	12.7	1.0	2.5	8.7	25.3	27.4	51.6	0.6	(NA)	(NA)
251	Household furniture -----	-	15	9	0.9	8.8	0.7	1.4	6.1	17.6	20.5	37.6	0.5	(NA)	(NA)
26	Paper and allied products ---	-	8	6	0.6	9.6	0.5	0.9	7.1	19.5	63.2	82.4	1.5	(NA)	(NA)
265	Paperboard containers and boxes -----	-	5	4	0.5	7.5	0.3	0.6	5.3	14.2	54.2	68.1	(D)	(NA)	(NA)
27	Printing and publishing -----	-	19	9	1.0	12.5	0.8	1.6	9.0	29.0	27.0	55.4	0.5	(NA)	(NA)
28	Chemicals and allied products -----	-	16	11	0.7	9.9	0.4	0.8	4.8	43.3	39.0	82.2	3.1	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	-	29	21	2.0	22.1	1.6	3.2	15.5	59.8	48.5	108.9	5.7	(NA)	(NA)
3079	Miscellaneous plastics products -----	-	25	17	1.8	19.8	1.5	2.9	13.8	52.0	40.8	93.2	(D)	(NA)	(NA)
33	Primary metal industries -----	-	15	11	1.2	15.3	0.9	2.0	11.5	41.0	61.9	102.4	1.9	(NA)	(NA)
34	Fabricated metal products ---	-	53	32	3.8	47.9	2.9	6.0	31.1	91.7	94.5	186.5	3.6	(NA)	(NA)
342	Cutlery, hand tools, and hardware -----	-	7	5	1.3	16.4	1.0	2.1	10.1	26.4	30.6	58.4	(D)	(NA)	(NA)
344	Fabricated structural metal products -----	-	19	9	0.7	10.0	0.5	1.1	6.0	18.9	28.3	46.2	0.8	(NA)	(NA)
345	Screw machine products, bolts, etc. -----	-	4	4	0.5	6.1	0.3	0.7	4.2	13.1	7.8	20.7	0.3	(NA)	(NA)
35	Machinery, except electrical --	-	55	17	3.7	49.3	2.5	4.9	30.0	115.7	167.1	277.9	5.8	(NA)	(NA)
356	General industrial machinery -----	-	9	5	1.1	13.6	0.6	1.5	7.9	42.5	40.5	76.9	2.5	(NA)	(NA)
359	Miscellaneous machinery, except electrical -----	E1	29	7	0.5	6.3	0.4	0.8	4.4	13.0	5.6	18.2	0.7	(NA)	(NA)
36	Electric and electronic equipment -----	-	25	17	3.7	45.2	2.8	5.6	29.8	102.1	114.1	215.3	6.6	(NA)	(NA)
364	Electric lighting and wiring equipment -----	-	9	8	0.7	7.9	0.5	1.0	4.2	18.8	18.4	36.8	(D)	(NA)	(NA)
37	Transportation equipment ---	-	14	7	1.5	20.8	1.0	2.0	10.7	45.7	35.0	81.8	2.0	(NA)	(NA)
38	Instruments and related products -----	-	5	5	0.9	11.1	0.5	1.2	5.7	28.7	13.4	41.9	(D)	(NA)	(NA)
	Inglewood -----	-	169	35	3.1	35.8	2.4	4.4	21.7	69.1	53.0	121.7	2.8	3.5	61.3
35	Machinery, except electrical --	E1	44	8	0.7	9.3	0.5	1.0	5.2	18.7	7.4	26.0	0.8	0.6	11.6
36	Electric and electronic equipment -----	E1	20	8	0.8	7.9	0.6	1.1	5.1	15.6	8.4	23.8	0.4	0.7	9.1
	Irvine -----	-	278	140	26.0	374.4	15.0	29.7	170.8	883.6	472.4	1 315.6	57.4	6.6	140.7
25	Furniture and fixtures -----	-	6	5	1.4	13.5	1.2	2.4	10.1	32.1	23.5	52.9	4.8	(NA)	(NA)
28	Chemicals and allied products -----	-	13	7	2.6	39.6	1.1	2.4	12.1	87.2	33.9	118.2	(D)	(NA)	(NA)

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry	E ¹	1977											1972	
			All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Irvine—Con.														
30	Rubber and miscellaneous plastics products -----	-	10	6	0.8	9.0	0.5	1.1	5.7	18.2	15.2	33.1	0.5	(NA)	(NA)
34	Fabricated metal products ---	-	17	11	1.0	15.6	0.6	1.3	8.1	28.1	17.6	44.8	4.1	0.6	10.8
35	Machinery, except electrical --	-	50	26	6.3	101.7	3.5	7.3	47.4	307.3	144.7	423.1	19.2	1.1	18.5
3573	Electronic computing equipment -----	-	15	12	3.4	52.1	1.6	2.8	16.3	142.6	78.1	205.9	7.7	(NA)	(NA)
36	Electric and electronic equipment -----	-	42	20	2.4	32.1	1.4	2.6	16.2	68.6	49.5	120.4	4.1	0.8	11.3
367	Electronic components and accessories -----	-	18	9	1.7	22.2	1.0	2.0	11.7	49.8	35.0	87.9	3.6	(NA)	(NA)
37	Transportation equipment ---	-	10	8	3.2	46.7	2.1	3.9	26.3	98.5	49.5	143.8	3.8	(NA)	(NA)
372	Aircraft and parts -----	-	4	3	2.5	39.7	1.5	2.9	21.4	84.3	32.4	112.7	(D)	(NA)	(NA)
3728	Aircraft equipment, n.e.c. -----	-	4	3	2.5	39.7	1.5	2.9	21.4	84.3	32.4	112.7	(D)	(NA)	(NA)
38	Instruments and related products -----	-	38	25	5.2	72.5	3.2	5.9	30.6	187.6	87.9	268.3	8.6	(NA)	(NA)
382	Measuring and controlling devices -----	-	12	9	1.8	25.5	1.0	1.8	9.7	56.3	25.3	79.6	1.3	(NA)	(NA)
3825	Instruments to measure electricity -----	-	6	5	0.9	11.2	0.5	1.0	4.0	24.6	11.0	34.0	(D)	(NA)	(NA)
384	Medical instruments and supplies -----	-	13	9	2.2	28.5	1.4	2.7	10.9	68.0	29.8	94.3	6.5	(NA)	(NA)
3841	Surgical and medical instruments -----	-	6	4	1.4	17.7	0.8	1.6	6.1	37.4	20.3	54.5	(D)	(NA)	(NA)
--	Administrative and auxiliary --	-	10	8	1.3	21.4	-	-	-	-	-	-	-	(NA)	(NA)
	Kingsburg -----	-	7	2	0.5	5.1	0.4	0.8	4.6	12.5	39.5	51.5	0.4	(NA)	(NA)
	La Habra -----	-	89	13	1.7	20.4	1.4	2.7	14.9	52.7	79.4	130.9	1.3	0.9	14.1
	La Mirada -----	-	52	29	2.9	38.4	2.1	4.2	24.4	107.7	139.6	244.2	6.7	2.5	62.0
30	Rubber and miscellaneous plastics products -----	-	9	6	0.8	8.4	0.7	1.3	6.5	21.7	27.7	49.6	2.7	0.7	12.1
34	Fabricated metal products ---	-	8	5	0.6	9.8	0.5	1.1	7.0	31.6	27.4	57.6	0.9	0.7	20.5
	La Palma -----	-	10	6	0.7	8.3	0.5	1.1	6.2	26.3	42.5	68.0	1.0	(NA)	(NA)
	La Verne -----	-	25	13	1.0	11.2	0.7	1.6	7.1	27.1	30.7	56.8	2.3	0.6	8.5
	Lindsay -----	-	22	10	1.2	13.0	1.0	2.1	9.9	30.7	52.4	82.5	2.9	0.9	27.4
	Livermore -----	-	38	10	1.1	12.8	0.9	1.8	9.5	28.5	26.4	54.0	2.1	(NA)	(NA)
	Lodi -----	-	72	24	3.5	45.3	2.7	5.2	33.2	157.6	187.6	341.7	5.0	2.8	106.1
20	Food and kindred products --	-	15	5	1.6	24.3	1.2	2.4	17.8	114.7	140.3	250.4	3.3	1.3	78.0
34	Fabricated metal products ---	-	6	5	0.5	5.8	0.4	0.7	4.2	12.2	23.3	37.0	0.2	(NA)	(NA)
	Long Beach -----	-	447	122	23.8	400.9	13.5	26.5	178.9	580.6	1 073.3	1 755.2	29.8	38.7	1 250.2
20	Food and kindred products --	-	21	10	0.8	10.9	0.5	1.1	6.9	38.4	89.5	128.7	2.3	1.0	33.1
27	Printing and publishing -----	-	48	8	1.2	17.1	0.5	0.8	6.5	35.0	12.0	47.0	1.4	1.3	26.6
28	Chemicals and allied products -----	-	23	7	0.9	15.9	0.7	1.3	10.5	81.9	121.3	200.5	6.0	1.0	60.4
30	Rubber and miscellaneous plastics products -----	E1	21	7	0.6	6.5	0.5	1.0	4.0	17.6	17.3	34.3	0.7	(NA)	(NA)
32	Stone, clay, and glass products -----	-	22	8	0.9	15.0	0.7	1.5	11.3	37.7	49.1	86.5	1.6	0.8	18.1
34	Fabricated metal products ---	-	56	17	1.4	17.5	1.2	2.1	13.1	35.1	25.4	60.7	3.8	1.4	29.2
35	Machinery, except electrical --	E1	71	15	1.1	14.5	0.7	1.3	9.1	32.4	29.0	61.7	1.4	0.7	13.8

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code		City and industry	1977											1972		
			E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
				Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
35	Long Beach—Con.															
359	Machinery, except electrical— Con.	E2	38	5	0.5	6.0	0.2	0.4	3.7	9.9	3.4	13.2	0.3	(NA)	(NA)	
	Miscellaneous machinery, except electrical -----	-	67	11	1.7	22.2	0.9	1.7	10.1	33.9	20.8	54.4	1.1	1.0	15.8	
	Los Alamitos -----	-	9 086	2 631	315.6	4 063.1	209.8	403.6	2 131.9	8 640.3	9 479.8	17 846.4	392.5	280.1	4 673.0	
	Los Angeles -----	-														
20	Food and kindred products --	-	325	144	24.0	314.7	15.6	30.9	185.1	898.2	1 735.2	2 629.9	52.5	23.5	518.0	
201	Meat products-----	E2	32	18	1.6	18.3	1.3	2.3	13.4	33.6	126.8	160.3	2.5	(NA)	(NA)	
2013	Sausages and other prepared meats -----	E1	19	10	1.1	13.0	0.9	1.6	9.4	23.3	72.4	95.7	2.0	(NA)	(NA)	
202	Dairy products-----	-	24	13	1.8	27.6	1.1	2.3	15.8	55.4	254.6	309.3	4.4	(NA)	(NA)	
2026	Fluid milk-----	-	12	7	1.3	21.0	0.7	1.5	10.4	41.4	212.7	253.2	3.4	(NA)	(NA)	
203	Preserved fruits and vegetables-----	E1	40	14	0.9	11.4	0.8	1.6	7.6	41.8	64.7	106.1	(D)	(NA)	(NA)	
205	Bakery products -----	-	57	25	5.3	77.6	2.8	5.3	38.4	183.8	96.7	280.1	7.2	(NA)	(NA)	
2051	Bread, cake, and related products -----	-	47	21	5.0	74.2	2.5	4.8	35.9	175.5	90.2	265.6	6.8	(NA)	(NA)	
2253	Knit outerwear mills-----	E3	45	20	1.5	10.5	1.3	2.3	7.9	17.4	13.6	30.7	0.4	(NA)	(NA)	
23	Apparel and other textile products -----	E1	2 257	771	59.0	463.1	49.2	87.6	304.5	1 061.5	1 250.0	2 310.8	19.8	46.6	540.4	
2329	Men's and boys' clothing, n.e.c. -----	-	36	18	1.8	12.9	1.5	2.7	8.6	28.4	26.2	54.5	0.5	(NA)	(NA)	
2331	Women's and misses' blouses and waists -----	-	165	100	7.4	62.9	6.0	10.7	38.8	161.8	226.0	383.9	(D)	(NA)	(NA)	
2335	Women's and misses' dresses -----	E3	1 124	248	16.2	117.1	14.0	24.3	79.5	265.2	278.4	539.3	(D)	(NA)	(NA)	
2339	Women's and misses' outerwear, n.e.c. -----	E1	178	79	6.6	51.2	5.4	9.4	34.4	131.1	170.1	297.3	(D)	(NA)	(NA)	
24	Lumber and wood products --	E1	242	47	4.0	39.3	3.0	5.8	27.7	76.4	65.0	140.9	(D)	2.9	40.8	
243	Millwork, plywood, and structural members -----	-	96	19	1.9	22.2	1.4	2.6	15.4	38.5	27.8	66.0	(D)	(NA)	(NA)	
2434	Wood kitchen cabinets --	-	53	11	1.0	14.7	0.8	1.5	10.0	25.2	12.8	37.8	0.3	(NA)	(NA)	
249	Miscellaneous wood products -----	E2	93	15	1.1	9.5	0.9	1.7	6.4	19.3	16.7	35.9	(D)	(NA)	(NA)	
25	Furniture and fixtures -----	E1	379	137	12.3	124.7	10.2	20.2	90.1	242.2	215.5	453.8	9.6	12.2	160.8	
251	Household furniture -----	E1	258	93	8.5	77.7	7.2	14.2	56.9	156.6	151.9	305.4	7.3	(NA)	(NA)	
2511	Wood household furniture -----	E1	130	42	4.1	36.7	3.6	7.1	28.1	70.8	54.2	123.1	4.4	(NA)	(NA)	
2512	Upholstered household furniture -----	E1	62	28	1.9	18.4	1.6	3.2	13.7	32.6	31.8	64.1	1.0	(NA)	(NA)	
2514	Metal household furniture -----	E2	21	11	1.0	9.1	0.9	1.8	6.5	24.3	19.4	43.3	(D)	(NA)	(NA)	
252	Office furniture -----	-	25	10	0.9	9.3	0.8	1.5	7.2	19.9	11.4	31.1	0.6	(NA)	(NA)	
254	Partitions and fixtures -----	-	53	20	1.2	17.7	1.0	2.1	13.5	31.2	21.6	52.7	0.4	(NA)	(NA)	
2541	Wood partitions and fixtures -----	-	37	11	0.8	13.2	0.7	1.4	10.9	22.1	15.4	37.3	0.3	(NA)	(NA)	
2599	Furniture and fixtures, n.e.c. -----	-	22	8	0.6	7.2	0.5	1.0	4.9	12.4	8.6	20.6	0.2	(NA)	(NA)	
26	Paper and allied products ---	E1	94	34	3.3	43.3	2.6	5.2	29.8	87.4	103.0	188.9	3.5	3.7	66.2	
264	Miscellaneous converted paper products -----	-	60	18	1.8	21.9	1.4	2.7	15.1	46.2	49.8	95.0	2.0	(NA)	(NA)	
2642	Envelopes -----	-	5	4	0.5	7.3	0.4	0.8	5.1	13.4	12.8	25.9	0.8	(NA)	(NA)	
2653	Corrugated and solid fiber boxes -----	E3	15	9	0.5	7.3	0.4	0.7	4.4	14.3	25.8	39.9	0.7	(NA)	(NA)	
27	Printing and publishing -----	E1	1 269	194	23.4	320.0	13.1	24.3	170.7	736.9	401.6	1 139.1	34.1	21.2	426.5	
2711	Newspapers -----	-	68	16	7.9	105.6	2.6	4.5	40.8	286.8	121.6	408.4	8.8	(NA)	(NA)	
2721	Periodicals -----	E1	121	21	1.5	23.4	0.4	0.8	4.3	83.9	45.5	132.6	1.4	(NA)	(NA)	
273	Books -----	E1	71	13	0.9	11.3	0.4	0.8	4.1	36.6	19.5	55.2	1.0	(NA)	(NA)	
2731	Book publishing -----	E1	50	9	0.6	7.2	0.1	0.3	1.3	28.3	13.8	41.4	0.6	(NA)	(NA)	
2741	Miscellaneous publishing -----	E1	131	15	1.2	15.4	0.6	0.9	6.1	33.5	14.4	47.8	0.9	(NA)	(NA)	
275	Commercial printing -----	E1	687	86	9.2	130.7	7.1	13.3	91.6	236.5	178.4	413.4	19.6	(NA)	(NA)	

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Los Angeles—Con.														
27 275	Printing and publishing—Con. Commercial printing—Con.														
2751	Commercial printing, letterpress -----	E1	356	27	3.2	42.9	2.6	4.7	31.3	76.9	69.3	145.9	6.6	(NA)	(NA)
2752	Commercial printing, lithographic -----	E2	297	50	4.8	68.6	3.6	6.9	45.8	126.5	91.7	217.3	11.2	(NA)	(NA)
278	Blankbooks and bookbinding -----	E1	51	12	0.9	7.8	0.7	1.4	6.3	13.1	5.6	18.8	0.6	(NA)	(NA)
279	Printing trade services -----	E1	123	20	1.2	19.4	0.9	1.7	13.7	33.0	7.1	40.0	1.5	(NA)	(NA)
28	Chemicals and allied products -----	E1	244	79	9.7	119.5	6.1	12.3	59.1	477.7	400.8	856.9	30.9	8.1	248.6
284	Soaps, cleaners, and toilet goods -----	-	94	28	4.9	49.8	3.3	6.6	25.9	239.4	149.8	390.6	13.7	(NA)	(NA)
2841	Soap and other detergents -----	E2	17	4	0.5	7.4	0.3	0.6	3.5	26.6	30.6	56.7	2.3	(NA)	(NA)
2844	Toilet preparations -----	-	44	17	4.0	37.8	2.7	5.5	20.0	198.9	101.3	301.5	9.7	(NA)	(NA)
2851	Paints and allied products -----	E1	30	12	0.6	7.5	0.3	0.6	3.2	17.3	29.6	46.3	(D)	(NA)	(NA)
289	Miscellaneous chemical products -----	E1	57	13	0.8	11.5	0.4	0.9	4.9	32.8	35.2	67.4	1.9	(NA)	(NA)
29	Petroleum and coal products -	-	25	11	2.3	43.4	1.7	3.6	30.2	220.4	1 190.6	1 403.8	34.0	2.1	58.0
30	Rubber and miscellaneous plastics products -----	E1	255	74	6.7	75.8	5.2	10.4	52.2	177.8	153.3	329.4	8.9	6.8	138.6
3079	Miscellaneous plastics products -----	E1	225	65	4.9	47.4	3.7	7.5	30.6	104.8	93.7	197.8	7.7	(NA)	(NA)
31	Leather and leather products -----	E1	123	47	5.8	43.6	5.3	9.5	34.3	79.1	66.5	144.5	2.1	3.0	29.7
3144	Women's footwear, except athletic -----	-	20	16	2.6	20.4	2.4	4.5	16.1	35.8	27.1	62.2	0.7	(NA)	(NA)
3171	Women's handbags and purses -----	E1	36	14	1.5	11.2	1.4	2.3	9.0	19.7	16.0	35.5	(D)	(NA)	(NA)
32	Stone, clay, and glass products -----	E1	191	50	4.7	54.9	3.1	6.2	32.7	116.2	88.3	202.8	9.4	4.4	69.0
33	Primary metal industries -----	-	99	34	4.5	56.9	3.6	7.0	38.7	117.1	116.7	234.1	7.6	4.4	76.3
336	Nonferrous foundries -----	E1	41	10	1.0	11.3	0.8	1.5	7.9	21.1	16.3	37.4	0.7	(NA)	(NA)
3361	Aluminum foundries -----	E1	25	5	0.6	6.8	0.5	1.0	5.1	13.1	9.0	22.0	(D)	(NA)	(NA)
34	Fabricated metal products ---	-	677	229	23.0	294.9	16.5	33.4	173.1	633.8	462.4	1 073.4	34.1	17.8	295.6
342	Cutlery, hand tools, and hardware -----	-	54	24	3.3	35.2	2.6	5.4	24.9	82.5	45.6	125.0	5.6	(NA)	(NA)
3429	Hardware, n.e.c. -----	-	37	18	2.3	24.3	1.8	3.9	16.3	53.9	32.5	83.3	4.3	(NA)	(NA)
343	Plumbing and heating, except electric -----	-	19	9	2.2	22.7	1.8	3.6	15.8	72.0	59.7	131.0	(D)	(NA)	(NA)
344	Fabricated structural metal products -----	E1	192	56	6.3	93.0	3.2	6.3	34.8	187.3	109.7	296.8	9.0	(NA)	(NA)
3442	Metal doors, sash, and trim -----	-	31	10	1.6	15.8	1.2	2.3	9.6	31.7	37.0	68.5	2.3	(NA)	(NA)
3444	Sheet metal work -----	E3	93	26	1.3	17.0	1.0	2.0	11.6	30.3	30.2	59.9	1.7	(NA)	(NA)
345	Screw machine products, bolts, etc. -----	E1	49	18	1.5	19.5	1.1	2.2	12.4	42.9	24.4	64.0	3.7	(NA)	(NA)
346	Metal forgings and stampings -----	E1	70	25	1.5	18.1	1.2	2.4	12.1	35.7	32.0	67.3	2.1	(NA)	(NA)
3469	Metal stampings, n.e.c. ---	E1	58	19	1.2	14.5	1.0	2.0	9.6	27.1	19.8	46.8	(D)	(NA)	(NA)
347	Metal services, n.e.c. -----	E1	172	52	3.2	31.3	2.8	5.6	22.4	57.0	25.5	82.4	2.4	(NA)	(NA)
3471	Plating and polishing -----	E1	127	40	2.5	24.2	2.2	4.4	17.5	44.1	18.2	62.2	2.1	(NA)	(NA)
3479	Metal coating and allied services -----	E1	45	12	0.7	7.1	0.6	1.2	4.8	12.9	7.3	20.2	0.4	(NA)	(NA)
349	Miscellaneous fabricated metal products -----	-	108	40	3.1	36.8	2.4	4.4	22.0	80.2	59.2	135.9	3.7	(NA)	(NA)
3496	Miscellaneous fabricated wire products -----	E2	23	11	0.5	4.9	0.4	0.8	3.4	10.1	8.8	18.7	(D)	(NA)	(NA)
3499	Fabricated metal products, n.e.c. -----	-	59	14	1.2	14.7	1.0	1.9	9.5	30.7	22.5	52.6	1.9	(NA)	(NA)
35 353	Machinery, except electrical -- Construction and related machinery -----	- E1	917 34	167 15	19.7 1.4	261.3 16.4	13.0 0.8	25.8 1.6	141.2 9.8	526.9 38.6	466.1 40.2	972.0 76.5	29.0 (D)	17.7 (NA)	328.5 (NA)
3531	Construction machinery -----	-	11	6	0.6	6.5	0.4	0.7	4.2	11.5	16.2	26.5	(D)	(NA)	(NA)
354	Metalworking machinery -----	-	140	14	2.0	26.5	1.6	3.0	18.6	73.9	74.6	146.0	(D)	(NA)	(NA)
355	Special industry machinery -	E1	60	14	0.8	10.2	0.5	1.0	5.3	20.2	13.0	33.1	(D)	(NA)	(NA)

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

		1977												1972	
SIC code	City and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
Los Angeles—Con.															
35	Machinery, except electrical—Con.														
356	General industrial machinery -----	E1	85	24	1.9	26.6	1.3	2.7	15.9	47.8	40.0	87.4	(D)	(NA)	(NA)
3569	General industrial machinery, n.e.c. -----	E1	38	11	0.8	10.2	0.5	0.9	5.4	20.6	16.0	35.7	1.1	(NA)	(NA)
357	Office and computing machines -----	-	50	21	5.3	72.5	2.7	5.8	24.8	150.8	113.8	258.5	(D)	(NA)	(NA)
358	Refrigeration and service machinery -----	-	56	15	2.0	24.4	1.1	2.2	14.2	37.3	53.3	84.8	(D)	(NA)	(NA)
359	Miscellaneous machinery, except electrical -----	E2	474	55	4.3	59.5	3.4	6.7	39.9	104.2	49.9	152.3	(D)	(NA)	(NA)
36	Electric and electronic equipment -----	-	578	215	35.6	506.9	20.8	40.9	231.1	1 016.6	642.5	1 646.4	36.1	34.6	584.7
362	Electrical industrial apparatus -----	-	40	20	1.6	18.3	1.1	2.2	10.8	35.2	37.0	71.2	2.6	(NA)	(NA)
364	Electric lighting and wiring equipment -----	E1	85	34	3.4	37.4	2.6	4.9	22.9	89.1	67.3	155.3	3.4	(NA)	(NA)
365	Radio and TV receiving equipment -----	-	135	31	5.7	64.8	4.0	8.2	39.8	205.3	167.2	373.6	6.1	(NA)	(NA)
369	Miscellaneous electrical equipment and supplies --	E1	44	16	1.8	20.2	1.3	2.6	12.0	46.3	28.4	73.2	1.5	(NA)	(NA)
37	Transportation equipment ---	-	293	108	44.6	788.0	26.0	52.8	404.4	1 699.5	1 758.0	3 290.8	59.1	37.3	808.7
372	Aircraft and parts -----	-	81	30	24.1	452.4	11.6	24.9	196.5	949.6	592.1	1 369.6	27.3	(NA)	(NA)
3728	Aircraft equipment, n.e.c. -----	-	55	21	6.8	128.7	5.1	11.3	96.2	226.7	110.0	331.2	(D)	(NA)	(NA)
373	Ship and boat building and repairing -----	-	43	11	3.2	50.9	2.7	5.2	41.1	90.3	52.0	141.7	1.4	(NA)	(NA)
379	Miscellaneous transportation equipment -	-	18	8	0.5	4.7	0.4	0.7	3.1	8.7	14.7	24.0	(D)	(NA)	(NA)
38	Instruments and related products -----	E2	223	58	7.3	95.4	4.5	8.7	48.7	203.2	127.7	327.3	9.3	6.1	117.5
3811	Engineering and scientific instruments ---	E1	20	8	0.7	11.4	0.4	0.9	6.0	20.9	11.7	33.2	0.8	(NA)	(NA)
382	Measuring and controlling devices -----	E1	55	22	3.0	37.7	1.8	3.7	18.8	86.6	46.6	131.7	3.8	(NA)	(NA)
3823	Process control instruments -----	E4	12	8	0.9	12.7	0.5	1.0	5.1	27.9	12.4	39.5	(D)	(NA)	(NA)
3832	Optical instruments and lenses -----	-	13	6	0.6	9.3	0.3	0.6	3.5	17.7	11.0	27.7	0.5	(NA)	(NA)
384	Medical instruments and supplies -----	E3	79	14	2.2	26.8	1.4	2.7	15.1	49.7	41.3	89.9	2.7	(NA)	(NA)
3861	Photographic equipment and supplies -----	E3	36	8	0.6	8.6	0.4	0.6	4.2	25.0	14.9	39.2	(D)	(NA)	(NA)
39	Miscellaneous manufacturing industries -----	E1	569	93	9.3	93.9	7.2	13.4	56.5	214.9	169.0	379.6	5.7	8.4	119.3
394	Toys and sporting goods --	-	79	22	2.7	23.8	2.2	3.8	14.4	62.3	45.0	106.3	(D)	(NA)	(NA)
3949	Sporting and athletic goods, n.e.c. -----	-	46	13	1.2	9.4	1.1	1.9	6.5	27.5	21.0	47.9	0.7	(NA)	(NA)
399	Miscellaneous manufactures -----	E2	261	31	2.9	32.6	2.2	3.8	18.5	61.9	37.2	98.4	(D)	(NA)	(NA)
3993	Signs and advertising displays -----	-	78	12	1.1	16.1	0.8	1.4	8.1	30.9	13.3	43.5	0.6	(NA)	(NA)
3999	Manufacturing industries, n.e.c. -----	E4	165	13	1.3	12.4	1.1	1.8	8.1	25.1	16.0	40.9	0.6	(NA)	(NA)
--	Administrative and auxiliary --	-	182	89	13.0	294.7	-	-	-	-	-	-	-	(NA)	(NA)
Los Banos -----															
		-	17	7	0.5	5.9	0.5	0.9	4.7	23.5	109.9	133.4	1.5	(NA)	(NA)
Lynwood -----															
		-	127	40	3.2	44.6	2.2	4.5	25.9	82.2	84.3	166.9	7.4	3.7	65.8
34	Fabricated metal products ---	E1	29	10	1.0	13.6	0.8	1.8	9.8	28.6	28.2	56.0	1.1	0.9	16.5
35	Machinery, except electrical --	-	24	7	0.7	11.8	0.5	1.0	7.3	21.7	13.3	36.8	(D)	0.5	8.4
Madera -----															
		-	38	13	1.9	25.8	1.4	2.8	19.0	80.0	148.6	225.2	9.3	1.3	33.0
Manhattan Beach -----															
		-	16	4	0.8	10.1	0.5	0.9	4.8	15.1	17.1	34.9	0.5	(D)	(D)
Manteca -----															
		-	18	8	0.8	8.8	0.6	1.3	6.1	22.7	46.8	70.1	1.4	0.7	16.2
Marysville -----															
		-	27	10	0.8	9.5	0.7	1.4	7.2	20.5	30.4	50.0	2.2	0.7	9.7
24	Lumber and wood products --	E1	10	6	0.6	7.7	0.5	1.1	6.3	16.4	27.1	42.5	(D)	(NA)	(NA)
Maywood -----															
		-	59	10	0.7	5.9	0.6	1.0	4.4	10.6	4.8	15.5	0.5	0.7	10.4
Menlo Park -----															
		-	75	35	5.9	102.8	2.7	5.3	39.1	203.5	159.3	347.0	14.5	4.4	114.1

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Menlo Park—Con.														
27	Printing and publishing -----	-	15	7	0.9	14.3	0.2	0.4	2.8	38.9	30.2	65.1	0.9	(NA)	(NA)
36	Electric and electronic equipment -----	E1	11	7	1.1	13.4	0.6	1.2	5.9	33.9	16.2	48.6	1.7	0.5	7.6
	Merced -----	-	40	21	2.3	23.1	1.9	3.5	17.7	78.5	130.8	208.9	8.1	2.8	94.4
20	Food and kindred products --	-	5	3	0.6	6.1	0.5	0.8	5.5	24.0	64.4	88.4	3.6	(NA)	(NA)
	Modesto -----	-	128	41	6.5	96.3	4.0	8.2	52.8	239.7	493.3	727.4	32.8	5.2	111.3
20	Food and kindred products --	-	35	18	4.2	61.7	2.6	5.6	35.4	177.1	409.9	581.5	28.8	3.9	74.7
203	Preserved fruits and vegetables -----	-	6	5	1.9	26.5	1.6	3.5	21.4	69.4	157.1	226.5	(D)	(NA)	(NA)
	Monrovia -----	-	151	44	5.3	65.4	3.6	7.0	34.2	123.8	93.4	214.1	8.4	6.0	101.7
35	Machinery, except electrical --	E1	39	5	0.5	6.6	0.3	0.6	3.3	12.9	8.3	21.2	1.1	(NA)	(NA)
36	Electric and electronic equipment -----	E2	15	11	0.9	8.9	0.6	1.2	4.9	17.8	12.2	29.4	0.4	0.7	9.6
367	Electronic components and accessories -----	E3	9	7	0.6	5.7	0.5	0.9	3.2	11.8	7.9	19.4	0.3	(NA)	(NA)
	Montclair -----	-	53	10	0.6	6.7	0.5	0.9	4.3	16.4	21.5	37.2	0.8	(NA)	(NA)
	Montebello -----	-	118	55	6.0	73.4	4.4	8.9	44.7	165.8	203.1	364.5	6.2	4.1	72.6
20	Food and kindred products --	E1	14	7	0.7	9.0	0.6	1.1	6.5	31.8	23.4	54.9	0.8	0.5	11.2
25	Furniture and fixtures -----	E4	5	3	0.6	5.3	0.5	1.0	3.7	10.9	11.0	22.0	(D)	(NA)	(NA)
251	Household furniture -----	E4	5	3	0.6	5.3	0.5	1.0	3.7	10.9	11.0	22.0	(D)	(NA)	(NA)
26	Paper and allied products ---	E1	6	5	0.5	5.5	0.3	0.7	3.5	11.2	16.0	27.1	(D)	0.5	8.0
30	Rubber and miscellaneous plastics products -----	E1	9	3	0.5	6.4	0.3	0.6	3.0	12.9	10.3	22.2	0.6	(NA)	(NA)
34	Fabricated metal products ---	-	10	7	0.6	6.9	0.4	0.8	4.4	13.3	14.4	27.5	0.6	0.5	6.6
35	Machinery, except electrical --	-	16	11	1.2	16.6	0.8	1.6	9.4	32.9	42.6	75.8	1.6	0.8	16.8
	Monterey -----	-	45	8	0.8	8.6	0.5	0.9	4.4	19.6	11.2	30.9	0.8	0.7	11.7
	Monterey Park -----	-	86	42	3.1	37.9	2.1	4.1	20.1	61.4	44.4	105.3	2.5	3.3	54.5
34	Fabricated metal products ---	-	10	5	0.5	5.2	0.4	0.8	3.4	11.1	7.7	18.8	0.8	0.5	7.7
35	Machinery, except electrical --	E1	17	11	0.5	7.5	0.4	0.8	5.2	14.0	8.5	22.2	0.6	0.5	10.8
	Mountain View -----	-	302	95	16.8	229.4	8.8	17.6	89.2	524.5	340.7	859.4	36.0	13.8	203.9
27	Printing and publishing -----	-	33	6	0.7	8.1	0.4	0.8	4.7	13.3	12.4	25.7	(D)	0.5	10.5
35	Machinery, except electrical --	-	78	17	2.1	32.7	1.1	2.3	14.5	70.9	45.2	117.1	5.7	1.5	31.7
36	Electric and electronic equipment -----	-	79	40	10.3	138.5	5.2	10.4	49.9	346.2	221.3	564.3	24.7	6.9	113.7
366	Communication equipment -	-	21	15	2.1	30.6	1.0	2.0	12.1	75.3	55.1	129.0	(D)	(NA)	(NA)
367	Electronic components and accessories -----	-	38	20	7.8	101.5	3.8	7.7	34.9	256.3	159.9	414.5	(D)	(NA)	(NA)
38	Instruments and related products -----	-	35	12	1.9	27.2	1.1	2.1	11.2	63.7	29.3	90.3	(D)	0.9	22.1
382	Measuring and controlling devices -----	-	11	5	0.7	7.3	0.4	0.6	3.1	21.0	10.9	30.0	0.8	(NA)	(NA)
	Napa -----	-	56	21	1.7	20.1	1.4	2.6	13.7	44.0	42.0	84.9	2.9	1.8	40.1
	National City -----	-	87	21	1.7	22.2	1.2	2.5	14.3	39.8	98.0	138.1	1.4	6.9	169.1

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry		1977											1972	
			All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
		E1													
	Newark -----	-	57	19	3.5	52.1	2.2	4.7	32.3	142.9	276.9	416.7	6.0	3.1	69.5
28	Chemicals and allied products -----	-	9	5	0.7	12.7	0.5	0.9	7.4	42.0	53.9	93.8	2.9	0.8	25.7
	Newport Beach -----	-	167	23	6.9	125.3	3.4	6.7	37.2	219.5	123.3	339.1	6.8	6.5	106.6
36	Electric and electronic equipment -----	-	16	7	5.5	100.5	2.5	5.1	28.6	188.4	102.0	286.9	5.8	2.6	27.0
	Norwalk -----	-	71	18	2.1	23.7	1.8	3.5	16.4	49.9	61.6	110.1	7.1	1.2	20.7
	Novato -----	-	50	1	0.5	6.3	0.3	0.6	4.0	13.7	11.8	25.5	0.9	(NA)	(NA)
	Oakdale -----	-	18	7	1.6	18.9	1.3	2.3	14.1	59.1	120.9	171.6	2.4	1.2	31.8
20	Food and kindred products --	-	7	4	1.4	16.5	1.2	2.0	12.7	54.4	116.9	162.8	(D)	1.1	29.6
	Oakland -----	-	692	206	25.7	396.8	16.3	31.1	218.6	739.1	803.6	1 531.2	46.0	25.9	474.3
20	Food and kindred products --	-	67	42	6.7	100.1	4.4	8.4	58.5	262.0	364.9	628.3	18.4	6.3	187.7
203	Preserved fruits and vegetables -----	-	9	6	1.5	18.1	1.3	2.5	15.8	50.1	91.4	143.0	2.4	(NA)	(NA)
205	Bakery products -----	-	15	11	2.7	45.2	1.5	2.8	22.0	104.5	66.1	170.6	11.1	(NA)	(NA)
209	Miscellaneous foods and kindred products -----	-	14	5	0.6	8.3	0.3	0.7	4.1	23.0	22.8	45.4	1.1	(NA)	(NA)
2099	Food preparations, n.e.c. -----	-	8	3	0.5	7.3	0.3	0.6	3.7	19.3	17.5	36.4	(D)	(NA)	(NA)
23	Apparel and other textile products -----	E2	68	14	1.0	7.9	0.9	1.6	6.0	12.2	8.9	21.1	0.2	0.9	6.7
233	Women's and misses' outerwear -----	E3	48	10	0.7	5.0	0.7	1.1	4.1	8.0	3.5	11.5	0.1	(NA)	(NA)
25	Furniture and fixtures -----	E1	23	10	0.6	6.8	0.5	1.0	5.0	13.0	9.5	22.5	0.5	(NA)	(NA)
26	Paper and allied products ---	-	12	6	0.5	7.0	0.4	0.7	4.7	11.7	18.6	30.0	0.7	0.6	10.1
27	Printing and publishing -----	-	96	11	1.9	28.2	1.0	1.7	14.9	46.7	24.2	70.6	2.4	1.9	32.6
28	Chemicals and allied products -----	E1	31	11	0.7	9.9	0.4	0.8	5.2	49.7	61.5	110.9	1.5	0.6	31.4
33	Primary metal industries -----	-	26	12	1.1	14.7	0.9	1.7	11.3	29.3	35.4	63.8	1.5	1.2	21.4
332	Iron and steel foundries ---	-	8	6	0.7	9.7	0.6	1.2	7.5	19.4	16.6	35.8	0.8	(NA)	(NA)
34	Fabricated metal products ---	-	107	41	2.8	44.5	2.2	4.4	31.9	103.3	112.5	210.1	3.5	2.8	44.6
35	Machinery, except electrical --	E1	96	18	2.1	30.1	1.5	2.8	20.0	59.3	34.1	88.6	2.6	2.3	44.3
357	Office and computing machines -----	-	6	3	0.7	8.6	0.6	1.0	6.7	15.5	8.9	24.3	0.9	(NA)	(NA)
36	Electric and electronic equipment -----	-	14	4	1.1	18.1	0.7	1.6	11.6	42.5	30.5	69.3	(D)	0.8	12.9
37	Transportation equipment ---	E2	27	7	0.7	10.5	0.6	1.1	7.9	20.9	30.9	52.1	1.3	0.6	11.4
--	Administrative and auxiliary --	-	20	14	2.9	67.1	-	-	-	-	-	-	-	(NA)	(NA)
	Oceanside -----	-	56	17	1.5	15.0	1.1	1.9	7.9	30.3	24.1	53.1	1.5	0.9	16.2
36	Electric and electronic equipment -----	-	8	4	0.8	7.5	0.6	1.0	3.9	13.9	11.5	25.6	0.6	(NA)	(NA)
	Ontario -----	-	136	51	7.7	89.4	6.1	10.5	61.8	257.9	170.1	433.4	16.8	7.6	141.1
37	Transportation equipment ---	-	14	7	2.6	33.6	2.1	3.2	22.9	108.8	33.6	144.3	(D)	2.7	45.4
	Orange -----	-	379	98	8.2	94.7	6.4	12.4	60.8	213.2	263.3	471.1	13.0	4.3	70.6
24	Lumber and wood products --	-	30	11	0.7	8.5	0.6	1.3	6.6	20.4	26.3	46.3	0.7	0.5	8.8
243	Millwork, plywood, and structural members -----	-	19	10	0.6	8.0	0.5	1.2	6.2	19.3	25.2	44.1	0.6	(NA)	(NA)

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

(Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B)

SIC code	City and industry		1977											1972	
			All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			E ¹	Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)					
	Orange—Con.														
25	Furniture and fixtures -----	-		20	6	0.8	5.4	0.7	1.1	4.4	8.9	7.1	16.0	0.2	(NA) (NA)
30	Rubber and miscellaneous plastics products -----	-		29	10	1.1	12.8	0.9	1.9	8.3	30.2	36.4	66.4	1.8	0.8 14.3
34	Fabricated metal products ---	E1		42	10	0.8	11.0	0.6	1.3	7.2	25.3	24.9	48.5	1.0	0.7 6.9
344	Fabricated structural metal products -----	-		17	5	0.5	7.8	0.4	0.8	5.2	17.3	18.8	34.4	0.7	(NA) (NA)
35	Machinery, except electrical --	E1		67	10	1.3	18.7	0.9	1.9	10.3	42.3	22.7	63.5	2.4	(NA) (NA)
36	Electric and electronic equipment -----	E2		32	8	0.7	7.6	0.6	1.2	5.2	14.1	10.6	23.6	1.2	(NA) (NA)
367	Electronic components and accessories -----	E2		20	7	0.6	6.0	0.5	1.0	4.1	10.9	6.5	16.4	1.1	(NA) (NA)
39	Miscellaneous manufacturing industries -----	E1		24	5	0.6	3.6	0.5	0.8	2.5	8.5	7.8	16.3	0.4	(NA) (NA)
394	Toys and sporting goods --	-		9	3	0.5	2.3	0.4	0.7	1.7	5.8	6.0	11.9	0.4	(NA) (NA)
	Oroville -----	-		37	11	1.4	18.1	1.2	2.4	15.2	43.5	79.1	120.0	2.4	0.8 16.5
24	Lumber and wood products --	-		20	8	0.8	10.4	0.7	1.3	8.7	25.8	57.9	82.0	1.4	(NA) (NA)
	Oxnard -----	-		92	34	5.8	71.3	3.8	8.0	41.2	162.9	200.5	362.7	14.7	4.6 78.2
20	Food and kindred products --	-		8	5	1.0	10.5	0.9	2.1	9.2	55.9	54.4	111.2	(D)	1.2 21.7
	Palm Springs -----	-		42	6	0.5	5.2	0.3	0.5	2.1	13.8	8.2	21.2	0.8	(NA) (NA)
	Palo Alto -----	-		212	74	22.7	369.6	11.7	23.5	153.8	634.4	344.5	956.4	46.2	17.9 386.7
27	Printing and publishing -----	-		58	14	1.1	16.1	0.5	0.9	7.6	46.6	14.4	61.2	2.0	1.1 28.9
35	Machinery, except electrical --	E2		21	5	0.5	5.3	0.4	0.7	3.3	10.3	9.3	18.9	(D)	0.7 16.1
36	Electric and electronic equipment -----	-		43	20	14.0	236.4	8.2	16.1	109.7	418.1	229.7	626.9	31.7	9.2 214.3
367	Electronic components and accessories -----	-		27	11	9.1	149.5	5.8	11.6	77.3	234.4	119.6	356.6	(D)	(NA) (NA)
38	Instruments and related products -----	-		27	15	3.6	53.2	2.0	4.6	26.9	128.0	46.4	172.6	6.5	3.2 99.7
-	Administrative and auxiliary --	-		14	8	2.8	48.9	-	-	-	-	-	-	-	(NA) (NA)
	Paramount -----	-		307	71	5.9	75.6	4.5	8.9	50.4	167.7	361.1	515.3	14.2	5.4 92.5
33	Primary metal industries -----	-		13	4	0.5	8.1	0.4	0.9	6.2	16.5	34.1	50.4	0.8	0.6 12.7
34	Fabricated metal products ---	E1		60	20	1.6	21.5	1.1	2.2	13.2	57.2	34.4	81.2	7.1	1.2 20.1
35	Machinery, except electrical --	E1		93	13	1.1	14.5	0.9	1.7	10.7	24.7	16.9	41.9	1.1	0.9 15.5
359	Miscellaneous machinery, except electrical -----	E2		58	7	0.6	7.0	0.5	0.9	5.0	12.6	4.9	17.3	0.7	(NA) (NA)
39	Miscellaneous manufacturing industries -----	-		14	6	0.8	6.6	0.6	1.3	4.1	24.4	22.5	45.4	1.3	(NA) (NA)
394	Toys and sporting goods --	-		9	6	0.7	6.3	0.6	1.3	4.0	23.9	22.2	44.5	1.3	(NA) (NA)
	Pasadena -----	-		297	70	9.8	138.2	5.5	10.7	56.5	180.9	126.0	299.4	9.4	9.0 205.1
23	Apparel and other textile products -----	E5		36	16	1.1	7.0	1.0	1.5	5.3	12.6	9.5	21.1	0.5	0.6 4.1
233	Women's and misses' outerwear -----	E6		26	12	0.9	5.7	0.8	1.3	4.3	10.0	7.2	16.3	0.4	(NA) (NA)
27	Printing and publishing -----	E1		50	4	0.7	9.2	0.4	0.6	4.7	16.4	7.2	23.5	1.3	0.8 13.0
35	Machinery, except electrical --	E1		45	7	1.1	15.3	0.7	1.3	7.4	16.8	26.3	40.8	1.3	1.0 6.1
36	Electric and electronic equipment -----	E1		21	5	0.8	9.0	0.6	1.2	5.7	19.3	13.6	32.9	1.0	0.9 15.4

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

Explanation of terms, see appendix B1															
SIC code	City and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
38	Pasadena—Con.														
	Instruments and related products -----	-	21	8	1.9	27.0	1.4	3.1	18.9	56.4	25.7	78.7	1.5	1.2	20.9
--	Administrative and auxiliary --	-	12	10	2.4	46.6	-	-	-	-	-	-	-	(NA)	(NA)
	Patterson -----	-	8	3	0.7	7.2	0.7	1.3	6.0	7.3	15.7	23.0	1.3	(D)	(D)
	Perris -----	-	19	7	0.5	5.6	0.4	0.8	3.7	10.3	26.6	35.8	0.4	0.5	6.2
	Petaluma -----	-	46	13	1.0	12.7	0.8	1.5	9.1	25.9	43.4	68.9	1.2	0.7	14.0
	Pico Rivera -----	-	84	46	5.6	87.7	4.4	9.0	64.7	251.1	720.8	966.7	3.8	7.3	190.2
35	Machinery, except electrical --	-	12	6	0.5	6.4	0.1	0.3	2.9	11.3	16.7	26.0	0.2	0.5	10.1
	Pittsburg -----	-	31	10	3.1	61.4	2.4	4.8	46.4	(S)	543.8	505.4	2.9	3.6	53.7
	Placentia -----	-	78	10	0.7	8.4	0.5	1.0	5.3	16.5	24.1	40.0	5.9	1.3	25.5
	Pleasanton -----	-	45	15	1.2	18.6	0.4	0.9	5.8	20.2	28.4	47.6	1.7	0.6	4.4
	Pomona -----	-	165	56	11.6	173.2	7.3	14.6	93.5	375.7	234.8	638.6	12.2	10.8	210.1
26	Paper and allied products ---	-	10	8	1.0	17.3	0.8	1.6	13.1	45.3	69.0	114.4	2.0	(NA)	(NA)
32	Stone, clay, and glass products -----	-	8	3	0.6	7.4	0.6	1.1	6.2	17.1	14.3	31.6	0.9	0.6	11.5
33	Primary metal industries -----	-	7	4	0.7	9.1	0.5	1.0	5.7	23.7	20.1	43.9	0.2	0.6	11.7
35	Machinery, except electrical --	E2	31	6	0.5	6.9	0.4	0.8	4.7	14.1	8.3	21.6	1.0	(NA)	(NA)
36	Electric and electronic equipment -----	-	13	6	1.0	13.3	0.7	1.4	8.8	22.8	19.7	41.6	1.6	0.8	10.8
38	Instruments and related products -----	-	8	2	0.5	8.7	0.2	0.3	2.5	12.3	4.2	16.6	(D)	0.5	5.6
	Porterville -----	-	32	12	1.3	12.4	1.0	1.8	8.3	35.4	28.4	62.9	1.2	0.8	9.0
	Red Bluff -----	-	35	10	1.6	24.6	1.4	3.3	21.2	59.1	94.1	149.6	2.2	(NA)	(NA)
24	Lumber and wood products --	-	22	6	1.1	17.0	1.0	2.1	15.5	40.6	69.8	108.1	(D)	(NA)	(NA)
	Redding -----	-	80	15	0.9	11.6	0.7	1.2	7.6	30.8	33.8	65.0	2.2	1.0	22.8
	Redlands -----	-	35	9	0.9	9.0	0.7	1.1	5.9	20.5	21.5	41.5	1.1	2.3	49.6
	Redwood City -----	-	138	27	3.6	53.7	2.0	3.9	26.1	84.2	66.8	150.1	8.6	3.3	44.6
35	Machinery, except electrical --	-	39	4	0.5	7.8	0.4	0.8	5.8	14.4	4.9	18.9	1.0	(NA)	(NA)
36	Electric and electronic equipment -----	-	11	4	1.2	19.9	0.3	0.5	4.8	18.8	14.7	32.8	0.8	(NA)	(NA)
	Rialto -----	-	33	8	0.6	7.9	0.5	1.1	5.3	15.7	19.0	35.3	2.8	0.6	8.9
	Richmond -----	-	133	51	8.1	145.5	4.9	9.0	76.2	1 014.4	1 560.3	2 558.0	29.0	8.2	204.1
	Ripon -----	-	16	8	0.7	11.3	0.5	1.0	7.1	46.7	123.0	163.9	(D)	0.7	49.2
	Riverside -----	-	190	54	8.3	109.6	5.5	10.6	58.9	210.3	222.6	433.9	20.3	8.1	126.5
20	Food and kindred products --	E3	12	6	0.7	6.6	0.5	1.0	4.2	15.3	43.4	58.5	0.7	0.5	9.3
24	Lumber and wood products --	-	13	6	0.9	10.3	0.8	1.5	7.8	18.6	42.8	61.3	0.3	0.8	9.1
27	Printing and publishing -----	-	26	9	0.8	10.4	0.5	0.8	5.6	38.6	17.2	55.8	3.6	1.0	22.5
35	Machinery, except electrical --	-	28	6	0.8	11.2	0.5	0.9	5.5	15.4	14.5	30.1	0.8	(NA)	(NA)
354	Metalworking machinery ---	-	11	3	0.5	6.6	0.3	0.6	3.5	8.8	11.0	19.5	(D)	(NA)	(NA)

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry	1977												1972	
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Rohnert Park -----	-	19	6	0.6	5.7	0.5	0.8	4.2	10.4	14.5	24.8	(D)	(NA)	(NA)
	Rosemead -----	-	64	17	1.1	11.0	1.0	1.9	7.7	20.7	16.2	36.5	(D)	1.0	14.8
	Sacramento -----	-	356	89	11.3	164.2	7.1	13.9	90.5	379.5	551.7	921.1	23.8	11.7	311.6
20	Food and kindred products --	-	40	19	3.3	45.5	2.2	4.3	28.3	100.3	264.2	363.8	(D)	4.7	123.2
202	Dairy products -----	-	5	4	0.5	10.0	0.3	0.6	5.5	20.2	130.9	150.9	(D)	(NA)	(NA)
203	Preserved fruits and vegetables -----	-	8	4	1.2	14.6	1.1	2.1	13.2	26.4	65.3	91.5	1.9	(NA)	(NA)
2033	Canned fruits and vegetables -----	-	4	3	1.2	14.3	1.1	2.1	13.0	25.7	64.5	90.1	1.9	(NA)	(NA)
24	Lumber and wood products --	-	37	15	1.1	11.7	1.0	2.0	9.5	20.9	42.1	61.8	1.0	0.8	12.6
27	Printing and publishing -----	-	81	11	1.8	27.4	0.8	1.5	12.1	54.7	25.1	79.7	2.1	1.6	31.3
344	Fabricated structural metal products -----	-	20	10	0.6	9.3	0.5	1.0	5.7	16.6	23.9	39.9	1.4	(NA)	(NA)
35	Machinery, except electrical --	-	20	3	0.5	7.4	0.3	0.5	3.7	15.9	10.8	25.8	1.2	(NA)	(NA)
	Salinas -----	-	76	26	3.4	39.4	2.6	5.0	27.7	130.6	130.8	257.9	4.1	2.9	62.6
20	Food and kindred products --	E4	16	11	2.1	22.9	1.6	3.2	16.4	91.6	88.5	179.0	2.6	2.1	46.5
	San Bernardino -----	-	120	30	2.7	28.5	1.8	3.2	15.7	57.4	55.5	112.7	(D)	2.8	46.9
23	Apparel and other textile products -----	E4	14	8	0.7	4.1	0.6	1.0	3.4	7.1	2.9	9.9	(D)	(NA)	(NA)
233	Women's and misses' outerwear -----	E4	8	7	0.6	3.6	0.5	0.9	3.0	6.1	2.5	8.5	(D)	(NA)	(NA)
27	Printing and publishing -----	-	19	4	0.7	7.9	0.3	0.6	3.6	17.2	5.9	23.1	(D)	0.6	11.7
	San Bruno -----	-	21	5	0.5	7.6	0.3	0.6	5.1	11.4	9.6	20.7	0.4	0.5	7.5
	San Carlos -----	-	148	32	5.3	74.8	3.2	6.4	38.3	122.2	100.3	223.3	6.2	6.2	112.4
36	Electric and electronic equipment -----	-	15	6	3.4	49.5	1.9	3.9	23.8	75.3	46.3	123.8	3.5	4.6	80.8
	San Diego -----	-	922	241	53.3	779.3	33.3	64.3	380.0	1 545.2	1 400.7	2 914.7	77.7	45.1	807.1
20	Food and kindred products --	-	52	24	5.0	63.9	3.1	6.1	34.3	163.6	321.4	485.5	10.8	3.8	58.4
205	Bakery products -----	-	17	10	1.1	15.8	0.5	1.0	6.9	38.5	22.5	61.1	(D)	(NA)	(NA)
2051	Bread, cake, and related products -----	-	17	10	1.1	15.8	0.5	1.0	6.9	38.5	22.5	61.1	(D)	(NA)	(NA)
23	Apparel and other textile products -----	E1	61	15	1.5	9.5	1.2	2.2	7.2	21.3	27.0	49.9	0.9	1.8	22.5
27	Printing and publishing -----	E1	203	29	3.0	44.9	1.5	2.7	19.3	106.9	43.1	149.3	2.7	3.0	63.1
275	Commercial printing -----	E1	121	14	0.9	11.3	0.7	1.2	7.7	22.4	14.3	36.6	0.9	(NA)	(NA)
32	Stone, clay, and glass products -----	-	24	7	0.6	8.0	0.4	0.7	4.4	19.9	26.0	45.9	1.9	0.7	15.9
327	Concrete, gypsum, and plaster products -----	-	13	5	0.5	7.2	0.3	0.6	3.7	18.5	25.1	43.7	1.8	(NA)	(NA)
34	Fabricated metal products ---	-	59	13	1.0	14.2	0.8	1.7	10.6	36.2	30.4	62.3	2.1	(NA)	(NA)
36	Electric and electronic equipment -----	-	110	44	9.6	121.1	6.8	12.6	68.8	279.6	300.8	566.1	13.9	5.9	112.9
3679	Electronic components, n.e.c. -----	E3	41	13	1.1	13.2	0.8	1.5	6.6	26.6	12.9	38.5	2.6	(NA)	(NA)
38	Instruments and related products -----	-	52	20	3.0	38.3	1.8	3.6	20.6	85.7	39.1	123.4	10.8	1.3	35.0
3825	Instruments to measure electricity -----	-	12	8	1.3	17.3	0.7	1.5	10.3	41.4	16.7	59.3	(D)	(NA)	(NA)
39	Miscellaneous manufacturing industries -----	E1	67	18	1.6	16.3	1.1	2.2	9.0	41.2	27.0	67.0	1.4	0.7	7.8
394	Toys and sporting goods --	E2	30	9	0.8	7.9	0.6	1.2	4.1	21.0	14.8	35.0	1.0	(NA)	(NA)

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

explanation of terms, see appendix B]

SIC code	City and industry	1977											1972		
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
--	San Diego—Con.														
	Administrative and auxiliary --	-	19	8	0.7	12.8	-	-	-	-	-	-	-	(NA)	(NA)
	San Dimas -----	-	37	9	0.9	8.8	0.6	1.3	5.2	25.3	15.9	41.2	1.1	0.6	19.4
	San Fernando -----	-	90	27	3.8	32.5	3.2	5.7	21.9	53.8	86.7	146.4	3.6	2.0	22.9
23	Apparel and other textile products -----	E1	17	9	0.7	4.9	0.7	1.2	4.0	6.4	5.1	12.6	0.1	0.6	4.0
233	Women's and misses' outerwear -----	E2	11	6	0.5	3.2	0.4	0.8	2.6	4.4	1.7	6.1	(D)	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	E1	5	3	0.6	6.3	0.5	1.0	4.4	14.1	18.6	32.6	1.4	(NA)	(NA)
3079	Miscellaneous plastics products -----	E1	5	3	0.6	6.3	0.5	1.0	4.4	14.1	18.6	32.6	1.4	(NA)	(NA)
36	Electric and electronic equipment -----	-	12	4	1.5	10.3	1.3	2.1	7.3	14.1	7.3	21.6	1.0	0.6	7.4
	San Francisco -----	-	1 707	405	42.9	699.3	23.3	45.4	271.3	1 065.5	1 359.9	2 418.1	35.3	(NA)	(NA)
20	Food and kindred products --	-	153	41	4.0	63.0	2.3	4.5	32.8	182.7	606.7	789.3	5.3	(NA)	(NA)
23	Apparel and other textile products -----	E1	365	99	7.8	59.5	6.6	11.3	41.0	209.1	266.6	474.6	3.1	(NA)	(NA)
233	Women's and misses' outerwear -----	E1	267	68	5.9	45.4	5.0	8.4	30.1	114.8	120.6	235.3	2.2	(NA)	(NA)
2331	Women's and misses' blouses and waists -----	-	47	15	1.3	12.9	1.0	1.4	5.9	44.4	55.8	99.9	(D)	(NA)	(NA)
2335	Women's and misses' dresses -----	E3	178	33	2.5	15.7	2.2	3.7	12.0	33.3	27.8	61.4	(D)	(NA)	(NA)
2337	Women's and misses' suits and coats -----	E4	21	9	1.2	9.4	1.1	1.9	7.0	16.6	15.5	32.6	(D)	(NA)	(NA)
2339	Women's and misses' outerwear, n.e.c. -----	-	21	11	0.9	7.3	0.7	1.3	5.2	20.6	21.5	41.5	(D)	(NA)	(NA)
24	Lumber and wood products --	E2	43	7	0.5	6.6	0.4	0.8	4.6	12.4	14.7	26.9	1.0	(NA)	(NA)
25	Furniture and fixtures -----	E1	56	18	0.9	11.4	0.7	1.4	8.3	22.1	15.2	37.1	(D)	(NA)	(NA)
27	Printing and publishing -----	E1	453	74	7.3	116.4	4.3	7.7	63.7	263.4	131.4	392.6	8.3	(NA)	(NA)
273	Books -----	-	40	8	0.9	16.3	0.2	0.3	2.3	34.3	18.1	50.9	1.4	(NA)	(NA)
2731	Book publishing -----	-	32	5	0.8	15.0	0.1	0.1	1.4	32.0	16.8	47.3	(D)	(NA)	(NA)
275	Commercial printing -----	E1	251	32	2.8	43.5	2.1	3.9	30.0	78.6	55.0	133.5	3.0	(NA)	(NA)
2752	Commercial printing, lithographic -----	E1	121	24	2.1	35.0	1.6	2.9	23.9	62.9	46.8	109.6	2.4	(NA)	(NA)
279	Printing trade services -----	E1	42	8	0.5	8.5	0.4	0.6	6.3	14.4	2.6	16.9	0.8	(NA)	(NA)
28	Chemicals and allied products -----	E2	43	11	0.8	11.5	0.4	0.8	5.2	35.8	42.0	77.6	2.4	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	E2	26	9	0.6	6.3	0.4	0.7	3.6	19.2	16.0	35.7	(D)	(NA)	(NA)
3079	Miscellaneous plastics products -----	E2	21	9	0.6	5.9	0.4	0.7	3.4	19.2	15.5	34.6	(D)	(NA)	(NA)
34	Fabricated metal products ---	-	95	24	2.7	42.9	1.8	3.5	27.9	68.6	59.9	129.5	1.5	(NA)	(NA)
344	Fabricated structural metal products -----	-	41	10	0.7	10.7	0.4	0.8	6.6	19.5	12.3	31.3	0.4	(NA)	(NA)
35	Machinery, except electrical --	-	78	17	2.1	29.3	1.2	2.3	14.6	72.1	57.4	126.0	4.1	(NA)	(NA)
36	Electric and electronic equipment -----	E3	68	21	1.5	18.3	1.0	2.0	10.2	33.1	24.9	57.5	2.2	(NA)	(NA)
37	Transportation equipment ---	-	26	14	2.9	54.9	2.4	4.9	43.5	87.1	50.6	136.0	1.6	(NA)	(NA)
373	Ship and boat building and repairing -----	-	16	9	2.6	49.8	2.2	4.5	40.4	75.2	39.6	114.8	1.3	(NA)	(NA)
39	Miscellaneous manufacturing industries -----	E2	98	10	0.8	8.3	0.5	0.9	4.6	18.5	13.1	31.0	0.5	(NA)	(NA)
--	Administrative and auxiliary --	-	83	43	9.6	251.5	-	-	-	-	-	-	-	(NA)	(NA)
	San Gabriel -----	-	89	22	2.2	22.2	1.7	3.0	12.6	57.4	44.3	101.9	2.9	2.3	34.2

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
35	San Gabriel—Con.														
	Machinery, except electrical --	E1	14	1	0.5	4.3	0.4	0.6	3.0	6.8	5.6	12.4	0.4	0.6	9.1
	Sanger -----	-	10	5	1.8	15.3	1.6	3.3	12.7	33.0	55.8	87.4	2.0	1.6	19.9
	San Jose -----	-	661	161	38.4	656.5	19.5	38.3	259.2	1 141.9	1 338.6	2 424.3	125.3	30.6	547.2
20 203	Food and kindred products --	-	64	32	6.8	89.9	5.7	11.3	70.3	257.8	412.4	667.9	21.8	7.2	166.9
	Preserved fruits and vegetables -----	-	22	17	4.9	59.2	4.4	9.0	52.1	141.1	276.1	415.7	18.4	(NA)	(NA)
205 2051	Bakery products -----	-	7	4	0.8	14.6	0.4	0.8	7.3	29.5	14.9	44.4	1.0	(NA)	(NA)
	Bread, cake, and related products -----	-	7	4	0.8	14.6	0.4	0.8	7.3	29.5	14.9	44.4	1.0	(NA)	(NA)
23	Apparel and other textile products -----	-	23	4	0.5	3.4	0.4	0.7	2.8	9.6	8.3	17.7	0.1	(NA)	(NA)
26	Paper and allied products ---	-	10	6	0.5	7.7	0.4	0.8	5.9	15.8	35.8	50.5	0.5	(NA)	(NA)
27 275	Printing and publishing -----	-	83	11	2.2	36.1	1.1	2.0	16.5	77.8	30.1	107.8	2.2	2.0	50.4
	Commercial printing -----	E1	52	4	0.5	7.2	0.4	0.6	4.7	12.5	5.1	17.6	(D)	(NA)	(NA)
28	Chemicals and allied products -----	-	21	5	0.6	8.6	0.3	0.6	4.7	39.6	41.9	81.3	2.6	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	-	21	5	0.8	9.7	0.5	1.1	5.5	15.5	15.3	32.4	1.2	0.8	15.1
32	Stone, clay, and glass products -----	E1	42	14	0.8	10.5	0.6	1.1	6.5	20.5	28.9	49.4	2.1	(NA)	(NA)
34	Fabricated metal products ---	-	83	25	1.6	21.6	1.3	2.4	15.4	50.2	58.3	111.8	2.2	1.3	7.2
35	Machinery, except electrical --	-	107	15	11.2	246.1	3.4	6.8	50.7	371.7	452.0	808.4	(D)	8.5	150.7
36	Electric and electronic equipment -----	-	44	12	1.7	23.3	1.0	2.0	11.0	59.0	38.8	94.3	3.6	1.4	20.0
	San Juan Capistrano -----	-	20	6	1.0	10.4	0.7	1.5	6.5	22.7	13.2	34.7	1.2	0.7	11.9
	San Leandro -----	-	264	108	12.7	192.8	9.4	17.7	129.2	509.4	647.3	1 150.8	24.8	12.3	322.8
20	Food and kindred products --	-	26	14	2.0	32.3	1.4	2.8	22.0	177.3	331.3	503.7	6.6	2.0	90.0
25	Furniture and fixtures -----	-	13	5	0.8	10.4	0.6	1.2	7.4	19.0	16.0	34.7	0.3	0.8	14.7
26	Paper and allied products ---	-	9	8	1.3	18.5	1.0	2.0	13.6	41.7	67.1	108.0	(D)	0.9	17.9
33	Primary metal industries -----	-	9	7	0.6	9.8	0.5	1.1	6.4	21.2	24.9	45.0	(D)	(NA)	(NA)
34	Fabricated metal products ---	-	39	16	1.6	28.6	1.3	2.6	20.3	65.9	77.2	144.3	2.6	1.6	31.8
35	Machinery, except electrical --	-	49	12	2.8	47.3	2.2	3.6	32.7	80.5	46.2	127.6	5.0	2.9	77.7
36	Electric and electronic equipment -----	-	14	8	0.8	10.6	0.5	0.9	6.0	20.1	14.8	33.5	2.1	0.8	14.3
	San Luis Obispo -----	-	48	8	0.8	9.1	0.7	1.5	6.1	28.4	18.1	45.4	2.2	(NA)	(NA)
	San Marcos -----	-	81	23	3.1	29.8	2.3	4.1	17.4	86.5	61.1	140.9	4.0	1.2	29.2
	San Mateo -----	-	109	15	1.3	23.5	0.5	0.8	5.9	21.3	13.8	35.1	1.2	1.0	18.1
-	Administrative and auxiliary --	-	10	9	0.5	11.6	-	-	-	-	-	-	-	(NA)	(NA)
	San Rafael -----	-	132	18	1.6	21.2	0.9	1.7	9.5	37.3	28.2	64.7	2.6	1.7	36.7
	Santa Ana -----	-	949	227	26.8	322.7	19.0	38.0	193.2	737.4	624.0	1 341.9	48.4	19.7	388.1
20 203	Food and kindred products --	-	23	13	1.4	18.0	1.0	2.2	11.3	51.0	98.5	152.1	2.1	1.2	29.4
	Preserved fruits and vegetables -----	-	6	4	0.6	7.5	0.5	0.9	4.9	25.3	43.5	68.7	0.6	(NA)	(NA)

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

Includes cities with 450 employees or more and industry groups and industries with less than 450 employees. For explanation of terms, see appendix B)															1972	
SIC code	City and industry	1977												All employees (1,000)	Value added by manufacture (million dollars)	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)			
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)							
	Santa Ana—Con.															
23	Apparel and other textile products -----	E3	34	6	0.5	3.8	0.5	0.9	2.9	6.7	4.4	11.0	0.2	(NA)	(NA)	
24	Lumber and wood products --	-	45	8	0.8	9.9	0.7	1.4	7.5	19.4	25.1	44.1	0.5	(NA)	(NA)	
27	Printing and publishing -----	E1	80	8	1.3	13.4	0.6	1.1	6.3	42.1	21.8	63.8	2.0	0.8	21.6	
30	Rubber and miscellaneous plastics products -----	-	78	29	2.3	22.7	1.8	3.5	14.9	60.5	63.6	124.1	3.2	1.2	21.2	
32	Stone, clay, and glass products -----	-	26	6	0.6	10.6	0.5	1.0	6.2	22.6	19.7	43.2	4.1	0.9	14.9	
34	Fabricated metal products ---	E1	97	21	2.6	35.8	2.1	4.2	25.8	73.1	41.2	110.3	2.5	2.0	39.0	
35	Machinery, except electrical --	E1	200	28	3.4	42.7	2.3	4.3	24.7	112.3	62.4	172.7	7.5	2.5	49.7	
3573	Electronic computing equipment -----	E1	12	4	0.6	8.1	0.3	0.5	3.0	21.2	15.9	37.6	(D)	(NA)	(NA)	
36	Electric and electronic equipment -----	-	101	33	5.9	73.8	4.1	8.2	40.4	136.0	89.3	214.5	18.4	3.5	63.7	
362	Electrical industrial apparatus -----	-	4	4	0.7	9.6	0.4	0.9	4.3	17.6	12.8	29.9	(D)	(NA)	(NA)	
367	Electronic components and accessories -----	-	55	14	3.7	49.2	2.7	5.4	28.9	86.1	48.1	126.9	17.1	(NA)	(NA)	
37	Transportation equipment ---	E1	70	26	2.3	25.5	1.8	3.5	17.4	59.2	55.4	114.4	1.5	2.1	38.9	
372	Aircraft and parts -----	-	12	6	0.6	9.4	0.4	0.8	5.3	26.2	9.1	36.4	0.4	(NA)	(NA)	
373	Ship and boat building and repairing -----	E1	23	11	0.9	8.4	0.8	1.5	6.6	15.5	17.1	31.7	0.4	(NA)	(NA)	
38	Instruments and related products -----	-	34	7	1.1	15.2	0.6	1.3	6.3	38.0	18.3	53.8	2.1	1.0	17.4	
39	Miscellaneous manufacturing industries -----	-	63	13	2.6	29.6	1.9	4.0	18.7	61.0	47.5	106.9	2.3	2.3	39.5	
394	Toys and sporting goods --	-	30	9	2.3	26.6	1.6	3.5	16.7	55.6	44.1	98.1	2.1	(NA)	(NA)	
	Santa Barbara -----	-	195	34	3.3	38.9	2.1	4.1	20.1	81.9	56.8	136.3	4.6	2.0	34.7	
27	Printing and publishing -----	E2	50	4	0.7	7.5	0.3	0.5	3.1	16.3	6.4	22.4	(D)	0.6	7.8	
35	Machinery, except electrical --	-	15	6	1.2	14.4	0.8	1.6	7.7	25.7	17.7	42.0	(D)	(NA)	(NA)	
	Santa Clara -----	-	568	155	34.1	517.7	17.8	35.6	222.2	1 125.8	882.1	1 989.7	115.4	18.8	419.4	
30	Rubber and miscellaneous plastics products -----	E2	18	6	0.7	6.7	0.5	1.0	4.5	16.1	15.4	31.5	1.4	(NA)	(NA)	
32	Stone, clay, and glass products -----	-	8	5	1.2	18.8	0.9	1.9	14.5	79.6	46.9	124.3	(D)	1.2	35.1	
34	Fabricated metal products ---	E1	74	19	1.1	14.0	0.8	1.5	8.0	30.6	38.7	68.8	2.3	0.7	12.8	
35	Machinery, except electrical --	-	169	29	10.3	170.3	4.4	9.3	72.4	344.3	350.4	686.7	33.9	5.2	155.3	
36	Electric and electronic equipment -----	-	107	44	13.6	199.7	7.2	14.3	74.5	472.7	259.8	726.6	59.5	5.4	130.4	
367	Electronic components and accessories -----	-	75	33	12.8	188.1	6.8	13.4	69.2	458.2	245.5	699.5	58.1	(NA)	(NA)	
38	Instruments and related products -----	-	41	16	2.7	42.2	1.8	3.3	21.7	96.1	46.8	141.7	3.8	1.4	30.4	
382	Measuring and controlling devices -----	-	15	9	2.1	34.9	1.4	2.6	18.2	74.6	35.5	107.1	2.8	(NA)	(NA)	
--	Administrative and auxiliary --	-	13	5	1.7	28.7	-	-	-	-	-	-	-	(NA)	(NA)	
	Santa Cruz -----	-	130	20	3.3	36.7	2.7	4.7	25.7	127.9	104.8	231.0	5.1	2.2	59.5	
	Santa Fe Springs -----	-	585	223	17.1	226.0	12.8	25.6	145.3	551.9	987.8	1 518.5	31.6	13.5	270.3	
20	Food and kindred products --	-	12	10	1.4	16.1	1.1	2.1	11.8	67.4	101.4	168.3	1.9	0.9	21.4	
209	Miscellaneous foods and kindred products -----	-	4	4	0.9	10.6	0.7	1.4	8.0	49.4	82.5	131.8	1.4	(NA)	(NA)	

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Santa Fe Springs—Con.														
24	Lumber and wood products --	E2	23	11	0.6	5.3	0.5	1.0	4.0	11.8	13.2	24.8	0.7	0.9	12.3
25	Furniture and fixtures -----	-	26	14	1.0	10.7	0.8	1.7	7.6	19.1	18.8	37.5	0.6	1.1	15.6
251	Household furniture -----	E1	14	8	0.6	5.3	0.5	0.9	4.1	11.0	9.2	20.1	0.2	(NA)	(NA)
27	Printing and publishing -----	E1	39	12	0.6	7.9	0.5	0.8	4.7	15.7	10.8	26.4	0.5	(NA)	(NA)
28	Chemicals and allied products -----	E1	31	12	0.9	12.2	0.5	1.1	6.4	34.1	47.4	80.5	4.1	0.8	16.2
30	Rubber and miscellaneous plastics products -----	E3	29	14	0.7	6.6	0.6	1.0	4.2	15.5	15.6	30.9	3.1	0.7	12.8
3079	Miscellaneous plastics products -----	E3	24	11	0.6	5.7	0.5	0.9	3.6	14.2	14.2	28.4	3.0	(NA)	(NA)
32	Stone, clay, and glass products -----	E1	24	8	0.7	8.8	0.5	1.1	6.3	27.1	25.2	52.3	0.8	1.0	26.5
34	Fabricated metal products ---	-	105	45	4.2	59.1	3.2	6.8	40.3	132.4	91.2	218.3	6.3	2.2	40.7
344	Fabricated structural metal products -----	-	28	15	1.2	18.8	0.9	1.8	10.9	45.1	39.3	82.2	0.8	(NA)	(NA)
3441	Fabricated structural metal -----	-	11	6	0.7	10.4	0.5	1.0	6.3	24.7	21.5	44.2	(D)	(NA)	(NA)
346	Metal forgings and stampings -----	-	14	9	0.9	13.2	0.8	1.6	10.1	29.5	16.2	44.2	0.9	(NA)	(NA)
35	Machinery, except electrical --	E1	152	38	2.3	33.4	1.8	3.5	21.5	67.0	47.8	115.5	5.4	1.4	28.7
359	Miscellaneous machinery, except electrical -----	E1	75	11	0.7	8.8	0.5	1.1	5.8	17.5	7.7	25.0	1.3	(NA)	(NA)
36	Electric and electronic equipment -----	-	29	13	0.9	10.1	0.8	1.6	6.7	23.9	23.9	46.1	1.0	1.0	16.7
	Santa Maria -----	-	72	16	2.9	30.7	2.3	4.2	21.6	70.3	104.5	173.1	3.7	2.3	38.9
20	Food and kindred products --	E1	10	5	0.9	7.6	0.9	1.4	6.8	17.4	28.6	46.1	0.7	1.0	14.7
	Santa Monica -----	-	272	69	6.8	83.0	4.9	9.5	47.1	188.5	140.4	328.7	10.9	11.1	206.4
27	Printing and publishing -----	E2	58	7	0.8	9.5	0.4	0.7	4.3	21.5	8.9	30.4	0.8	0.6	9.1
36	Electric and electronic equipment -----	-	38	18	2.1	25.2	1.7	3.3	15.2	53.8	49.9	103.6	3.4	1.2	18.9
367	Electronic components and accessories -----	E1	16	7	0.9	11.2	0.7	1.1	5.7	17.0	10.5	29.0	1.7	(NA)	(NA)
	Santa Paula -----	-	29	7	0.5	5.0	0.4	0.8	3.6	14.1	15.7	29.7	0.4	0.5	8.7
	Santa Rosa -----	-	137	28	4.2	57.0	2.2	4.3	21.9	140.7	95.0	224.8	7.8	1.7	31.3
34	Fabricated metal products ---	-	13	4	0.7	10.1	0.2	0.3	1.6	25.0	17.0	40.8	0.3	(NA)	(NA)
	Sebastopol -----	-	24	4	0.5	4.6	0.5	0.8	3.3	7.1	17.3	24.4	0.5	0.6	5.1
	Selma -----	-	17	7	0.6	6.0	0.5	0.8	4.2	23.5	22.2	45.7	1.1	(NA)	(NA)
	Signal Hill -----	-	109	22	1.8	24.1	1.2	2.3	12.3	54.9	40.9	98.6	3.2	1.7	32.3
34	Fabricated metal products ---	-	16	4	0.7	9.8	0.4	0.7	4.3	26.9	13.0	40.5	(D)	0.8	14.6
35	Machinery, except electrical --	E2	34	8	0.5	7.0	0.3	0.7	3.7	12.4	9.4	24.5	0.9	(NA)	(NA)
	Simi Valley -----	-	56	8	0.9	15.3	0.6	1.1	7.1	29.6	18.3	48.9	7.3	0.7	13.4
	South El Monte -----	-	545	138	10.7	109.0	8.5	16.0	72.2	227.5	207.6	431.3	9.6	8.5	125.7
23	Apparel and other textile products -----	E4	42	17	1.4	8.9	1.2	2.2	7.0	16.2	9.2	25.1	(D)	0.8	7.4
233	Women's and misses' outerwear -----	E4	32	15	1.3	8.0	1.1	2.0	6.4	14.5	7.3	21.5	(D)	(NA)	(NA)
2339	Women's and misses' outerwear, n.e.c. -----	E2	9	8	0.6	4.2	0.5	1.0	3.2	8.4	4.6	12.7	(D)	(NA)	(NA)
24	Lumber and wood products --	-	28	10	0.6	7.5	0.6	1.1	5.7	13.8	19.4	33.0	0.3	0.5	6.9

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

Includes cities with 450 employees or more and industry groups and industries with less than 450 employees. For explanation of terms, see appendix B]															
SIC code	City and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	South El Monte—Con.														
25	Furniture and fixtures -----	E3	38	14	0.6	5.5	0.5	0.9	3.8	9.6	10.7	20.1	0.5	0.5	6.2
28	Chemicals and allied products -----	E1	17	5	0.7	5.5	0.3	0.5	2.1	22.1	16.0	37.9	0.8	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	-	29	10	0.8	9.1	0.7	1.5	6.2	21.5	12.9	33.8	1.1	0.7	10.5
3079	Miscellaneous plastics products -----	-	24	9	0.7	8.2	0.6	1.3	5.5	19.2	11.2	29.8	1.1	(NA)	(NA)
31	Leather and leather products -----	-	7	4	1.0	6.6	0.9	1.8	5.8	11.7	6.1	17.3	0.3	(NA)	(NA)
34	Fabricated metal products ---	E2	97	18	1.3	14.2	1.0	1.9	9.3	25.1	22.1	47.1	1.1	1.3	20.7
35	Machinery, except electrical --	E2	136	23	1.4	19.3	1.1	2.3	12.7	36.0	27.5	62.9	1.9	1.4	24.0
359	Miscellaneous machinery, except electrical -----	E2	70	9	0.6	7.7	0.4	0.9	5.3	11.4	7.4	18.8	0.8	(NA)	(NA)
37	Transportation equipment ---	E1	33	6	0.8	8.5	0.7	1.3	5.3	16.2	31.9	48.0	0.5	1.0	15.9
	South Gate -----	-	254	90	14.7	221.5	11.8	26.3	168.2	426.6	1 169.3	1 581.7	32.2	14.7	372.8
28	Chemicals and allied products -----	-	13	8	0.7	10.5	0.5	1.0	7.4	32.4	55.2	87.4	2.7	0.8	20.8
32	Stone, clay, and glass products -----	-	9	6	0.5	8.5	0.4	0.9	6.8	17.6	13.3	31.4	1.3	0.7	13.3
33	Primary metal industries -----	-	18	10	0.9	11.5	0.7	1.5	8.2	20.9	20.5	41.2	1.3	1.1	16.5
332	Iron and steel foundries ---	-	4	4	0.5	6.1	0.4	0.8	4.6	12.3	10.4	22.8	1.0	(NA)	(NA)
34	Fabricated metal products ---	-	40	17	3.1	40.2	2.4	7.6	31.5	92.6	68.8	158.0	9.8	3.1	62.3
344	Fabricated structural metal products -----	-	13	5	0.5	6.4	0.4	0.7	4.8	13.3	16.6	30.1	0.5	(NA)	(NA)
35	Machinery, except electrical --	E2	65	12	0.8	9.1	0.6	1.1	5.9	17.2	10.4	27.5	1.1	0.7	14.8
	South Pasadena -----	-	29	8	0.9	10.8	0.6	1.2	5.4	24.0	11.6	35.0	0.5	1.1	14.5
	South San Francisco -----	-	176	74	6.7	103.7	4.4	8.5	61.5	245.8	464.7	713.7	14.9	6.7	162.0
20	Food and kindred products --	-	20	13	1.8	26.5	1.1	2.2	15.4	85.2	262.0	343.2	7.5	1.5	47.7
27	Printing and publishing -----	-	20	7	0.5	7.1	0.3	0.6	4.5	13.5	18.1	32.1	0.7	(NA)	(NA)
28	Chemicals and allied products -----	-	17	8	0.9	14.8	0.6	1.1	9.0	58.7	68.5	126.4	2.3	0.9	36.7
2851	Paints and allied products -----	-	6	4	0.5	9.2	0.4	0.8	5.4	44.8	42.5	86.9	(D)	(NA)	(NA)
34	Fabricated metal products ---	-	27	7	0.6	10.2	0.4	0.8	6.5	22.3	16.1	34.9	1.2	1.0	18.7
35	Machinery, except electrical --	-	22	9	0.6	10.4	0.4	0.8	6.3	18.0	12.2	30.6	0.5	(NA)	(NA)
	Stanton -----	-	67	12	0.8	9.9	0.5	1.0	5.7	19.2	24.7	43.9	1.2	0.7	11.4
	Stockton -----	-	165	59	8.1	105.4	6.3	11.9	79.0	232.9	430.6	658.5	22.1	7.3	134.3
20	Food and kindred products --	-	26	14	3.2	39.6	2.6	4.6	33.7	81.8	263.5	345.3	4.5	3.0	57.8
203	Preserved fruits and vegetables -----	-	7	6	2.3	24.2	1.9	3.3	22.6	48.9	103.6	153.2	3.4	(NA)	(NA)
24	Lumber and wood products --	-	16	6	0.9	9.9	0.8	1.5	7.8	24.1	41.3	63.7	2.0	0.7	10.7
34	Fabricated metal products ---	-	15	6	0.7	9.7	0.5	1.0	7.8	29.9	37.3	68.0	(D)	(NA)	(NA)
	Sunnyvale -----	-	394	161	48.8	870.1	17.7	33.2	207.4	1 792.0	1 101.4	2 875.5	137.7	35.5	800.8
34	Fabricated metal products ---	-	34	9	2.5	43.9	1.3	2.3	15.1	83.5	49.8	130.8	1.9	(NA)	(NA)
35	Machinery, except electrical --	-	88	34	5.8	78.4	2.7	5.7	32.0	256.6	210.4	467.7	40.5	1.8	29.4

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Sunnyvale—Con.														
35	Machinery, except electrical—Con.														
3573	Electronic computing equipment -----	-	30	17	3.7	47.2	1.7	3.6	21.0	199.6	169.9	370.1	36.7	(NA)	(NA)
36	Electric and electronic equipment -----	-	110	57	11.7	178.7	5.8	11.9	62.7	429.5	180.6	607.0	51.6	7.0	126.5
366	Communication equipment -	-	28	21	3.8	60.6	1.6	3.3	20.5	93.5	53.1	149.4	13.9	(NA)	(NA)
3662	Radio and TV communication equipment -----	-	24	18	3.4	56.6	1.5	3.0	19.0	82.7	48.6	134.7	(D)	(NA)	(NA)
367	Electronic components and accessories -----	-	62	27	6.5	101.6	3.5	7.4	36.3	272.4	113.0	379.6	36.8	(NA)	(NA)
38	Instruments and related products -----	E1	53	23	2.1	30.9	1.1	2.0	12.9	81.8	44.1	127.0	5.5	1.2	29.0
382	Measuring and controlling devices -----	-	22	8	0.9	13.7	0.4	0.8	4.7	37.9	16.7	55.1	1.7	(NA)	(NA)
39	Miscellaneous manufacturing industries -----	-	11	3	1.6	17.4	1.3	1.3	6.6	61.0	58.5	112.7	5.2	(NA)	(NA)
-	Administrative and auxiliary --	-	8	5	3.0	59.0	-	-	-	-	-	-	-	(NA)	(NA)
	Susanville -----	-	17	7	0.5	7.8	0.4	0.9	5.9	22.6	30.0	52.6	1.2	(NA)	(NA)
	Thousand Oaks -----	-	87	13	1.2	14.2	0.7	1.3	6.5	27.4	27.2	53.7	2.1	0.9	13.8
	Torrance -----	-	303	113	16.6	246.5	11.0	22.0	141.5	778.2	997.8	1 783.2	40.4	23.4	638.0
27	Printing and publishing -----	-	30	3	0.9	10.1	0.4	0.7	3.9	23.4	15.1	38.4	0.6	(NA)	(NA)
28	Chemicals and allied products -----	-	11	6	1.4	21.8	0.8	1.4	10.0	142.7	213.7	357.0	5.1	1.4	98.0
30	Rubber and miscellaneous plastics products -----	E1	24	8	1.0	11.8	0.8	1.5	6.8	24.1	23.4	47.0	5.2	0.8	12.8
33	Primary metal industries -----	-	12	10	1.8	28.6	1.5	2.6	20.6	35.9	76.8	115.7	4.2	4.5	55.4
336	Nonferrous foundries -----	-	5	5	0.6	7.3	0.5	0.9	4.8	15.3	13.3	28.0	1.0	(NA)	(NA)
34	Fabricated metal products ---	-	30	18	2.2	33.7	1.6	3.4	24.0	79.4	74.6	148.4	4.7	2.6	47.5
344	Fabricated structural metal products -----	-	11	7	0.5	6.6	0.3	0.5	3.2	13.1	11.2	24.5	(D)	(NA)	(NA)
35	Machinery, except electrical --	E1	58	22	2.2	34.9	1.3	2.9	17.6	75.5	45.7	120.2	5.0	2.6	46.6
355	Special industry machinery -	-	7	5	0.5	7.6	0.3	0.6	3.1	17.9	14.1	31.7	(D)	(NA)	(NA)
357	Office and computing machines -----	E3	8	5	0.5	8.0	0.2	0.6	2.8	14.1	10.9	25.2	0.8	(NA)	(NA)
3573	Electronic computing equipment -----	E3	8	5	0.5	8.0	0.2	0.6	2.8	14.1	10.9	25.2	0.8	(NA)	(NA)
36	Electric and electronic equipment -----	-	25	13	3.5	53.2	2.3	4.8	30.5	105.4	48.2	152.1	8.7	2.4	43.9
367	Electronic components and accessories -----	-	12	5	2.2	32.7	1.9	3.9	26.1	60.7	25.9	83.2	(D)	(NA)	(NA)
	Tracy -----	-	19	5	1.1	12.7	0.9	1.7	10.1	55.3	64.1	117.3	3.6	1.5	46.0
	Tulare -----	-	29	13	1.2	12.6	0.7	1.5	7.0	50.5	137.7	188.1	1.7	0.6	10.2
20	Food and kindred products --	-	9	4	0.6	6.3	0.3	0.7	3.3	35.9	122.8	158.8	1.2	(NA)	(NA)
	Turlock -----	-	50	17	2.5	25.1	2.1	4.1	20.2	51.7	122.4	173.6	3.8	2.6	36.6
20	Food and kindred products --	-	12	5	1.6	14.9	1.5	2.6	13.0	32.1	91.8	124.4	2.8	1.8	22.7
	Tustin -----	-	62	18	2.3	30.1	1.3	2.6	15.3	124.2	110.5	231.2	4.1	1.3	34.1
	Ukiah -----	-	34	10	1.1	16.2	0.8	1.8	11.8	32.3	66.5	97.5	(D)	0.9	22.5
24	Lumber and wood products --	-	18	7	0.9	14.3	0.7	1.5	10.6	28.7	61.4	89.0	(D)	0.8	21.2
	Union City -----	-	61	31	2.9	44.2	2.3	4.4	32.3	126.0	208.7	335.9	9.8	3.1	66.8
33	Primary metal industries -----	-	3	3	0.9	14.3	0.7	1.3	11.1	32.3	33.4	66.3	(D)	1.5	22.4
	Upland -----	-	90	17	2.0	20.6	1.5	2.8	12.4	50.5	83.8	131.6	2.1	1.2	24.0

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

Explanation of terms, see appendix B)

SIC code	City and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Vacaville -----	-	22	6	0.9	10.2	0.6	1.1	5.9	13.5	17.1	31.2	1.2	1.0	17.6
	Vallejo -----	-	32	11	0.9	11.0	0.6	1.1	7.4	27.8	59.0	86.8	1.6	0.6	12.7
	Ventura (San Buenaventura) -	-	73	15	1.9	26.5	1.3	2.3	15.2	60.5	57.1	110.6	6.4	1.6	35.4
	Vernon -----	-	389	226	32.3	458.7	24.3	47.7	312.0	1 030.3	1 914.3	2 923.8	59.2	(NA)	(NA)
20	Food and kindred products --	-	64	42	6.4	100.1	4.9	9.8	72.2	230.0	992.9	1 225.6	11.5	(NA)	(NA)
201	Meat products -----	-	34	25	4.5	71.2	3.5	7.0	53.7	147.2	797.5	947.7	7.4	(NA)	(NA)
22	Textile mill products -----	-	12	6	0.7	6.4	0.3	0.7	2.5	11.5	22.7	33.8	(D)	(NA)	(NA)
23	Apparel and other textile products -----	E1	15	7	1.0	8.1	0.7	1.2	4.2	12.1	24.9	38.7	0.6	(NA)	(NA)
25	Furniture and fixtures -----	-	34	20	2.3	21.5	2.0	3.9	15.0	44.8	41.8	86.0	1.7	(NA)	(NA)
251	Household furniture -----	-	24	14	1.8	15.6	1.5	3.0	10.9	34.8	34.6	68.8	1.3	(NA)	(NA)
2512	Upholstered household furniture -----	E2	7	6	0.7	5.6	0.6	1.1	4.1	10.5	10.4	20.8	(D)	(NA)	(NA)
2514	Metal household furniture -----	-	6	4	0.7	6.1	0.6	1.3	4.0	15.9	17.0	32.2	(D)	(NA)	(NA)
26	Paper and allied products ---	E1	17	12	1.7	26.3	1.3	2.6	18.3	53.7	86.5	140.1	2.7	(NA)	(NA)
265	Paperboard containers and boxes -----	E2	7	7	0.9	15.7	0.7	1.4	10.7	26.6	43.9	70.8	1.5	(NA)	(NA)
27	Printing and publishing -----	-	17	11	1.3	21.3	1.1	1.9	17.5	34.4	25.1	58.9	2.4	(NA)	(NA)
275	Commercial printing -----	-	10	6	1.0	17.9	0.9	1.6	15.4	29.1	21.5	50.1	1.9	(NA)	(NA)
28	Chemicals and allied products -----	-	28	12	0.7	9.4	0.4	0.8	4.7	44.2	68.9	112.9	2.5	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	E1	14	10	0.8	8.8	0.7	1.3	6.2	24.3	24.7	48.1	8.2	(NA)	(NA)
32	Stone, clay, and glass products -----	-	20	12	2.5	32.2	2.2	3.6	25.8	68.7	66.6	135.4	6.2	(NA)	(NA)
329	Miscellaneous nonmetallic mineral products -----	-	9	6	0.5	7.3	0.4	0.8	5.3	17.9	35.5	52.5	(D)	(NA)	(NA)
33	Primary metal industries -----	-	28	14	3.3	57.6	2.5	5.2	40.3	98.8	154.0	247.8	5.1	(NA)	(NA)
331	Blast furnace and basic steel products -----	-	4	3	1.6	31.6	1.2	2.3	21.7	54.1	79.5	129.6	(D)	(NA)	(NA)
332	Iron and steel foundries ---	-	6	4	0.5	6.0	0.4	0.9	4.6	7.3	10.7	18.0	0.2	(NA)	(NA)
34	Fabricated metal products ---	-	53	32	4.8	67.5	3.7	7.4	48.9	159.8	179.9	334.1	5.5	(NA)	(NA)
346	Metal forgings and stampings -----	-	7	5	1.2	18.9	0.9	1.8	13.0	41.8	52.6	92.1	2.3	(NA)	(NA)
349	Miscellaneous fabricated metal products -----	-	15	8	0.7	8.1	0.5	1.0	5.5	16.6	18.7	34.9	0.6	(NA)	(NA)
35	Machinery, except electrical --	-	31	16	2.8	49.4	1.8	3.8	28.4	103.0	77.3	171.2	3.1	(NA)	(NA)
353	Construction and related machinery -----	-	5	4	0.7	9.9	0.4	0.7	5.2	26.9	14.9	39.3	(D)	(NA)	(NA)
36	Electric and electronic equipment -----	-	10	7	2.0	22.4	1.4	2.7	13.6	75.1	78.7	155.0	1.6	(NA)	(NA)
--	Administrative and auxiliary --	-	17	7	0.5	7.9	-	-	-	-	-	-	-	(NA)	(NA)
	Visalia -----	-	79	26	3.1	31.7	2.4	4.8	21.8	74.2	167.1	239.2	7.8	2.7	47.3
20	Food and kindred products --	-	7	4	0.5	6.5	0.5	0.9	5.0	12.8	84.3	96.7	(D)	0.5	10.6
	Walnut Creek -----	-	45	6	1.4	16.1	0.3	0.6	3.6	26.6	14.0	39.1	1.1	1.4	20.2
	Watsonville -----	-	67	24	3.2	31.8	2.8	4.9	24.2	105.4	117.0	221.7	4.3	3.5	41.6
20	Food and kindred products --	-	19	11	2.1	19.0	1.8	3.1	15.0	76.3	79.7	155.5	2.2	2.5	27.2
203	Preserved fruits and vegetables -----	-	12	8	1.9	15.8	1.7	2.9	13.3	68.0	48.2	116.2	(D)	(NA)	(NA)

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry	1977											1972		
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
20	Watsonville—Con.														
203	Food and kindred products— Con.														
2037	Preserved fruits and vegetables—Con.														
	Frozen fruits and vegetables -----	-	7	5	1.7	14.5	1.6	2.7	12.3	64.5	43.4	107.9	(D)	(NA)	(NA)
	West Covina -----	-	30	6	1.9	29.3	0.6	1.3	7.3	39.8	62.6	101.9	1.5	0.6	12.4
	West Hollywood -----	-	147	17	1.8	19.9	0.9	1.7	7.7	70.8	58.6	129.6	1.0	1.6	33.7
27	Printing and publishing -----	-	47	3	0.7	6.9	0.1	0.2	1.5	44.3	22.7	68.5	0.2	0.7	22.3
	Westminster -----	-	118	20	2.2	22.7	1.8	3.4	15.8	44.2	47.3	90.4	2.1	2.1	31.0
	Whittier -----	-	138	35	2.9	35.1	2.1	4.0	21.0	73.9	66.2	138.4	4.6	2.1	33.4
34	Fabricated metal products ---	-	13	7	0.5	6.3	0.3	0.7	3.1	15.3	10.3	23.9	0.7	(NA)	(NA)
	Willits -----	-	34	10	1.1	13.7	0.9	1.6	10.7	26.9	40.2	66.8	3.3	(D)	(D)
24	Lumber and wood products --	-	17	7	0.5	7.0	0.5	0.9	6.4	13.6	23.3	37.6	(D)	(NA)	(NA)
	Willowbrook -----	-	108	49	10.0	139.1	7.6	14.1	97.7	346.5	201.3	486.5	11.0	8.3	166.9
25	Furniture and fixtures -----	E1	9	6	0.6	6.2	0.6	1.0	4.1	12.6	13.1	25.6	0.5	0.5	7.9
34	Fabricated metal products ---	-	19	8	1.1	11.9	0.9	1.8	9.1	30.1	19.5	48.9	1.0	1.1	20.0
35	Machinery, except electrical --	-	24	5	0.6	9.0	0.5	1.0	5.6	20.0	14.2	33.8	0.8	(NA)	(NA)
	Woodland -----	-	68	28	3.3	40.2	2.7	5.3	28.1	141.1	189.4	322.6	8.8	2.3	57.4
20	Food and kindred products --	-	9	4	0.9	11.5	0.8	1.6	8.3	60.5	86.1	139.7	2.4	0.8	28.0
	Yuba City -----	-	45	14	1.8	17.6	1.7	3.0	15.1	78.2	78.3	151.9	7.4	(D)	(D)
20	Food and kindred products --	-	10	4	1.3	12.3	1.3	2.4	11.5	66.8	61.9	124.2	(D)	(NA)	(NA)

Note: "City" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977

(Major groups descriptions are: 20---food and kindred products; 21---tobacco manufactures; 22---textile mill products; 23---apparel and other textile products; 24---lumber and wood products; 25---furniture and fixtures; 26---paper and allied products; 27---printing and publishing; 28---chemicals and allied products; 29---petroleum and coal products; 30---rubber and miscellaneous plastics products; 31---leather and leather products; 32---stone, clay, and glass products; 33---primary metal industries; 34---fabricated metal products; 35---machinery, except electrical; 36---electric and electronic equipment; 37---transportation equipment; 38---instruments and related products; 39---miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
CALIFORNIA	45289	2604	6	419	4288	2731	1752	580	5905	1463	225	1762	302	1750	794	4366	6711	3047	1906	1458	2262	958
1 TO 4 EMPLOYEES	19140	820	4	139	1628	1228	669	120	3525	542	76	615	135	671	191	1561	3280	1074	793	587	1268	214
5 TO 9 EMPLOYEES	6888	288	2	53	688	434	242	59	808	203	45	271	34	272	113	662	1162	434	250	223	299	146
10 TO 19 EMPLOYEES	6578	373	6	67	717	372	271	80	672	232	26	231	38	294	132	747	991	408	237	218	303	169
20 TO 49 EMPLOYEES	6609	456	7	75	760	363	313	116	557	257	34	317	45	297	143	794	758	464	256	189	237	178
50 TO 99 EMPLOYEES	2996	266	4	46	294	166	129	78	184	120	14	193	19	108	103	315	235	268	162	109	88	99
100 TO 249 EMPLOYEES	2141	227	2	27	162	131	99	102	108	75	16	96	23	72	85	211	170	224	96	75	50	92
250 TO 499 EMPLOYEES	703	120	4	9	34	32	24	21	32	21	4	29	6	22	17	54	69	91	47	34	11	26
500 TO 999 EMPLOYEES	279	44	4	3	4	4	5	4	14	9	6	5	2	12	6	15	30	49	26	15	4	22
1000 TO 2499 EMPLOYEES	114	9	1	1	1	1	1	1	1	4	4	5	1	2	3	7	14	23	17	7	1	12
2500 EMPLOYEES AND OVER	41	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	12	22	1	1	1
ALAMEDA COUNTY	2057	167	16	16	99	57	61	48	276	120	12	74	8	88	64	273	314	89	80	67	74	70
1 TO 4 EMPLOYEES	1384	74	13	13	77	43	41	12	240	74	11	49	6	57	30	162	242	57	53	47	65	31
5 TO 9 EMPLOYEES	489	59	3	3	18	13	15	23	29	33	1	19	2	26	18	90	53	19	18	19	9	22
10 TO 19 EMPLOYEES	121	18	1	1	3	1	3	11	5	8	1	6	1	2	15	15	11	9	4	1	1	10
20 TO 49 EMPLOYEES	63	16	1	1	1	1	1	2	2	5	1	1	1	3	1	6	8	4	5	1	1	7
250 EMPLOYEES AND OVER	42	1	1	1	1	1	1	1	6	1	1	1	1	8	1	2	6	1	1	1	1	1
AMADOR COUNTY	36	1	1	1	1	1	1	1	6	1	1	1	1	5	1	2	6	1	1	1	1	1
1 TO 4 EMPLOYEES	5	1	1	1	1	1	1	1	1	1	1	1	1	3	1	2	6	1	1	1	1	1
20 TO 99 EMPLOYEES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
250 EMPLOYEES AND OVER	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BUTTE COUNTY	174	23	2	2	7	39	3	3	25	2	2	7	1	13	2	9	22	1	4	4	9	3
1 TO 4 EMPLOYEES	134	13	2	2	7	25	3	3	22	2	2	5	1	11	2	7	16	1	4	4	8	3
5 TO 9 EMPLOYEES	28	1	1	1	4	4	1	1	2	1	1	2	1	2	1	1	2	1	1	1	1	1
10 TO 19 EMPLOYEES	9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20 TO 49 EMPLOYEES	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
250 EMPLOYEES AND OVER	33	1	1	1	1	1	1	1	7	1	1	1	1	5	1	2	3	1	1	1	1	1
CALAVERAS COUNTY	29	1	1	1	1	1	1	1	7	1	1	1	1	3	1	2	3	1	1	1	1	1
1 TO 4 EMPLOYEES	3	1	1	1	1	1	1	1	7	1	1	1	1	3	1	2	3	1	1	1	1	1
5 TO 9 EMPLOYEES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10 TO 19 EMPLOYEES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20 TO 99 EMPLOYEES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
100 TO 249 EMPLOYEES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
250 EMPLOYEES AND OVER	20	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
COLUSA COUNTY	18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1 TO 4 EMPLOYEES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5 TO 9 EMPLOYEES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10 TO 19 EMPLOYEES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20 TO 99 EMPLOYEES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
100 TO 249 EMPLOYEES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
250 EMPLOYEES AND OVER	20	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
CONTRA COSTA COUNTY	625	34	2	2	16	31	16	15	95	51	22	20	2	34	5	69	59	36	16	44	38	20
1 TO 4 EMPLOYEES	464	24	2	2	14	30	11	5	83	24	12	18	2	23	1	50	51	25	5	35	36	9
5 TO 9 EMPLOYEES	106	5	1	1	2	1	5	2	8	5	3	2	1	9	2	13	7	8	5	6	1	6
10 TO 19 EMPLOYEES	35	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	2
20 TO 49 EMPLOYEES	20	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	3
250 EMPLOYEES AND OVER	20	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	3
DEL NORTE COUNTY	39	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1 TO 4 EMPLOYEES	26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5 TO 9 EMPLOYEES	6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10 TO 19 EMPLOYEES	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20 TO 99 EMPLOYEES	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
100 TO 249 EMPLOYEES	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
250 EMPLOYEES AND OVER	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
EL DORADO COUNTY	97	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1 TO 4 EMPLOYEES	83	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5 TO 9 EMPLOYEES	11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10 TO 19 EMPLOYEES	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20 TO 99 EMPLOYEES	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
100 TO 249 EMPLOYEES	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
250 EMPLOYEES AND OVER	3	1	1	1	1	1	1	1	1													

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class	All es- tablish- ments	Establishments in major industry groups																		39	40	41
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37			
IMPERIAL COUNTY. 1 TO 19 EMPLOYEES.	63	17	-	1	7	-	-	1	8	4	-	-	1	6	1	3	7	-	1	-	4	2
10 TO 99 EMPLOYEES.	44	10	-	3	3	-	-	1	7	3	-	-	-	3	1	3	6	-	1	-	4	2
100 TO 249 EMPLOYEES.	15	6	1	4	-	-	-	-	-	-	-	-	1	2	-	-	1	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	1	-	-	-	-	-	-	1	1	-	-	-	1	-	-	-	-	-	-	-	-
INYO COUNTY. 1 TO 19 EMPLOYEES.	19	3	-	1	1	-	-	-	3	-	1	-	1	5	-	-	4	-	-	-	-	-
10 TO 99 EMPLOYEES.	16	1	-	1	1	-	-	-	3	-	1	-	1	5	-	-	3	-	-	-	-	-
100 TO 249 EMPLOYEES.	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	
KERN COUNTY. 1 TO 19 EMPLOYEES.	334	34	-	14	21	12	1	36	20	13	15	-	-	32	7	24	61	11	8	5	10	9
10 TO 99 EMPLOYEES.	256	23	-	9	17	11	1	32	15	3	9	-	-	23	4	21	50	10	5	5	10	7
100 TO 249 EMPLOYEES.	61	8	-	5	3	1	-	3	4	5	4	-	-	8	1	3	11	1	2	-	-	-
250 EMPLOYEES AND OVER.	15	3	-	-	1	-	-	-	1	4	2	-	-	1	2	-	-	-	1	-	-	-
150 EMPLOYEES AND OVER.	2	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
KINGS COUNTY. 1 TO 19 EMPLOYEES.	59	16	-	2	1	-	-	9	6	1	2	-	-	7	-	1	7	-	1	-	3	1
10 TO 99 EMPLOYEES.	34	6	-	1	1	-	-	7	4	-	1	-	-	5	-	1	5	-	-	-	3	1
100 TO 249 EMPLOYEES.	16	7	-	1	1	-	-	1	2	-	-	-	-	2	-	1	1	-	-	-	3	1
250 EMPLOYEES AND OVER.	3	3	-	1	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
LAKE COUNTY. 1 TO 19 EMPLOYEES.	31	2	-	-	7	1	-	5	-	-	1	-	-	5	-	2	3	1	2	-	1	1
10 TO 99 EMPLOYEES.	30	2	-	-	6	1	-	5	-	-	1	-	-	5	-	2	3	1	2	-	1	1
100 TO 249 EMPLOYEES.	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LASSEN COUNTY. 1 TO 19 EMPLOYEES.	27	1	-	-	17	-	-	2	-	-	1	1	1	2	-	1	1	-	-	-	1	1
10 TO 99 EMPLOYEES.	17	1	-	-	8	-	-	1	-	-	1	1	1	2	-	1	1	-	-	-	1	1
100 TO 249 EMPLOYEES.	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOS ANGELES COUNTY. 1 TO 19 EMPLOYEES.	2119	754	5	272	3073	620	1021	293	2477	725	89	860	190	579	444	2240	3216	1362	866	538	1086	409
10 TO 99 EMPLOYEES.	403	403	5	161	2090	462	613	140	2088	467	48	512	113	390	236	1447	2582	832	553	384	858	212
100 TO 249 EMPLOYEES.	5030	237	-	88	830	129	319	96	348	206	24	274	51	141	149	628	514	351	216	102	187	140
250 EMPLOYEES AND OVER.	1043	72	-	16	124	22	69	53	41	37	9	55	21	33	42	117	79	113	40	32	33	35
150 EMPLOYEES AND OVER.	470	42	-	7	29	7	20	4	20	15	8	19	5	15	17	48	41	66	57	20	8	22
MADERA COUNTY. 1 TO 19 EMPLOYEES.	76	18	-	-	1	19	2	1	8	-	-	3	-	11	-	1	7	1	3	1	-	-
10 TO 99 EMPLOYEES.	56	12	-	-	1	15	2	-	7	-	-	1	-	9	-	1	5	1	2	1	-	-
100 TO 249 EMPLOYEES.	12	3	-	-	2	2	-	1	1	-	-	2	-	1	-	1	1	-	-	-	-	-
250 EMPLOYEES AND OVER.	2	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	1	-	-	-
MARIN COUNTY. 1 TO 19 EMPLOYEES.	320	12	-	2	17	17	10	2	86	6	1	17	3	22	-	20	20	22	16	11	31	5
10 TO 99 EMPLOYEES.	289	11	-	2	17	17	9	1	84	6	1	11	3	3	19	17	18	17	15	9	30	2
100 TO 249 EMPLOYEES.	24	1	-	-	-	-	1	1	1	-	-	6	-	3	-	3	1	2	1	2	1	1
250 EMPLOYEES AND OVER.	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	2
MARIPOSA COUNTY. 1 TO 19 EMPLOYEES.	9	-	-	-	-	3	-	-	1	-	-	-	-	-	-	1	3	-	-	1	-	-
10 TO 99 EMPLOYEES.	9	-	-	-	-	3	-	-	1	-	-	-	-	-	-	1	3	-	-	1	-	-
MENDOCINO COUNTY. 1 TO 19 EMPLOYEES.	179	12	-	1	-	109	2	-	17	2	-	-	-	6	1	4	12	1	3	3	3	3
10 TO 99 EMPLOYEES.	132	7	-	-	-	75	1	-	17	2	-	-	-	6	1	2	8	1	3	3	3	3
100 TO 249 EMPLOYEES.	40	5	-	1	-	29	-	-	-	-	-	-	-	-	-	2	3	-	-	-	-	-
250 EMPLOYEES AND OVER.	5	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
150 EMPLOYEES AND OVER.	2	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
MERCED COUNTY. 1 TO 19 EMPLOYEES.	105	29	-	3	1	6	2	1	13	1	3	4	-	7	1	8	14	-	9	1	1	1
10 TO 99 EMPLOYEES.	62	12	-	-	-	1	2	-	11	1	3	2	-	5	-	4	13	-	5	1	1	1
100 TO 249 EMPLOYEES.	29	9	-	1	-	5	-	-	2	-	-	2	-	2	1	3	1	-	2	-	-	-
250 EMPLOYEES AND OVER.	11	5	-	2	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
150 EMPLOYEES AND OVER.	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MODOC COUNTY. 1 TO 19 EMPLOYEES.	21	-	-	-	-	16	-	-	2	-	-	-	-	2	-	-	-	-	-	-	-	-
10 TO 99 EMPLOYEES.	19	-	-	-	-	14	-	-	2	-	-	-	-	2	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONO COUNTY. 1 TO 19 EMPLOYEES.	7	-	-	-	1	1	-	-	1	-	-	-	-	-	-	-	4	-	-	-	-	-
10 TO 99 EMPLOYEES.	7	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	4	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 — Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
MONTEREY COUNTY.	234	42	-	1	14	12	7	3	45	6	-	10	1	19	4	10	25	7	4	7	14	3
1 TO 19 EMPLOYEES.	177	22	-	1	12	10	7	1	40	4	-	3	1	11	3	9	19	6	4	6	12	3
20 TO 99 EMPLOYEES.	37	10	-	-	2	2	-	-	3	2	-	-	-	5	-	1	5	-	-	1	2	-
100 TO 249 EMPLOYEES.	14	5	-	-	-	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	6	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAPA COUNTY.	121	44	-	5	5	5	4	1	16	1	-	2	4	10	1	6	8	4	1	2	5	2
1 TO 19 EMPLOYEES.	86	34	-	1	3	3	3	3	14	-	-	2	1	5	-	6	7	2	1	1	5	1
20 TO 99 EMPLOYEES.	27	7	-	2	2	1	1	1	2	1	-	-	2	4	-	-	1	2	-	1	-	-
100 TO 249 EMPLOYEES.	6	3	-	2	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEVADA COUNTY.	86	1	-	1	-	38	1	1	9	-	2	2	-	4	2	4	9	4	-	1	7	-
1 TO 19 EMPLOYEES.	72	1	-	1	-	28	1	1	8	-	2	2	-	4	2	3	8	3	-	1	7	-
20 TO 99 EMPLOYEES.	10	-	-	-	-	7	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	3	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
ORANGE COUNTY.	4703	126	1	44	181	179	154	61	549	135	15	295	14	160	69	496	904	465	304	215	269	67
1 TO 19 EMPLOYEES.	3478	71	1	23	151	133	110	27	469	88	15	184	12	123	44	361	745	315	211	140	221	34
20 TO 99 EMPLOYEES.	882	32	-	15	41	41	30	24	64	36	-	84	2	31	20	99	113	96	62	49	38	21
100 TO 249 EMPLOYEES.	211	16	-	5	4	4	9	5	9	8	-	16	-	5	5	24	25	28	20	14	5	8
250 EMPLOYEES AND OVER.	132	7	-	1	5	1	5	5	7	3	-	11	-	1	-	12	21	26	11	12	5	4
PLACER COUNTY.	112	3	-	-	4	36	4	-	17	-	-	4	-	10	2	5	9	4	5	2	7	-
1 TO 19 EMPLOYEES.	90	-	-	-	4	25	4	-	14	-	-	2	-	7	1	4	9	4	4	2	7	-
20 TO 99 EMPLOYEES.	14	-	-	-	8	-	-	-	3	-	-	1	-	1	-	-	-	-	1	-	-	-
100 TO 249 EMPLOYEES.	6	-	-	-	2	-	-	-	-	-	-	1	-	2	1	1	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PLUMAS COUNTY.	37	-	-	-	1	32	-	-	2	-	-	-	-	1	-	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES.	28	-	-	-	1	23	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-
20 TO 99 EMPLOYEES.	7	-	-	-	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RIVERSIDE COUNTY.	704	45	-	1	43	62	23	5	100	13	2	30	1	63	16	68	87	23	61	19	29	13
1 TO 19 EMPLOYEES.	513	30	-	1	34	38	19	2	84	9	2	19	-	42	7	51	76	15	33	14	27	10
20 TO 99 EMPLOYEES.	127	10	-	-	9	9	3	1	12	3	-	8	-	14	5	14	7	3	21	4	2	2
100 TO 249 EMPLOYEES.	46	3	-	-	-	14	1	1	3	1	-	2	1	5	2	3	2	2	5	1	-	1
250 EMPLOYEES AND OVER.	18	2	-	-	-	1	-	-	1	-	-	1	-	2	2	-	2	3	2	-	-	-
SACRAMENTO COUNTY.	614	59	-	1	41	79	31	7	117	13	3	14	3	33	3	55	48	20	33	13	35	6
1 TO 19 EMPLOYEES.	478	35	-	1	36	53	25	2	105	11	3	12	3	21	2	36	43	15	26	10	34	5
20 TO 99 EMPLOYEES.	102	13	-	-	5	21	5	3	9	9	-	2	-	12	1	15	4	4	5	2	1	-
100 TO 249 EMPLOYEES.	19	7	-	-	-	5	1	1	1	1	-	-	-	-	-	-	1	1	2	-	-	-
250 EMPLOYEES AND OVER.	15	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-
SAN BENITO COUNTY.	37	8	-	-	1	-	-	-	2	4	1	-	-	2	-	4	7	3	4	-	-	1
1 TO 19 EMPLOYEES.	24	5	-	-	-	-	-	-	1	2	-	-	-	2	-	3	3	3	3	-	-	-
20 TO 99 EMPLOYEES.	8	1	-	-	-	-	-	-	1	1	-	-	-	-	-	1	4	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	4	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-
SAN BERNARDINO COUNTY.	977	79	-	5	51	74	27	11	94	40	9	59	4	69	31	107	154	34	59	26	32	12
1 TO 19 EMPLOYEES.	707	59	-	2	33	54	21	6	81	30	8	39	3	35	16	68	128	26	39	19	29	11
20 TO 99 EMPLOYEES.	204	15	-	1	15	13	3	3	10	9	1	18	1	24	10	34	22	5	11	6	2	1
100 TO 249 EMPLOYEES.	43	5	-	-	1	7	2	2	2	1	-	2	-	5	3	2	4	1	5	1	1	-
250 EMPLOYEES AND OVER.	23	1	-	2	2	-	1	-	1	-	-	-	-	5	2	2	-	2	4	1	-	-
SAN DIEGO COUNTY.	2013	92	-	12	127	106	76	12	347	38	8	74	12	94	24	160	246	186	118	99	157	25
1 TO 19 EMPLOYEES.	1549	57	-	9	97	94	63	5	302	25	7	62	11	72	18	125	200	117	79	66	126	14
20 TO 99 EMPLOYEES.	349	25	-	2	26	11	10	6	38	10	1	11	1	18	3	30	35	41	23	24	27	7
100 TO 249 EMPLOYEES.	67	5	-	1	3	1	3	1	4	1	-	-	-	4	2	4	7	14	7	5	3	4
250 EMPLOYEES AND OVER.	48	5	-	-	1	-	-	-	3	2	-	-	-	-	1	1	-	14	9	4	1	-
SAN FRANCISCO COUNTY.	1707	153	-	14	365	43	56	19	453	43	-	26	17	32	13	95	78	68	26	25	98	83
1 TO 19 EMPLOYEES.	1302	112	-	12	266	36	38	14	379	32	-	17	15	27	12	71	61	47	12	23	88	40
20 TO 99 EMPLOYEES.	323	31	-	2	81	7	17	5	64	10	-	7	1	5	1	20	12	18	9	-	10	23
100 TO 249 EMPLOYEES.	58	7	-	-	15	1	1	-	7	1	-	2	1	-	-	2	3	3	3	2	-	11
250 EMPLOYEES AND OVER.	24	3	-	-	3	-	-	-	3	-	-	-	-	-	-	-	2	-	-	-	-	9

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 — Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
SAN JOAQUIN COUNTY	414	83	-	2	10	41	18	5	43	15	5	11	-	22	13	33	52	16	15	6	17
1 TO 19 EMPLOYEES	275	41	-	2	8	27	13	1	38	11	5	6	-	14	9	18	37	9	11	5	14
20 TO 99 EMPLOYEES	92	22	-	-	1	11	4	1	4	3	-	4	-	4	4	9	13	5	4	1	2
100 TO 249 EMPLOYEES	22	5	-	-	1	1	1	1	1	-	-	-	-	1	-	6	2	2	-	-	1
250 EMPLOYEES AND OVER	25	15	-	-	-	3	-	2	-	1	-	1	-	3	-	-	-	-	-	-	-
SAN LUIS OBISPO COUNTY	160	21	-	1	-	13	4	-	31	-	3	3	3	15	1	14	18	12	9	3	8
1 TO 19 EMPLOYEES	133	18	-	1	-	11	3	-	25	-	2	2	3	14	-	12	18	6	8	3	6
20 TO 99 EMPLOYEES	24	3	-	-	-	2	1	-	5	-	1	1	-	1	1	2	-	4	1	-	2
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
SAN MATEO COUNTY	1071	61	-	6	30	39	34	20	161	52	6	32	6	35	16	107	209	83	33	40	47
1 TO 19 EMPLOYEES	803	37	-	5	26	32	29	11	122	36	4	20	5	27	9	79	186	54	29	29	33
20 TO 99 EMPLOYEES	198	16	-	1	3	7	4	4	29	11	2	11	1	7	4	23	19	16	4	8	13
100 TO 249 EMPLOYEES	53	3	-	-	1	-	1	5	9	5	-	-	-	1	2	4	4	4	-	3	1
250 EMPLOYEES AND OVER	17	5	-	-	-	-	-	-	1	-	-	1	-	-	1	1	-	9	-	-	1
SANTA BARBARA COUNTY	444	28	-	-	21	24	13	2	83	8	4	13	12	17	2	27	58	42	24	28	30
1 TO 19 EMPLOYEES	345	17	-	-	18	24	11	2	74	7	2	9	11	14	1	23	45	23	16	17	27
20 TO 99 EMPLOYEES	68	7	-	-	3	-	2	-	7	-	2	3	1	3	-	4	9	12	4	7	2
100 TO 249 EMPLOYEES	13	2	-	-	-	-	-	-	1	1	-	1	-	-	1	-	1	4	1	1	-
250 EMPLOYEES AND OVER	18	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-	3	3	3	3	1
SANTA CLARA COUNTY	2671	136	-	8	43	91	50	27	324	73	5	78	5	83	34	265	592	437	51	215	91
1 TO 19 EMPLOYEES	1909	75	-	7	36	78	40	9	274	53	5	55	5	53	21	194	470	247	41	137	75
20 TO 99 EMPLOYEES	524	33	-	1	6	12	10	9	42	16	-	19	-	26	11	63	76	121	4	52	11
100 TO 249 EMPLOYEES	121	12	-	-	1	1	-	9	4	2	-	2	-	2	2	7	21	32	1	14	4
250 EMPLOYEES AND OVER	117	16	-	-	-	-	-	-	4	2	-	2	-	2	-	1	25	37	5	12	1
SANTA CRUZ COUNTY	291	35	-	1	9	33	10	-	47	3	1	13	6	15	2	21	32	27	8	5	21
1 TO 19 EMPLOYEES	231	13	-	1	7	26	10	-	42	3	1	19	5	11	1	19	31	19	8	4	19
20 TO 99 EMPLOYEES	43	12	-	-	2	5	-	-	5	-	-	4	-	3	-	2	1	6	-	1	2
100 TO 249 EMPLOYEES	9	5	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-
250 EMPLOYEES AND OVER	8	5	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
SHASTA COUNTY	212	11	-	-	4	124	6	2	11	1	1	3	-	9	1	8	9	2	9	4	6
1 TO 19 EMPLOYEES	173	9	-	-	4	98	6	1	10	1	-	2	-	6	1	6	8	1	9	4	6
20 TO 99 EMPLOYEES	30	2	-	-	18	-	-	-	1	-	-	1	-	3	-	2	1	1	-	-	-
100 TO 249 EMPLOYEES	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	4	-	-	-	-	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
SIERRA COUNTY	12	1	-	-	-	10	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	10	1	-	-	-	8	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SISKIYOU COUNTY	97	8	-	-	1	60	3	-	10	-	-	1	-	8	-	2	2	-	-	1	1
1 TO 19 EMPLOYEES	69	7	-	-	1	34	3	-	10	-	-	1	-	7	-	2	2	-	-	1	1
20 TO 99 EMPLOYEES	23	1	-	-	21	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	4	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOLANO COUNTY	154	21	-	1	3	11	5	2	26	5	1	2	1	15	-	19	15	4	11	2	3
1 TO 19 EMPLOYEES	110	9	-	1	3	7	4	1	19	5	-	2	1	12	-	12	13	3	8	2	3
20 TO 99 EMPLOYEES	27	6	-	-	-	2	1	1	5	-	-	-	-	1	2	5	1	1	1	-	-
100 TO 249 EMPLOYEES	12	3	-	-	-	-	-	-	2	-	-	-	-	1	-	2	1	-	-	-	-
250 EMPLOYEES AND OVER	5	3	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
SONOMA COUNTY	458	78	-	3	12	75	18	1	53	4	2	15	3	34	4	30	56	10	13	17	24
1 TO 19 EMPLOYEES	354	53	-	2	11	56	16	1	47	4	1	11	2	30	3	23	45	5	10	10	20
20 TO 99 EMPLOYEES	82	18	-	1	1	15	-	-	5	-	1	3	-	4	1	6	9	4	3	5	4
100 TO 249 EMPLOYEES	17	6	-	-	1	4	2	-	1	-	-	1	-	-	-	-	2	1	-	-	-
250 EMPLOYEES AND OVER	5	1	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	2	-
STANISLAUS COUNTY	303	76	-	1	6	26	12	9	34	7	1	5	1	16	2	33	44	2	7	1	9
1 TO 19 EMPLOYEES	198	36	-	1	6	20	10	1	29	6	-	3	1	11	1	18	35	2	4	-	8
20 TO 99 EMPLOYEES	66	17	-	-	-	5	1	5	3	1	-	2	-	4	1	9	9	-	3	1	1
100 TO 249 EMPLOYEES	17	8	-	-	-	-	1	1	1	1	-	-	-	-	1	5	-	-	-	-	-
250 EMPLOYEES AND OVER	22	15	-	-	-	1	2	-	1	-	-	-	-	1	-	1	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				CAO's
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	
SUTTER COUNTY	68	14	-	-	1	14	1	-	2	-	-	3	-	4	-	4	16	1	4	1	1	2
1 TO 19 EMPLOYEES	51	10	-	-	1	9	1	-	1	-	-	3	-	3	-	2	13	1	3	1	1	2
20 TO 99 EMPLOYEES	13	1	-	-	-	4	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEHAMA COUNTY	62	8	-	1	-	31	2	1	4	-	-	2	-	5	-	1	2	-	-	-	1	4
1 TO 19 EMPLOYEES	43	5	-	1	-	19	2	-	3	-	-	2	-	5	-	1	2	-	-	-	1	2
20 TO 99 EMPLOYEES	13	3	-	-	-	7	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2
100 TO 249 EMPLOYEES	4	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRINITY COUNTY	34	-	-	-	-	29	-	-	2	-	-	-	-	1	-	1	-	-	-	-	1	-
1 TO 19 EMPLOYEES	25	-	-	-	-	20	-	-	2	-	-	-	-	1	-	1	-	-	-	-	1	-
20 TO 99 EMPLOYEES	8	-	-	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TULARE COUNTY	267	36	-	2	7	36	5	3	27	9	2	9	-	30	4	20	38	10	10	2	9	8
1 TO 19 EMPLOYEES	173	19	-	-	5	22	4	1	18	8	2	5	-	24	2	12	27	4	6	2	8	2
20 TO 99 EMPLOYEES	63	12	-	1	1	9	1	1	4	1	-	4	-	6	2	5	11	2	2	-	1	-
100 TO 249 EMPLOYEES	23	2	-	1	1	4	-	-	3	-	-	-	-	-	-	3	-	3	2	-	-	-
250 EMPLOYEES AND OVER	8	3	-	-	1	1	-	-	2	-	-	-	-	-	-	-	-	1	-	-	-	-
TUOLUMNE COUNTY	42	5	-	-	1	21	2	-	3	-	-	4	1	1	-	2	1	-	-	1	-	-
1 TO 19 EMPLOYEES	31	5	-	-	1	13	1	-	2	-	-	4	1	1	-	-	-	-	-	1	-	-
20 TO 99 EMPLOYEES	10	-	-	-	-	7	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VENTURA COUNTY	529	25	-	5	40	12	14	15	83	13	4	22	1	32	11	32	81	42	26	32	28	11
1 TO 19 EMPLOYEES	390	12	-	4	27	9	11	8	72	9	3	12	1	23	4	25	67	30	18	25	24	6
20 TO 99 EMPLOYEES	97	9	-	1	10	2	2	3	8	4	1	5	-	8	5	6	12	8	1	6	3	3
100 TO 249 EMPLOYEES	25	3	-	-	3	1	1	3	3	-	-	4	-	1	2	1	2	1	1	1	1	1
250 EMPLOYEES AND OVER	17	1	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	3	6	1	-	-
YOLO COUNTY	150	17	-	-	6	19	2	2	13	6	1	4	-	7	1	13	25	3	15	3	7	6
1 TO 19 EMPLOYEES	98	5	-	-	4	6	2	1	11	4	-	1	-	5	1	9	21	2	10	3	7	-
20 TO 99 EMPLOYEES	37	5	-	-	1	8	-	-	2	2	1	3	-	2	-	4	4	-	5	-	-	-
100 TO 249 EMPLOYEES	9	3	-	-	1	4	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
250 EMPLOYEES AND OVER	6	4	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
YUBA COUNTY	43	4	-	-	1	20	-	-	6	-	1	1	-	-	-	1	6	-	-	-	3	-
1 TO 19 EMPLOYEES	29	1	-	-	1	11	-	-	5	-	1	1	-	-	-	1	6	-	-	-	3	-
20 TO 99 EMPLOYEES	10	3	-	-	1	5	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	4	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: Data on number of establishments by employment size class by 4-digit SIC industry for States, counties, and selected cities are presented in Location of Manufacturing Plants data series. This series is available only on computer tape (see Introduction).

- Represents zero.

¹Only those counties and size classes that include data for manufacturing establishments are shown.

Colorado

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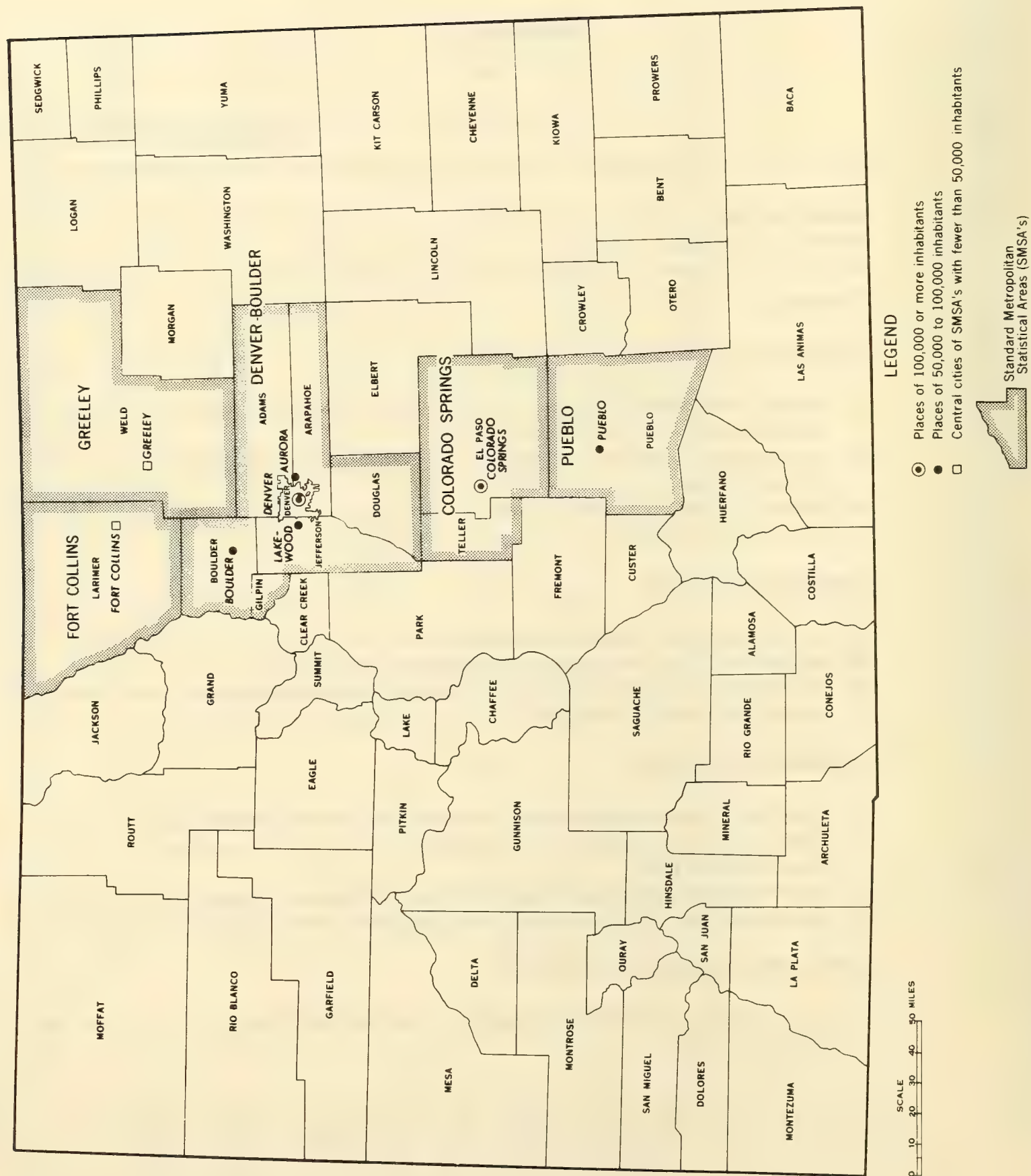
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COLORADO



SUMMARY OF FINDINGS

In 1977, 152.5 thousand persons were employed in Colorado's manufacturing establishments. This figure represented an increase of 15 percent from the 1972 figure of 132.6 thousand workers.

The total value added by manufacture for the State amounted to \$4,472 million in 1977, an increase of approximately 79 percent from the 1972 figure of \$2,504 million. All dollar figures in this report are in current dollars and are, therefore, not adjusted for changes in price levels.

In the State, the most important industry groups ranked by employment were food and kindred products; instruments and related products; machinery, except electrical; and fabricated metal products. They accounted for approximately 44 percent of the State's 1977 employment. The order has shifted from 1972 when industry groups food and kindred products; machinery, except electrical; fabricated metal products; and printing and publishing accounted for approximately 44 percent of the State's employment.

The most important counties in the State ranked by employment were Denver, Jefferson, Boulder, and Adams. They accounted for approximately 61 percent of the State's 1977 manufacturing employment. In 1972, these same counties accounted for approximately 65 percent of the State's employment.

The methods of data collection and use of administrative records data are discussed in detail in the Introduction. Small single-unit companies with up to 20 employees (the cutoff varied by industry) were excluded from the mail portion of the census. For these establishments (and a small number of larger establishments whose reports were not received in time to be tabulated), statistics on payrolls and receipts were obtained from administrative records of other government agencies. Other statistics were developed from industry averages. For this State, these establishments accounted for 5 percent of the total value of shipments.

Table 1. Historical Employment Statistics for Operating Manufacturing Establishments and Central Administrative Offices: 1977 and Earlier Years

(For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

State, standard metropolitan statistical area, and year	All establishments		Operating manufacturing establishments		Central administrative offices and auxiliaries ¹	
	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)
Colorado:						
1977.....	152.5	2,124.8	143.7	1,958.7	8.8	166.1
1972.....	132.6	1,297.8	125.2	1,206.0	7.4	91.8
1967.....	104.0	730.5	101.0	702.8	3.0	27.7
1963.....	93.7	596.0	91.2	573.8	2.6	22.2
STANDARD METROPOLITAN STATISTICAL AREAS						
Colorado Springs:						
1977.....	10.0	111.8	9.9	109.3	.1	2.5
1972.....	8.5	73.7	8.0	67.3	.5	6.4
1967.....	5.8	34.3	5.6	32.4	.2	1.9
1963.....	3.7	19.7	(D)	(D)	(D)	(D)
Denver-Boulder:						
1977.....	106.4	1,534.8	98.0	1,375.8	8.4	159.0
1972.....	95.5	969.3	88.7	885.0	6.8	84.3
1967.....	74.1	554.5	71.6	530.8	2.5	23.7
1963.....	69.5	461.8	67.5	443.5	2.1	18.3
Fort Collins:						
1977.....	9.8	121.5	9.8	120.8	(Z)	.7
1972.....	5.5	52.1	(NA)	(NA)	(NA)	(NA)
Greeley:						
1977.....	7.0	104.0	(D)	(D)	(D)	(D)
1972.....	5.2	46.5	(NA)	(NA)	(NA)	(NA)
Pueblo:						
1977.....	8.2	140.3	8.2	139.6	(Z)	.7
1972.....	9.0	97.0	9.0	96.4	(Z)	.6
1967.....	9.4	65.6	(D)	(D)	(D)	(D)
1963.....	8.8	57.8	(D)	(D)	(D)	(D)

(D) Withheld to avoid disclosing operations of individual companies. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Defined in appendix B. Data for these establishments are included at the total manufacturing level in each table in this report. Data for these establishments are shown separately in tables 5 and 9 and included in State, SMSA, county, or city totals in other tables.

**Table 2a. Historical Statistics for the State and Selected Standard Metropolitan Statistical Areas:
1977 and Earlier Years**

Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Establishments ²		All employees ²		Production workers							Comparative indexes and U.S. employment			
	Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours mil- lions	Wages (million dollars)	Value added by manu- facture (million dollars)	Cost of materials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)	Percent of U.S. manufac- turing employ- ment (per- cent)	Index of State em- ploy- ment change (1977= 100)	United States	
														Index of manufac- turing employ- ment change (1977= 100)	U.S. manu- facturing employ- ment (1,000)
COLORADO															
1977 CENSUS.	3 948	961	152.5	2 124.8	97.7	190.1	1 141.3	4 471.8	5 594.2	10 018.0	443.1	.78	100	100	19 596.9
1976 ASM....	(NA)	(NA)	142.9	1 870.8	92.2	180.4	1 015.5	3 989.8	5 638.5	9 535.5	385.2	.76	94	96	18 753.0
1975 ASM....	(NA)	(NA)	138.3	1 667.5	88.4	171.4	902.1	3 426.5	5 030.2	8 388.2	365.0	.76	91	94	18 302.2
1974 ASM....	(NA)	(NA)	140.3	1 541.4	93.9	185.2	887.3	3 310.8	4 646.4	7 885.2	358.0	.71	92	102	19 844.8
1973 ASM....	(NA)	(NA)	135.4	1 362.2	90.5	176.7	793.6	2 732.7	3 789.8	6 473.3	310.6	.68	89	102	19 897.9
1972 CENSUS.	2 841	834	132.6	1 297.8	89.0	176.7	769.7	2 504.3	3 319.7	5 792.9	228.8	.70	87	98	19 028.7
1971 ASM....	(NA)	(NA)	116.9	1 071.6	78.4	155.4	646.0	2 088.5	2 590.9	4 699.1	238.3	.64	77	94	18 363.1
1970 ASM....	(NA)	(NA)	117.1	979.0	79.6	157.7	596.1	1 947.0	2 269.7	4 172.3	222.9	.61	77	99	19 217.2
1969 ASM....	(NA)	(NA)	110.6	883.9	75.2	152.5	544.1	1 880.4	2 032.1	3 888.1	155.1	.55	73	103	20 035.5
1968 ASM....	(NA)	(NA)	102.5	789.2	70.5	144.7	490.1	1 627.7	1 923.4	3 533.7	137.6	.52	67	100	19 527.6
1967 CENSUS.	2 461	664	104.0	730.5	71.2	143.4	444.8	1 509.2	1 733.0	3 226.6	99.6	.54	68	99	19 323.2
1966 ASM....	(NA)	(NA)	104.1	707.8	73.4	147.4	442.3	1 457.9	1 666.0	3 091.1	130.5	.55	68	98	19 024.5
1965 ASM....	(NA)	(NA)	96.2	624.1	67.0	134.0	391.5	1 210.5	1 460.6	2 607.6	84.6	.53	63	92	18 010.2
1964 ASM....	(NA)	(NA)	90.3	591.0	61.9	124.7	364.1	1 152.7	1 355.2	2 503.1	63.7	.52	59	89	17 268.5
1963 CENSUS.	2 453	593	93.7	596.0	64.0	128.5	369.1	1 193.8	(NA)	(NA)	68.0	.55	61	87	16 958.4
DENVER-BOULDER SMSA															
1977 CENSUS.	2 541	672	106.4	1 534.8	64.7	125.5	764.2	3 068.5	3 581.5	6 599.7	282.4	.54	100	100	19 596.9
1976 ASM....	(NA)	(NA)	97.9	1 339.6	59.5	117.3	670.4	2 671.9	3 538.6	6 139.7	249.1	.52	92	96	18 753.0
1975 ASM....	(NA)	(NA)	97.8	1 217.1	58.6	114.3	604.7	2 298.6	3 130.2	5 389.7	241.4	.53	92	94	18 302.2
1974 ASM....	(NA)	(NA)	99.2	1 136.9	63.5	125.2	617.9	2 260.8	2 892.8	5 109.5	200.4	.50	93	102	19 844.8
1973 ASM....	(NA)	(NA)	95.7	1 001.5	60.9	119.2	549.3	1 967.9	2 300.5	4 222.1	178.3	.48	90	102	19 897.9
1972 CENSUS.	1 808	596	95.5	969.3	61.6	122.1	545.4	1 849.8	2 110.4	3 933.7	146.6	.50	90	98	19 028.7
1971 ASM....	(NA)	(NA)	83.0	801.0	53.0	105.4	451.2	1 501.4	1 648.6	3 187.9	135.4	.45	78	94	18 363.1
1970 ASM....	(NA)	(NA)	83.6	738.7	54.3	108.7	426.7	1 463.0	1 488.3	2 933.7	124.2	.44	79	99	19 217.2
1969 ASM....	(NA)	(NA)	81.6	675.5	54.0	109.7	397.5	1 460.9	1 370.3	2 817.1	100.4	.41	77	103	20 035.5
1968 ASM....	(NA)	(NA)	75.0	599.6	50.0	102.6	354.7	1 199.7	1 338.9	2 528.4	90.1	.38	71	100	19 527.6
1967 CENSUS.	1 499	454	74.1	554.5	48.9	98.4	321.7	1 121.5	1 240.0	2 352.3	73.6	.38	70	99	19 323.2
1966 ASM....	(NA)	(NA)	72.5	524.6	48.8	98.2	316.6	1 094.0	1 231.0	2 301.2	104.7	.38	68	98	19 024.5
1965 ASM....	(NA)	(NA)	67.9	465.9	45.5	90.6	281.0	891.0	1 061.7	1 896.4	63.7	.38	64	92	18 010.2
1964 ASM....	(NA)	(NA)	66.0	453.8	43.5	87.7	268.4	872.2	997.7	1 864.7	38.8	.38	62	89	17 268.5
1963 CENSUS.	1 481	428	69.5	461.8	45.7	91.6	276.0	926.1	(NA)	(NA)	51.6	.41	65	87	16 958.4

NA Not available.

¹In annual survey of manufactures (ASM) years, data are estimates based on a representative sample of establishments canvassed annually and may differ from results of a complete canvass of all establishments. ASM publication shows percentage standard errors. Unless otherwise noted, for data prior to 1963, see 1963 Census of Manufactures, vol. III, table 1 of State chapter.

²Including central administrative offices and auxiliaries (for definition, see appendix B).

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 2b. **Selected Operating Ratios for the State and Selected Standard Metropolitan Statistical Areas: 1977 and Earlier Years**

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials as percent of value of shipments (percent)	Cost of materials and payroll as percent of value of shipments (percent)	Value added per employee (dollars)	Payroll as percent of value added (percent)	Value added per production worker hour (dollars)
COLORADO									
1977 CENSUS.....	13 934	64	1 945	6.00	56	77	29 325	48	23.53
1976 ASM.....	13 092	65	1 957	5.63	59	79	27 920	47	22.12
1975 ASM.....	12 057	64	1 939	5.26	60	80	24 776	49	19.99
1974 ASM.....	10 986	67	1 972	4.79	59	78	23 598	47	17.88
1973 ASM.....	10 061	67	1 952	4.49	59	80	20 182	50	15.47
1972 CENSUS.....	9 787	67	1 985	4.36	57	80	18 886	52	14.17
1971 ASM.....	9 167	67	1 982	4.16	55	78	17 866	51	13.44
1970 ASM.....	8 360	68	1 981	3.78	54	78	16 627	50	12.35
1969 ASM.....	7 992	68	2 028	3.57	52	75	17 002	47	12.33
1968 ASM.....	7 700	69	2 052	3.39	54	77	15 880	48	11.25
1967 CENSUS.....	7 024	68	2 014	3.10	54	76	14 512	48	10.52
1966 ASM.....	6 799	71	2 008	3.00	54	77	14 005	49	9.89
1965 ASM.....	6 488	70	2 000	2.92	56	80	12 583	52	9.03
1964 ASM.....	6 545	69	2 015	2.92	54	78	12 765	51	9.24
1963 CENSUS.....	6 361	68	2 008	2.67	(NA)	(NA)	12 741	50	9.29
DENVER-BOULDER SMSA									
1977 CENSUS.....	14 428	61	1 939	6.09	54	78	28 845	50	24.45
1976 ASM.....	13 683	61	1 971	5.72	58	79	27 292	50	22.78
1975 ASM.....	12 445	60	1 951	5.29	58	81	23 503	53	20.11
1974 ASM.....	11 461	64	1 972	4.94	57	79	22 790	50	18.06
1973 ASM.....	10 465	64	1 957	4.61	54	78	20 563	51	16.51
1972 CENSUS.....	10 150	65	1 982	4.47	54	78	19 370	52	15.15
1971 ASM.....	9 651	64	1 989	4.28	52	77	18 089	53	14.24
1970 ASM.....	8 836	65	2 002	3.93	51	76	17 500	50	13.46
1969 ASM.....	8 278	66	2 031	3.62	49	73	17 903	46	13.32
1968 ASM.....	7 995	67	2 052	3.46	53	77	15 996	50	11.69
1967 CENSUS.....	7 483	66	2 012	3.27	53	76	15 135	49	11.40
1966 ASM.....	7 236	67	2 012	3.22	53	76	15 090	48	11.14
1965 ASM.....	6 862	67	1 991	3.10	56	81	13 122	52	9.83
1964 ASM.....	6 876	66	2 016	3.06	54	78	13 215	52	9.95
1963 CENSUS.....	6 645	66	2 004	3.01	(NA)	(NA)	13 325	50	10.11

Note: For qualifications to data, see footnotes on table 2a.
(NA) Not available.

Table 3a. Summary Statistics for the State: 1977 and 1972

[For explanation of terms, see appendix B]

Item	Unit of measure	1977	1972
All establishments ¹	number	3 948	2 841
With 1 to 19 employees	do	2 987	2 007
With 20 to 99 employees	do	702	608
With 100 employees or more	do	259	226
All employees, average for year ¹	1,000	152.5	132.6
Payroll for year, all employees ¹	mil. dollars ..	2 124.8	1 297.8
Production workers:			
Average for year	1,000	97.7	89.0
March	do	93.3	84.1
May	do	96.2	86.9
August	do	100.6	91.6
November	do	100.1	93.3
Hours	millions	190.1	176.7
January to March	do	45.2	41.6
April to June	do	47.5	43.7
July to September	do	48.7	45.1
October to December	do	48.7	46.3
Wages	mil. dollars ..	1 141.3	769.7
Cost of materials, etc. ²	do	5 594.2	3 319.7
Materials, parts, containers, etc., consumed	do	5 068.2	3 061.0
Resales	do	317.6	167.8
Fuels consumed	do	69.6	32.0
Purchased electric energy	do	65.5	26.2
Contract work	do	73.4	32.8
Value of shipments, including resales ²	do	10 018.0	5 792.9
Value of resales	do	353.8	211.2
Value added by manufacture	do	4 471.8	2 504.3
Manufacturers' inventories:			
Beginning of year	do	1 192.0	641.9
Finished products	do	398.4	231.0
Work in process	do	379.2	221.5
Materials, supplies, fuel, etc.	do	414.3	189.4
End of year	do	1 293.7	674.5
Finished products	do	376.7	234.0
Work in process	do	448.0	235.1
Materials, supplies, fuel, etc.	do	469.1	205.5
Capital expenditures for plant and equipment	do	467.3	264.5
New capital expenditures	do	443.1	228.8
New buildings and other structures	do	92.6	66.4
New machinery and equipment	do	350.5	162.4
Used capital expenditures	do	24.1	35.7

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies.

¹Including central administrative offices and auxiliaries (for definition, see appendix B).

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 3b. Supplemental State Statistics Based on Sample Estimates: 1977

(For explanation of terms, see appendix B. For description of annual survey of manufactures (ASM), see appendix F)

Item	Amount (million dollars)	Standard error of estimate (percent)	Item	Amount (million dollars)	Standard error of estimate (percent)
Gross value of depreciable assets:			Rental payments:		
Total:			Total	71.7	9
Beginning of year	3,084.9	1	Buildings and other structures	34.6	12
New capital expenditures	459.8	3	Machinery and equipment	37.1	11
Used capital expenditures	(26.7)	15			
Retirements	121.3	7	Depreciation charges during 1977:		
End of year	3,450.1	1	Total	247.3	2
Buildings and other structures:			Buildings and other structures	40.0	5
Beginning of year	907.4	1	Machinery and equipment	207.3	2
New capital expenditures	95.7	5			
Used capital expenditures	(8.5)	40	Supplemental labor costs:		
Retirements	13.2	10	Total	348.0	2
End of year	998.4	1	Legal costs	140.5	2
Machinery and equipment:			Voluntary costs	207.5	2
Beginning of year	2,177.4	1			
New capital expenditures	364.1	3	Purchased services:		
Automobiles, trucks, etc., for highway use	(9.8)	(NA)	Cost of purchased services for the repair of--		
Computers and peripheral data processing equip.	(37.1)	(NA)	Buildings and other structures	13.2	8
All other	(277.6)	(NA)	Response coverage ratio (percent)	61	(X)
New machinery and equipment, n.s.k.	39.7	(NA)	Machinery	(64.0)	(A)
Used capital expenditures	18.2	9	Response coverage ratio (percent)	63	(X)
Retirements	108.2	7	Cost of purchased communication services	(25.4)	(A)
End of year	2,451.6	1	Response coverage ratio (percent)	61	(X)

Note: Expenditures data, shown in tables 2a, 3a, and 4-8, are census universe figures and may differ from ASM sample estimates shown in this table. Table 3b figures represent best estimate of year-to-year change as measured by continuing ASM sample, but are subject to sampling errors. Hence, as estimates of level, they are not as reliable as universe figures.

(A) Indicates standard errors of 100 percent or more. Figures in parentheses have standard errors of 15 percent or more. (NA) Not available. n.s.k. Not specified by kind. (X) Not applicable.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area		1977										1972		
		All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mill- ions)	Wages (million dollars)						
Colorado	-	3 948	961	152.5	2 124.8	97.7	190.1	1 141.3	4 471.8	5 594.2	10 018.0	443.1	132.6	2 504.3
STANDARD METROPOLITAN STATISTICAL AREAS														
Colorado Springs	-	274	65	10.0	111.8	6.8	13.1	68.3	240.4	212.6	442.9	23.3	8.5	117.1
Denver-Boulder	-	2 541	672	106.4	1 534.8	64.7	125.5	764.2	3 068.5	3 581.5	6 599.7	282.4	95.5	1 849.8
Fort Collins	E7	215	55	9.8	121.5	6.3	11.8	60.2	324.5	216.3	531.9	25.2	5.5	105.6
Greeley	-	126	25	7.0	104.0	4.8	9.9	64.3	304.1	697.6	1 008.3	(D)	5.2	116.9
Pueblo	-	101	24	8.2	140.3	6.4	13.2	106.1	287.4	357.5	641.7	(D)	9.0	161.3
COUNTIES														
Adams	-	292	102	12.9	181.4	8.8	17.7	103.9	389.7	995.2	1 369.5	(D)	12.1	229.0
Alamosa	E2	11	2	0.2	1.2	0.1	0.3	1.0	3.4	2.3	5.7	0.1	0.1	0.9
Arapahoe	-	343	75	12.5	201.5	5.8	11.1	63.5	229.3	168.5	393.7	13.6	8.6	98.2
Archuleta	E1	5	1	0.2	1.4	0.1	0.3	1.1	2.0	1.3	3.4	(Z)	(D)	(D)
Baca	E4	4	-	(Z)	0.1	(Z)	(Z)	0.1	0.4	0.4	0.8	(Z)	(D)	(D)
Bent	-	5	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Boulder	-	397	106	18.8	271.4	10.8	20.8	109.9	631.0	458.1	1 070.6	95.3	11.8	241.8
Chaffee	E5	11	2	0.1	1.0	0.1	0.1	0.5	2.0	2.8	4.5	0.3	0.1	0.9
Cheyenne	E0	1	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Clear Creek	E5	4	-	(Z)	0.1	(Z)	(Z)	(Z)	0.1	(Z)	0.2	(D)	(Z)	(NA)
Conejos	E1	17	6	0.3	1.8	0.2	0.3	1.5	3.4	3.4	6.8	(Z)	0.1	1.9
Crowley	-	3	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Custer	E6	3	-	(Z)	0.1	(Z)	(Z)	(Z)	0.1	0.2	0.3	(D)	(D)	(D)
Delta	-	30	6	0.4	4.2	0.3	0.6	2.8	10.9	24.5	35.0	1.7	0.4	4.5
Denver	-	1 165	331	42.4	555.5	27.0	51.8	306.6	1 108.8	1 302.1	2 403.5	54.9	48.8	965.4
Dolores	E4	2	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Douglas	-	18	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Eagle	E3	18	3	0.3	2.8	0.2	0.4	1.9	5.4	4.1	9.2	0.4	0.1	3.2
Elbert	E1	7	1	0.1	1.0	0.1	0.1	0.8	2.1	2.4	4.4	0.1	(D)	(D)
El Paso	-	267	65	9.9	111.7	6.8	13.1	68.2	240.1	212.1	442.2	23.3	8.4	116.9
Fremont	-	43	10	1.0	11.5	0.8	1.5	8.2	42.7	26.9	70.2	3.0	0.7	18.2
Garfield	E3	28	1	0.1	1.5	0.1	0.2	0.9	2.9	2.3	5.3	0.2	0.1	1.6
Gilpin	E3	4	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Grand	E1	19	2	0.2	2.3	0.2	0.4	1.9	4.3	4.8	9.1	0.4	0.1	1.7
Gunnison	E2	13	1	0.1	0.6	(Z)	0.1	0.4	1.1	0.9	2.1	0.1	(Z)	(NA)
Huerfano	E5	5	-	(Z)	0.2	(Z)	(Z)	0.1	0.3	0.4	0.6	(Z)	(Z)	(NA)
Jackson	-	2	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Jefferson	-	322	53	19.4	321.4	12.1	23.7	178.2	697.8	650.4	1 343.6	(D)	14.0	310.6
Kiowa	-	4	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Kit Carson	E0	6	-	(Z)	0.5	(Z)	(Z)	0.3	1.9	1.8	3.7	(D)	(Z)	(NA)
Lake	E1	3	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
La Plata	E3	34	6	0.5	3.8	0.4	0.7	2.1	6.4	7.0	13.3	1.8	0.3	3.9
Larimer	-	215	55	9.8	121.5	6.3	11.8	60.2	324.5	216.3	531.9	(D)	5.5	105.3
Las Animas	E5	7	-	(Z)	0.3	(Z)	(Z)	0.1	0.7	0.6	1.3	0.1	0.1	0.8
Lincoln	E9	4	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Logan	-	30	9	0.9	10.6	0.7	1.6	8.2	30.6	189.5	217.1	2.1	(D)	(D)
Mesa	-	82	22	2.4	24.0	1.8	3.5	14.6	49.6	72.6	121.2	6.0	2.0	24.0
Mineral	-	2	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Moffat	E3	15	3	0.1	1.2	0.1	0.2	0.8	2.2	2.9	5.2	0.2	0.1	0.8
Montezuma	E2	36	4	0.2	2.4	0.2	0.4	1.5	6.9	5.9	12.6	0.5	0.4	6.1
Montrose	-	33	5	0.7	4.8	0.6	1.2	3.5	13.1	11.7	24.7	1.6	0.2	1.9
Morgan	-	24	6	0.6	7.8	0.5	1.0	6.3	8.6	64.0	82.3	0.2	1.0	23.9
Otero	E1	39	11	1.2	12.3	0.9	1.6	8.7	23.1	37.9	62.5	2.3	0.9	20.9
Ouray	E0	2	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Park	E0	3	-	(Z)	(Z)	(Z)	(Z)	(Z)	0.1	0.1	0.1	(D)	(NA)	(NA)
Phillips	E3	8	-	(Z)	0.2	(Z)	(Z)	0.2	0.5	0.7	1.1	(Z)	(Z)	(NA)
Pitkin	E2	21	2	0.1	1.4	0.1	0.1	0.8	2.9	1.9	4.8	0.2	0.1	1.1
Prowers	E2	17	6	0.4	3.3	0.3	0.6	2.4	7.5	14.8	22.4	0.4	0.2	2.4
Pueblo	-	101	24	8.2	140.3	6.4	13.2	106.1	287.4	357.5	641.7	(D)	9.0	161.3
Rio Blanco	E4	8	-	(Z)	0.2	(Z)	(Z)	0.1	0.4	0.3	0.7	(Z)	(Z)	(NA)
Rio Grande	-	20	6	0.4	3.4	0.3	0.5	2.5	5.6	14.3	20.8	0.4	0.3	3.7
Routt	E5	18	1	0.1	0.8	0.1	0.1	0.5	1.5	1.1	2.7	0.1	(Z)	(NA)
Saguache	E0	4	-	(Z)	0.2	(Z)	(Z)	0.1	0.5	0.5	1.0	(Z)	(NA)	(NA)
San Juan	E0	3	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
San Miguel	E0	7	-	(Z)	0.1	(Z)	(Z)	(Z)	0.2	0.2	0.3	(Z)	(Z)	(NA)
Sedgwick	-	3	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Summit	E7	14	-	0.1	0.7	(Z)	0.1	0.4	1.5	1.8	3.3	0.1	(Z)	(NA)
Teller	E0	7	-	(Z)	0.1	(Z)	(Z)	0.1	0.4	0.4	0.8	(Z)	(Z)	(NA)
Washington	E0	1	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Weld	-	126	25	7.0	104.0	4.8	9.9	64.3	304.1	697.6	1 008.3	(D)	5.1	115.5
Yuma	E3	12	1	0.1	0.6	(Z)	0.1	0.3	1.1	1.3	2.8	0.1	(Z)	(NA)
CITIES														
Arvada	-	56	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.7	11.6
Aurora	E1	49	11	1.7	28.5	0.3	0.5	2.9	11.9	15.1	27.5	(D)	2.1	10.1
Boulder	-	142	28	3.6	43.4	2.5	5.0	28.0	93.3	60.9	153.7	11.2	3.3	51.7
Broomfield	-	51	15	1.5	13.9	1.1	2.1	9.0	26.8	26.7	55.9	1.8	0.9	13.8
Canon City	E1	27	6	0.5	4.6	0.4	0.7	3.1	9.7	7.6	17.1	0.8	(NA)	(NA)
Colorado Springs	-	219	55	9.0	103.4	6.1	11.7	62.3	221.1	195.2	410.8	18.1	7.6	105.1
Commerce City	-	47	20	1.7	22.7	1.1	2.3	13.3	61.9	243.7	304.7	7.5	1.7	37.8
Denver	-	1 165	331	42.4	555.5	27.0	51.8	306.6	1 108.8	1 302.1	2 403.5	54.9	(NA)	(NA)
Durango	E3	30	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Englewood	E1	197	39	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.5	42.3
Fort Collins	-	82	18	4.1	47.5	2.8	5.3	27.1	157.0	81.0	233.0	13.8	1.2	19.3

See footnotes at end of table.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area	1977											1972		
	E ¹	All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)						
CITIES—Con.														
Golden	-	33	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Grand Junction	E1	65	20	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.8	21.2
Greeley	-	67	16	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.7	40.8
La Junta	-	15	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Lakewood	-	87	14	2.3	28.6	1.5	2.9	14.2	61.3	27.8	89.1	(D)	(D)	(D)
Littleton	-	34	11	1.6	21.6	1.2	2.4	14.3	39.3	27.3	65.5	2.1	1.5	25.6
Longmont	E2	71	25	2.5	22.3	1.8	3.5	15.1	42.1	41.0	83.8	5.3	2.0	23.8
Loveland	-	46	13	3.8	53.6	2.0	3.8	19.6	116.7	77.0	187.2	(D)	2.9	59.5
Montrose	-	25	5	0.7	4.6	0.6	1.1	3.4	12.8	11.3	24.1	1.6	(NA)	(NA)
Northglenn	-	7	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Pueblo	-	78	18	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	8.8	157.0
Rocky Ford	E1	16	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Sheridan	-	14	4	0.5	7.4	0.4	0.8	5.0	7.9	6.6	14.4	1.0	0.5	8.7
Sterling	-	26	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Westminster	-	24	4	1.4	22.0	1.0	2.0	13.4	43.5	20.9	57.9	1.0	(D)	(D)
Wheat Ridge	-	56	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.5	32.9

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Including central administrative offices and auxiliaries (for definition, see appendix B).

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	All Industries - - - - -	-	3 948	961	152.5	2 124.8	97.7	190.1	1 141.3	4 471.8	5 594.2	10 018.0	443.1	132.6	2 504.3
20	Food and kindred products - - - - -	-	383	136	21.7	299.9	14.4	29.7	185.4	748.9	2 365.8	3 140.2	76.8	21.6	511.9
201	Meat products - - - - -	-	91	29	6.0	86.5	5.1	11.0	72.4	171.9	1 354.6	1 525.9	12.4	6.1	143.6
2011	Meat packing plants - - - - -	-	64	17	3.8	60.9	3.4	7.6	52.7	122.6	1 179.2	1 299.2	7.5	5.2	132.4
2013	Sausages and other prepared meats - - - - -	-	22	10	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2016	Poultry dressing plants - - - - -	-	5	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
202	Dairy products - - - - -	-	39	14	1.3	17.5	0.5	1.1	6.8	38.8	153.5	191.8	3.9	1.6	34.7
2026	Fluid milk - - - - -	-	27	11	1.1	14.5	0.4	0.9	5.7	32.0	114.7	146.4	3.2	1.4	29.4
203	Preserved fruits and vegetables - - - - -	-	17	10	1.1	8.7	0.8	1.5	5.8	16.6	33.7	50.1	1.4	1.0	8.1
2033	Canned fruits and vegetables - - - - -	-	4	3	0.4	3.2	0.4	0.6	2.3	3.3	15.2	17.9	(D)	0.4	2.9
2035	Pickles, sauces, and salad dressings - - - - -	-	7	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
204	Grain mill products - - - - -	-	66	18	1.4	19.1	1.0	1.9	12.4	106.6	187.8	294.0	3.8	1.3	23.5
2041	Flour and other grain mill products - - - - -	-	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2047	Dog, cat, and other pet food - - - - -	-	10	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	9.3
2048	Prepared feeds, n.e.c. - - - - -	E1	48	11	0.6	7.7	0.4	0.8	4.1	22.2	91.7	114.2	1.9	0.6	10.3
205	Bakery products - - - - -	-	50	17	2.9	39.4	2.0	3.9	26.7	117.8	68.9	186.3	4.6	3.2	68.1
2051	Bread, cake, and related products - - - - -	-	48	16	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2052	Cookies and crackers - - - - -	-	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

(Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B)

SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
20	Food and kindred products—Con.														
206	Sugar and confectionery products -----	-	23	11	2.1	21.0	1.9	3.8	17.1	26.2	84.5	139.3	3.7	2.5	49.5
2063	Beet sugar -----	-	9	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2065	Confectionery products -----	-	14	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
207	Fats and oils -----	-	16	6	0.4	5.3	0.2	0.5	3.2	12.6	40.1	52.1	1.0	0.2	5.9
2077	Animal and marine fats and oils -----	-	13	5	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	5.9
208	Beverages -----	-	31	17	5.2	90.8	2.1	4.5	34.4	227.4	403.5	631.4	(D)	4.5	154.3
2082	Malt beverages -----	-	1	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
2086	Bottled and canned soft drinks -----	-	26	16	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
209	Miscellaneous foods and kindred products -----	-	50	14	1.2	11.6	0.8	1.4	6.6	31.1	39.3	69.3	(D)	1.1	24.3
2099	Food preparations, n.e.c. -----	E1	35	10	0.9	8.0	0.6	1.0	4.3	20.6	22.1	42.0	(D)	0.8	14.2
22	Textile mill products --	E4	16	4	0.2	1.5	0.2	0.2	1.0	2.8	1.7	4.4	0.3	AA	(D)
23	Apparel and other textile products -----	E2	149	41	3.9	28.6	3.3	5.9	20.2	55.3	58.4	112.6	1.6	2.6	27.0
232	Men's and boys' furnishings ---	-	22	15	1.3	8.5	1.1	2.0	6.5	16.7	17.0	33.5	(D)	0.5	4.5
2321	Men's and boys' shirts and nightwear -----	-	3	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2328	Men's and boys' work clothing -----	-	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2329	Men's and boys' clothing, n.e.c. -----	-	10	8	0.7	4.8	0.6	1.2	3.9	7.7	7.0	14.7	(D)	(NA)	(NA)
233	Women's and misses' outerwear -----	E8	37	10	0.9	6.0	0.8	1.4	4.5	10.3	9.4	19.6	(D)	CC	(D)
2337	Women's and misses' suits and coats -----	E9	6	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2339	Women's and misses' outerwear, n.e.c. -----	E6	5	2	0.3	1.6	0.2	0.4	1.3	2.6	0.6	3.1	(D)	BB	(D)
236	Children's outerwear -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2369	Children's outerwear, n.e.c. ---	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
239	Miscellaneous fabricated textile products -----	E1	77	11	1.3	11.2	1.0	1.7	6.7	23.1	26.6	48.8	(D)	0.6	4.0
2393	Textile bags -----	-	3	2	0.2	1.6	0.2	0.3	1.1	2.1	3.8	5.7	0.1	(NA)	(NA)
2394	Canvas and related products -----	-	14	2	0.3	2.7	0.2	0.4	1.5	8.3	9.7	17.7	0.2	0.2	1.3
2399	Fabricated textile products, n.e.c. -----	-	16	5	0.5	5.1	0.4	0.7	2.8	10.3	10.2	20.1	0.3	(NA)	(NA)
24	Lumber and wood products -----	-	282	49	4.9	46.9	4.2	7.5	34.7	91.9	131.1	222.6	6.7	4.5	55.8
2411	Logging camps and logging contractors -----	E4	59	4	0.3	2.6	0.2	0.4	2.2	4.8	7.6	12.2	0.6	0.3	3.3
242	Sawmills and planing mills -----	E1	82	14	1.6	12.9	1.5	2.7	11.0	26.1	29.6	56.2	3.1	1.2	13.0
2421	Sawmills and planing mills, general -----	E1	74	12	1.5	11.9	1.4	2.5	10.1	24.6	27.7	52.8	(D)	1.1	11.9
243	Millwork, plywood, and structural members -----	E1	79	17	1.5	15.2	1.3	2.3	11.7	25.5	35.4	60.5	1.1	1.6	19.8
2431	Millwork -----	E4	36	4	0.3	3.2	0.2	0.4	2.2	5.8	7.1	12.9	0.3	0.5	5.4
2434	Wood kitchen cabinets -----	-	28	6	0.8	7.8	0.7	1.1	6.4	11.0	14.0	24.8	0.4	0.6	7.4
2439	Structural wood members, n.e.c. -----	-	15	7	0.4	4.2	0.4	0.7	3.1	8.7	14.3	22.8	0.3	0.3	4.4
245	Wood buildings and mobile homes -----	-	12	10	1.2	13.8	0.9	1.7	8.2	30.9	50.5	81.3	1.4	1.1	16.0
2451	Mobile homes -----	-	8	7	0.8	8.7	0.6	1.2	5.8	15.5	31.1	46.5	(D)	CC	(D)
2452	Prefabricated wood buildings -----	-	4	3	0.4	5.1	0.3	0.5	2.4	15.4	19.4	34.8	(D)	AA	(D)
249	Miscellaneous wood products --	E1	45	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.3	3.3
25	Furniture and fixtures --	E1	127	28	2.0	21.0	1.6	2.9	14.1	42.1	38.7	81.0	1.3	1.9	27.6
251	Household furniture -----	E1	66	13	0.9	7.9	0.7	1.3	5.5	16.7	18.4	34.9	(D)	1.1	15.7
2511	Wood household furniture -----	E5	39	2	0.2	1.4	0.2	0.3	1.1	2.9	2.0	4.9	(D)	AA	(D)
2512	Upholstered household furniture -----	E2	14	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	4.0
2515	Mattresses and bedsprings ---	-	10	7	0.4	4.0	0.3	0.6	2.3	9.5	12.1	21.4	(D)	0.3	7.5
2531	Public building and related furniture -----	-	6	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
254	Partitions and fixtures -----	-	33	10	0.6	7.6	0.5	0.9	5.0	13.1	7.8	20.7	(D)	0.6	9.1
2541	Wood partitions and fixtures ---	-	29	8	0.5	7.1	0.4	0.8	4.7	12.1	7.1	19.0	(D)	BB	(D)
259	Miscellaneous furniture and fixtures -----	-	15	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	2.3
2599	Furniture and fixtures, n.e.c. ---	-	9	3	0.2	1.3	0.1	0.3	1.0	2.1	3.0	5.4	0.1	(NA)	(NA)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
26	Paper and allied products -----	-	40	21	1.9	25.0	1.5	3.1	15.8	51.3	74.5	126.0	(D)	1.9	30.8
264	Miscellaneous converted paper products -----	E1	17	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.8	12.9
2642	Envelopes -----	-	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
265	Paperboard containers and boxes -----	-	22	13	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2651	Folding paperboard boxes -----	-	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2653	Corrugated and solid fiber boxes -----	-	13	8	0.7	10.1	0.5	1.1	6.0	21.5	37.7	59.2	(D)	CC	(D)
27	Printing and publishing -----	-	747	112	12.2	153.3	7.5	13.8	83.7	341.5	149.5	489.1	17.1	10.6	181.9
2711	Newspapers -----	-	158	37	4.6	60.2	2.4	4.3	31.2	123.7	52.4	176.1	6.6	4.9	80.1
2721	Periodicals -----	E2	52	8	0.7	8.9	0.3	0.6	3.2	23.8	10.6	34.4	0.9	0.5	13.4
273	Books -----	-	39	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.8	13.0
2731	Book publishing -----	E1	23	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2732	Book printing -----	-	16	5	0.5	6.1	0.4	0.8	4.5	11.8	6.4	18.3	0.3	BB	(D)
2741	Miscellaneous publishing -----	-	32	6	1.2	17.0	0.5	1.0	4.5	48.5	10.7	58.1	(D)	CC	(D)
275	Commercial printing -----	E1	391	38	3.0	34.2	2.3	4.0	23.0	71.1	41.5	112.1	3.8	2.7	42.2
2751	Commercial printing, letterpress -----	E2	206	12	1.0	10.1	0.8	1.3	6.9	20.1	14.1	34.1	1.7	1.2	17.1
2752	Commercial printing, lithographic -----	E1	173	24	1.9	21.8	1.4	2.5	15.0	45.5	24.1	69.2	1.8	1.2	19.7
2761	Manifold business forms -----	-	8	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.3	3.1
2771	Greeting card publishing -----	-	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
278	Blankbooks and bookbinding -----	-	14	6	0.7	8.8	0.5	1.1	6.3	11.9	7.6	19.4	0.6	0.2	2.2
2782	Blankbooks and looseleaf binders -----	-	4	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
279	Printing trade services -----	E2	52	5	0.3	4.3	0.2	0.4	3.0	6.7	1.8	8.4	0.4	0.2	3.7
2791	Typesetting -----	E4	41	3	0.2	2.5	0.2	0.3	1.8	3.9	0.7	4.6	0.2	(NA)	(NA)
28	Chemicals and allied products -----	-	116	24	2.3	32.8	1.4	2.8	16.8	116.9	128.8	244.6	12.9	1.9	85.8
281	Industrial inorganic chemicals -----	-	15	4	0.3	3.8	0.2	0.4	2.5	17.8	14.4	30.8	1.5	0.2	7.5
2819	Industrial inorganic chemicals, n.e.c. -----	-	9	3	0.2	2.6	0.1	0.3	1.8	10.9	11.0	20.6	(D)	(NA)	(NA)
283	Drugs -----	-	17	5	0.5	5.6	0.4	0.8	3.7	15.6	10.0	25.4	0.5	AA	(D)
2831	Biological products -----	-	8	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2834	Pharmaceutical preparations -----	-	7	4	0.3	3.4	0.2	0.5	2.3	11.5	8.2	19.6	(D)	(NA)	(NA)
284	Soaps, cleaners, and toilet goods -----	E2	25	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	15.7
2842	Polishes and sanitation goods -----	E2	18	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2851	Paints and allied products -----	-	10	4	0.3	4.2	0.1	0.2	1.1	9.8	17.7	27.5	0.2	0.3	7.9
286	Industrial organic chemicals -----	-	6	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2869	Industrial organic chemicals, n.e.c. -----	-	5	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
289	Miscellaneous chemical products -----	E1	27	4	0.3	4.2	0.2	0.4	2.3	13.4	12.7	25.9	1.4	0.3	7.5
29	Petroleum and coal products -----	-	19	7	0.8	14.6	0.6	1.4	10.4	49.7	226.0	273.4	(D)	0.8	24.0
2911	Petroleum refining -----	-	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
295	Paving and roofing materials -----	-	8	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	13.3
2951	Paving mixtures and blocks -----	-	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.3	8.3
30	Rubber and miscellaneous plastics products -----	-	140	41	9.3	114.8	6.3	11.8	68.6	249.2	177.8	423.8	10.4	5.7	146.2
3041	Rubber and plastics hose and belting -----	-	1	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3079	Miscellaneous plastics products -----	-	132	39	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
31	Leather and leather products -----	-	45	11	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
314	Footwear, except rubber -----	-	5	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3143	Men's footwear, except athletic -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3161	Luggage -----	-	6	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3199	Leather goods, n.e.c. -----	E1	21	6	0.3	2.0	0.2	0.3	1.3	3.3	5.9	9.2	(D)	AA	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B															
SIC code	Industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
32	Stone, clay, and glass products -----	-	256	71	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	6.5	139.6
322	Glass and glassware, pressed or blown -----	-	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3221	Glass containers -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3231	Products of purchased glass ---	E5	20	2	0.2	1.6	0.1	0.2	1.2	4.7	4.3	8.9	0.1	(NA)	(NA)
3241	Cement, hydraulic -----	-	4	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
325	Structural clay products -----	-	14	9	1.0	9.7	0.7	1.3	7.4	17.2	11.8	29.1	1.7	1.0	13.2
3251	Brick and structural clay tile -	-	6	6	0.8	7.9	0.6	1.0	6.1	13.3	8.9	22.2	(D)	0.8	10.4
3255	Clay refractories -----	-	4	3	0.2	1.6	0.1	0.3	1.2	3.8	2.6	6.5	(D)	(NA)	(NA)
326	Pottery and related products ---	-	11	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3264	Porcelain electrical supplies -	-	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
327	Concrete, gypsum, and plaster products -	-	158	47	3.4	46.9	2.6	5.1	33.4	98.2	97.8	196.1	8.6	3.0	66.1
3271	Concrete block and brick ---	-	12	5	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3272	Concrete products, n.e.c. ---	-	55	16	1.5	20.2	1.2	2.4	15.0	36.1	26.6	63.0	2.5	1.4	29.3
3273	Ready-mixed concrete -----	-	89	24	1.6	23.5	1.1	2.3	16.5	53.7	60.8	114.4	5.6	1.3	30.5
329	Miscellaneous nonmetallic mineral products -	E1	34	6	0.7	8.0	0.5	0.9	5.0	23.2	11.7	34.2	2.2	0.5	10.1
3296	Mineral wool -----	-	3	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3299	Nonmetallic mineral products, n.e.c. -----	E1	15	2	0.2	1.9	0.1	0.3	1.4	6.0	2.4	7.8	(D)	(NA)	(NA)
33	Primary metal industries -----	-	61	23	7.5	130.1	5.9	12.4	100.8	267.9	283.2	550.1	(D)	7.8	130.2
331	Blast furnace and basic steel products -----	-	8	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3312	Blast furnaces and steel mills -----	-	4	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3317	Steel pipe and tubes -----	-	3	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
332	Iron and steel foundries -----	E1	12	8	0.8	10.1	0.7	1.4	8.1	15.0	11.1	26.1	1.4	CC	(D)
3321	Gray iron foundries -----	E1	9	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3325	Steel foundries, n.e.c. -----	-	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
335	Nonferrous rolling and drawing -	-	7	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
336	Nonferrous foundries -----	E2	18	4	0.3	2.2	0.2	0.4	1.7	3.8	3.8	7.5	0.1	AA	(D)
3361	Aluminum foundries -----	E2	10	2	0.2	1.4	0.1	0.2	1.1	2.8	2.4	5.2	0.1	0.2	1.4
34	Fabricated metal products -----	-	318	98	13.7	190.2	9.2	17.8	105.1	373.6	338.9	695.8	46.1	12.4	206.3
341	Metal cans and shipping containers -----	-	7	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.8	38.6
3411	Metal cans -----	-	4	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
342	Cutlery, hand tools, and hardware -----	-	16	8	1.5	15.9	1.2	2.4	11.3	35.7	22.1	50.6	6.9	1.1	21.4
3423	Hand and edge tools, n.e.c. -	-	9	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3429	Hardware, n.e.c. -----	-	6	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
344	Fabricated structural metal products -----	E1	128	43	3.1	38.4	2.3	4.6	23.9	74.5	92.9	167.3	10.3	2.9	41.8
3441	Fabricated structural metal --	E2	28	13	0.8	11.8	0.6	1.2	7.6	22.8	21.7	46.1	2.2	1.2	18.5
3442	Metal doors, sash, and trim --	E1	21	6	0.4	3.8	0.3	0.6	2.5	8.6	12.5	20.0	(D)	0.2	2.7
3443	Fabricated plate work (boiler shops) -----	-	16	8	0.7	8.8	0.5	1.2	5.6	15.4	15.2	30.0	2.9	CC	(D)
3444	Sheet metal work -----	-	31	11	0.7	8.8	0.5	1.0	5.0	14.9	18.6	33.1	0.7	CC	(D)
3448	Prefabricated metal buildings -----	-	9	2	0.2	2.7	0.2	0.4	1.7	8.4	12.8	21.3	(D)	(NA)	(NA)
3449	Miscellaneous metal work ---	-	5	3	0.2	2.0	0.1	0.2	1.1	3.1	11.0	14.2	(Z)	(NA)	(NA)
345	Screw machine products, bolts, etc. -----	E2	12	2	0.2	1.8	0.1	0.2	1.2	3.3	1.9	5.4	0.2	BB	(D)
346	Metal forgings and stampings --	E2	20	9	0.5	4.6	0.4	0.7	3.0	7.3	6.2	13.5	0.9	AA	(D)
3469	Metal stampings, n.e.c. -----	E2	17	9	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
347	Metal services, n.e.c. -----	E1	42	8	0.5	4.6	0.4	0.7	3.1	8.1	3.8	11.8	0.3	0.3	3.9
3471	Plating and polishing -----	E2	28	3	0.3	2.2	0.2	0.3	1.5	3.1	1.3	4.4	0.2	AA	(D)
3479	Metal coating and allied services -----	-	14	5	0.2	2.4	0.2	0.4	1.5	5.0	2.5	7.4	0.2	(NA)	(NA)
348	Ordnance and accessories, n.e.c. -----	-	6	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3489	Ordnance and accessories, n.e.c. -----	-	1	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
349	Miscellaneous fabricated metal products -----	-	70	21	2.5	33.2	1.9	3.6	21.0	68.7	61.4	127.5	(D)	1.9	38.8
3494	Valves and pipe fittings -----	-	5	5	1.3	18.0	0.9	1.7	10.8	37.9	27.1	64.7	(D)	1.1	24.2
3496	Miscellaneous fabricated wire products -----	-	15	2	0.2	1.8	0.1	0.3	1.1	4.1	8.0	11.5	0.1	(NA)	(NA)
3498	Fabricated pipe and fittings --	-	7	2	0.2	4.0	0.2	0.3	2.8	7.3	7.7	13.2	0.2	(NA)	(NA)
3499	Fabricated metal products, n.e.c. -----	E1	39	10	0.7	8.4	0.6	1.2	5.5	17.0	15.0	32.0	1.8	0.5	9.4

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
35	Machinery, except electrical -----	-	517	112	15.0	212.4	9.8	19.0	113.5	484.1	324.8	787.4	65.1	14.3	302.8
351	Engines and turbines -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3519	Internal combustion engines, n.e.c. -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
352	Farm and garden machinery ---	E1	37	15	1.1	14.7	0.8	1.5	8.7	29.1	31.0	60.2	1.6	0.9	15.3
3523	Farm machinery and equipment -----	E1	36	15	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.9	15.3
353	Construction and related machinery -----	-	42	20	3.0	43.1	1.8	3.5	24.5	99.2	64.1	164.6	3.1	3.4	70.4
3531	Construction machinery -----	-	8	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3532	Mining machinery -----	-	11	7	1.9	27.1	1.1	2.1	16.5	63.2	32.0	98.2	1.8	2.0	44.6
3535	Conveyors and conveying equipment -----	E1	10	4	0.3	4.9	0.2	0.4	2.2	10.9	6.6	17.0	0.2	0.4	6.9
3537	Industrial trucks and tractors -	-	5	3	0.2	3.3	0.1	0.3	1.7	6.3	6.1	11.9	0.3	(NA)	(NA)
354	Metalworking machinery -----	-	58	18	1.2	16.7	0.9	1.8	10.9	27.9	18.2	45.2	(D)	0.8	15.2
3542	Machine tools, metal forming types -----	-	8	4	0.4	5.3	0.3	0.5	3.3	9.8	7.6	17.0	(D)	BB	(D)
3544	Special dies, tools, jigs, and fixtures -----	E1	37	7	0.4	5.9	0.3	0.7	4.4	7.8	4.1	11.9	0.6	0.3	3.9
3549	Metalworking machinery, n.e.c. -----	-	9	3	0.2	3.1	0.2	0.3	1.6	5.3	4.1	9.0	0.1	(NA)	(NA)
355	Special industry machinery ---	E5	27	1	0.2	1.9	0.1	0.2	1.2	3.4	2.2	5.6	0.2	BB	(D)
356	General industrial machinery ---	-	41	12	1.3	18.3	0.9	1.8	11.0	50.2	28.9	78.8	5.0	1.0	16.2
3561	Pumps and pumping equipment -----	-	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.3	4.7
3566	Speed changers, drives, and gears -----	-	5	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3568	Power transmission equipment, n.e.c. -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3569	General industrial machinery, n.e.c. -----	-	13	3	0.2	2.9	0.1	0.2	1.9	5.5	2.8	8.3	(D)	(NA)	(NA)
357	Office and computing machines -----	-	29	10	3.9	65.1	2.2	3.9	20.5	180.9	117.6	279.0	(D)	FF	(D)
3573	Electronic computing equipment -----	-	22	9	3.0	49.2	1.7	3.1	14.2	141.2	88.4	210.3	43.1	FF	(D)
3574	Calculating and accounting machines -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
358	Refrigeration and service machinery -----	E1	33	8	0.5	7.2	0.3	0.6	3.6	17.3	20.7	37.5	(D)	0.4	7.5
3585	Refrigeration and heating equipment -----	-	7	3	0.2	3.3	0.2	0.3	1.8	8.6	10.4	18.8	3.1	AA	(D)
3589	Service industry machinery, n.e.c. -----	-	20	5	0.3	3.6	0.2	0.3	1.6	8.4	10.0	17.9	0.4	(NA)	(NA)
359	Miscellaneous machinery, except electrical -----	E2	239	27	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.6	24.5
3592	Carburetors, pistons, rings, and valves -----	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3599	Machinery, except electrical, n.e.c. -----	E3	237	25	2.3	26.9	1.8	3.5	19.1	46.4	25.4	71.6	3.1	EE	(D)
36	Electric and electronic equipment -	-	158	49	8.8	103.7	6.4	13.0	66.7	220.4	276.2	482.5	17.3	6.9	85.6
361	Electric distributing equipment -	-	7	4	0.2	1.9	0.1	0.2	1.1	3.3	6.2	9.4	0.1	0.2	3.6
362	Electrical industrial apparatus --	E3	15	6	0.4	3.6	0.3	0.5	1.9	7.1	7.2	15.0	0.3	0.2	3.8
364	Electric lighting and wiring equipment -----	E3	11	3	0.2	2.4	0.2	0.3	1.4	6.8	5.6	11.9	0.3	0.2	4.9
366	Communication equipment ----	-	28	10	5.1	65.6	3.9	8.2	47.4	139.4	217.0	344.3	9.6	FF	(D)
3661	Telephone and telegraph apparatus -----	-	2	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3662	Radio and TV communication equipment --	-	26	9	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.6	14.4
367	Electronic components and accessories -----	E3	59	15	1.4	13.3	1.0	2.0	7.2	22.1	16.6	37.5	4.3	1.0	9.0
3674	Semiconductors and related devices -----	E1	8	3	0.4	3.7	0.2	0.4	1.6	5.0	5.2	9.1	(D)	(NA)	(NA)
3679	Electronic components, n.e.c. -----	E3	44	10	0.8	7.4	0.7	1.3	4.3	12.6	9.0	21.6	0.7	CC	(D)
369	Miscellaneous electrical equipment and supplies -----	E1	21	11	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	10.2
3691	Storage batteries -----	-	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3693	X-ray, electromedical, and electrotherapeutic apparatus -	-	6	4	0.6	8.8	0.3	0.6	2.9	25.3	11.4	35.9	(D)	(NA)	(NA)
3694	Engine electrical equipment -	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3699	Electrical equipment and supplies, n.e.c. -----	E9	8	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B.

SIC code	Industry	1977											1972		
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
37	Transportation equipment -----	-	113	27	7.9	130.0	6.1	11.6	97.0	270.4	157.0	421.8	(D)	11.7	259.1
371	Motor vehicles and equipment -	-	52	14	1.7	18.3	1.4	2.5	12.4	38.3	61.8	99.8	(D)	1.6	28.4
3714	Motor vehicle parts and accessories -----	E1	33	10	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3715	Truck trailers -----	-	10	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
372	Aircraft and parts -----	-	15	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3728	Aircraft equipment, n.e.c. ----	-	14	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
376	Guided missiles, space vehicles, parts -----	-	2	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3761	Guided missiles and space vehicles -----	-	1	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3769	Space vehicle equipment, n.e.c. -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
379	Miscellaneous transportation equipment -----	E4	33	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.1	11.6
3792	Travel trailers and campers --	E4	27	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.1	11.4
38	Instruments and related products -----	-	121	29	17.0	278.5	8.3	16.3	96.7	706.8	557.1	1 260.6	64.8	8.4	198.2
3811	Engineering and scientific instruments -----	E2	21	4	0.3	2.8	0.1	0.2	1.1	6.2	3.4	9.4	0.3	AA	(D)
382	Measuring and controlling devices -----	-	31	11	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	5.6	112.3
3823	Process control instruments -	-	9	3	0.2	3.2	0.1	0.2	1.1	9.1	3.1	12.2	0.2	(NA)	(NA)
3824	Fluid meters and counting devices -----	-	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3825	Instruments to measure electricity -----	-	11	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3832	Optical instruments and lenses -----	-	13	6	0.6	7.5	0.4	0.9	4.1	13.2	12.7	25.4	0.3	(NA)	(NA)
384	Medical instruments and supplies -----	-	33	5	1.6	20.1	1.0	2.2	8.3	48.2	13.0	63.2	(D)	1.2	20.2
3841	Surgical and medical instruments -----	-	9	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3843	Dental equipment and supplies -----	-	10	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3861	Photographic equipment and supplies -----	-	12	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
39	Miscellaneous manufacturing industries -----	E1	260	44	4.0	39.5	3.0	5.3	22.8	84.5	63.1	146.3	4.1	3.3	39.8
391	Jewelry, silverware, and plated ware -----	E2	42	7	0.3	3.0	0.3	0.4	2.0	5.3	5.3	10.5	(D)	0.2	1.6
3911	Jewelry, precious metal -----	E1	34	6	0.3	2.6	0.3	0.4	1.8	4.7	4.5	9.1	(D)	(NA)	(NA)
394	Toys and sporting goods -----	-	58	14	2.0	20.5	1.5	2.8	12.1	49.8	35.6	84.6	(D)	1.7	15.8
3944	Games, toys, and children's vehicles -----	-	16	5	0.5	4.5	0.3	0.6	2.3	10.7	10.8	23.0	(D)	0.6	5.9
3949	Sporting and athletic goods, n.e.c. -----	-	42	9	1.6	16.1	1.1	2.1	9.8	39.1	24.8	61.6	2.9	1.1	9.9
395	Pens, pencils, office and art supplies -----	-	12	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.3	4.5
3955	Carbon paper and inked ribbons -----	-	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
396	Costume jewelry and notions --	E5	23	4	0.2	1.3	0.2	0.2	0.7	2.3	1.7	4.0	(D)	(NA)	(NA)
3961	Costume jewelry -----	E2	11	3	0.2	0.7	0.1	0.1	0.3	1.1	0.9	2.1	(D)	(NA)	(NA)
399	Miscellaneous manufactures ---	E2	120	17	1.0	9.9	0.8	1.3	5.8	19.2	11.7	30.6	(D)	1.0	16.4
3993	Signs and advertising displays -----	E1	54	8	0.5	6.0	0.3	0.6	3.5	10.2	4.9	15.1	0.3	0.5	7.6
3999	Manufacturing industries, n.e.c. -----	E2	59	7	0.4	3.2	0.3	0.5	1.8	7.8	5.3	12.9	(D)	0.4	7.5
--	Administrative and auxiliary -----	-	80	34	8.8	166.1	-	-	-	-	-	-	-	(NA)	(NA)

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹ Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

² Statistics for some industry groups and industries are withheld to avoid disclosing figures for individual companies. However, for such industry groups and industries with 150 employees or more, number of establishments is shown and employment size range is indicated by one of the following symbols: AA—150 to 249 employees; BB—250 to 499 employees; CC—500 to 999 employees; EE—1,000 to 2,499 employees; FF—2,500 employees or more. Statistics for industry groups shown include data for all component industries, regardless of whether data are shown for individual industries in the group.

³ Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972

[Includes industry groups and industries with 250 employees or more within SCSEA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSEA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Colorado Springs SMSA-----	-	274	65	10.0	111.8	6.8	13.1	58.3	240.4	212.6	442.9	23.3	8.5	117.1
20	Food and kindred products --	-	23	10	0.4	4.9	0.2	0.4	2.1	12.9	26.5	39.2	0.8	0.4	8.7
24	Lumber and wood products--	-	25	3	0.5	5.9	0.4	0.7	2.9	18.1	18.6	36.8	0.2	0.4	4.6
27	Printing and publishing -----	-	59	10	1.5	16.2	0.9	1.6	9.0	46.4	16.8	63.2	3.3	1.4	25.2
2711	Newspapers -----	E1	11	4	0.5	5.1	0.2	0.4	1.9	9.1	5.0	14.0	(D)	(NA)	(NA)
32	Stone, clay, and glass products-----	E1	19	6	0.4	5.0	0.3	0.6	3.6	10.4	11.2	21.4	0.9	0.3	7.4
34	Fabricated metal products---	E1	25	9	1.3	13.5	1.0	2.0	9.2	29.0	18.8	41.0	(D)	(NA)	(NA)
35	Machinery, except electrical -	E1	24	10	1.1	13.0	0.7	1.3	9.1	31.5	21.3	53.2	1.7	(NA)	(NA)
36	Electric and electronic equipment -----	-	12	6	1.8	17.6	1.3	2.7	13.0	40.0	45.2	82.9	6.5	1.5	10.4
	Denver-Boulder SMSA -----	-	2 541	672	106.4	1 534.8	64.7	125.5	764.2	3 068.5	3 581.5	6 599.7	282.4	95.5	1 849.8
20	Food and kindred products --	-	180	81	14.9	213.5	9.1	18.6	120.8	582.7	1 445.4	2 032.8	62.6	14.2	372.3
202	Dairy products -----	-	18	9	1.0	12.7	0.4	0.8	5.0	25.8	115.2	140.6	3.1	1.0	21.9
203	Preserved fruits and vegetables -----	-	8	4	0.3	3.0	0.3	0.5	1.9	6.0	15.6	21.4	0.4	(NA)	(NA)
204	Grain mill products -----	-	14	9	0.8	12.4	0.6	1.1	8.3	89.0	109.5	197.7	1.9	(NA)	(NA)
209	Miscellaneous foods and kindred products-----	-	32	10	1.0	10.0	0.7	1.2	5.7	26.1	33.6	58.7	(D)	0.8	18.8
23	Apparel and other textile products-----	E2	114	34	3.2	24.5	2.7	4.9	16.9	47.6	49.1	95.5	1.4	2.3	25.2
232	Men's and boys' furnishings -----	-	19	12	0.9	6.5	0.8	1.5	4.9	13.8	11.0	24.6	(D)	(NA)	(NA)
2329	Men's and boys' clothing, n.e.c.-----	-	10	8	0.7	4.8	0.6	1.2	3.9	7.7	7.0	14.7	(D)	(NA)	(NA)
233	Women's and misses' outerwear-----	E8	24	8	0.8	5.3	0.7	1.2	4.0	9.0	8.7	17.7	(D)	(NA)	(NA)
24	Lumber and wood products--	-	102	21	1.8	18.2	1.6	2.8	14.1	29.1	51.3	80.3	2.1	1.6	19.4
242	Sawmills and planing mills -	-	17	3	0.3	2.4	0.3	0.5	2.0	4.4	7.8	12.3	0.6	(NA)	(NA)
243	Millwork, plywood, and structural members-----	E1	43	13	1.0	10.7	0.9	1.5	8.5	14.5	24.0	38.2	0.9	0.9	9.8
2434	Wood kitchen cabinets --	-	12	3	0.4	4.8	0.4	0.6	4.2	3.7	7.6	11.2	0.3	(NA)	(NA)
2439	Structural wood members, n.e.c.-----	-	8	7	0.4	3.8	0.3	0.6	2.7	6.3	11.1	17.3	0.3	0.3	3.9
245	Wood buildings and mobile homes-----	-	4	3	0.3	3.3	0.3	0.5	2.5	6.7	12.5	19.2	0.1	(NA)	(NA)
25	Furniture and fixtures-----	-	93	24	1.5	16.2	1.2	2.2	10.9	30.3	28.8	58.9	(D)	1.8	26.5
251	Household furniture -----	E1	48	12	0.8	7.2	0.6	1.1	4.9	14.9	17.3	31.9	(D)	1.1	15.0
254	Partitions and fixtures -----	-	23	9	0.5	7.0	0.4	0.8	4.6	12.1	6.9	18.8	(D)	(NA)	(NA)
26	Paper and allied products ---	-	32	20	1.9	24.0	1.4	2.9	15.0	50.0	72.4	122.7	(D)	(NA)	(NA)
265	Paperboard containers and boxes-----	-	17	12	1.1	14.5	0.8	1.6	8.4	30.3	53.2	83.5	(D)	1.0	16.0
27	Printing and publishing -----	-	478	74	8.6	116.9	5.3	9.9	64.2	253.3	117.0	368.5	12.1	7.6	136.7
2711	Newspapers -----	-	49	10	2.7	41.1	1.4	2.6	22.2	83.8	39.9	123.7	4.4	3.2	57.2
2721	Periodicals -----	E2	39	7	0.6	7.9	0.3	0.6	2.8	21.2	9.1	30.3	0.9	(NA)	(NA)
273	Books -----	-	22	5	0.5	6.8	0.4	0.8	4.5	14.3	6.8	21.0	0.2	(NA)	(NA)
2741	Miscellaneous publishing -----	-	21	5	1.1	16.0	0.5	1.0	4.5	45.8	9.3	54.0	(D)	(NA)	(NA)
2751	Commercial printing, letterpress-----	E2	141	10	0.8	8.4	0.6	1.1	5.7	17.1	10.7	27.8	1.5	1.1	14.4
279	Printing trade services -----	E2	46	5	0.3	4.2	0.2	0.4	2.9	6.4	1.7	8.0	0.3	(NA)	(NA)
28	Chemicals and allied products-----	-	92	22	2.0	29.1	1.2	2.4	14.2	107.1	115.8	221.6	11.5	1.7	79.9
2834	Pharmaceutical preparations -----	-	7	4	0.3	3.4	0.2	0.5	2.3	11.5	8.2	19.6	(D)	(NA)	(NA)
32	Stone, clay, and glass products-----	-	123	38	4.9	64.7	3.8	7.4	41.1	135.1	103.7	239.0	15.4	4.3	85.9
325	Structural clay products ---	-	8	5	0.8	7.2	0.5	0.9	5.5	11.0	9.2	20.3	(D)	0.8	9.3
327	Concrete, gypsum, and plaster products -----	-	63	26	1.9	28.1	1.5	3.1	20.5	54.7	55.3	110.4	(D)	(NA)	(NA)
3272	Concrete products, n.e.c.-----	-	30	13	1.2	17.1	1.0	2.1	13.1	30.1	22.1	52.6	2.4	1.2	24.1
3273	Ready-mixed concrete --	-	27	10	0.6	10.1	0.4	0.9	6.8	22.7	29.8	52.5	2.5	0.4	15.0
344	Fabricated structural metal products -----	-	93	35	2.4	30.9	1.8	3.5	19.6	59.5	78.1	137.8	6.6	2.6	36.2
3441	Fabricated structural metal -----	E1	20	9	0.7	9.8	0.5	0.9	6.2	18.7	17.4	38.0	1.4	0.9	14.7
3442	Metal doors, sash, and trim -----	-	15	6	0.4	3.5	0.3	0.5	2.3	8.3	12.0	19.3	(D)	(NA)	(NA)
3443	Fabricated plate work (boiler shops) -----	-	11	5	0.4	5.4	0.3	0.5	3.4	9.9	9.2	18.5	(D)	(NA)	(NA)
3444	Sheet metal work -----	-	21	10	0.6	7.6	0.5	1.0	4.7	11.4	16.4	27.5	0.6	0.7	8.0
346	Metal forgings and stampings-----	E1	13	6	0.4	3.4	0.3	0.6	2.2	5.0	4.6	9.6	0.7	(NA)	(NA)
347	Metal services, n.e.c.-----	E1	34	7	0.4	3.8	0.3	0.5	2.6	6.2	2.8	8.9	0.2	(NA)	(NA)
349	Miscellaneous fabricated metal products -----	-	56	16	1.9	26.1	1.4	2.7	15.6	53.7	41.1	91.5	1.8	1.4	26.2

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SMSA's, see appendix A. For explanation of terms, see appendix B.]															
SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Denver-Boulder SMSA—Con.														
35	Machinery, except electrical	-	365	76	9.8	143.5	6.4	12.4	71.6	332.6	213.9	526.6	51.8	11.4	256.2
353	Construction and related machinery	-	31	14	2.2	33.4	1.3	2.7	18.2	71.2	42.0	113.6	2.6	(NA)	(NA)
354	Metalworking machinery	-	53	16	1.0	14.3	0.8	1.6	9.6	23.7	14.8	38.0	(D)	(NA)	(NA)
359	Miscellaneous machinery, except electrical	E3	161	15	1.4	18.0	1.1	2.1	12.1	29.6	15.7	45.1	(D)	0.8	12.1
36	Electric and electronic equipment	-	120	34	6.0	78.5	4.4	8.9	49.4	166.1	219.5	374.1	10.2	4.0	57.7
3679	Electronic components, n.e.c.	E4	34	7	0.5	4.6	0.3	0.7	2.6	7.9	5.9	13.7	0.5	(NA)	(NA)
3693	X-ray, electromedical, and electrotherapeutic apparatus	-	6	4	0.6	8.8	0.3	0.6	2.9	25.3	11.4	35.9	(D)	(NA)	(NA)
37	Transportation equipment	-	80	24	7.4	125.1	5.7	10.9	93.7	259.7	147.3	402.0	(D)	11.3	253.7
39	Miscellaneous manufacturing industries	E1	175	33	3.2	33.2	2.3	4.3	18.7	72.7	53.6	124.3	3.7	2.4	31.2
394	Toys and sporting goods	-	46	13	1.8	18.6	1.3	2.4	10.8	45.5	32.6	76.5	(D)	(NA)	(NA)
399	Miscellaneous manufactures	E2	84	14	0.8	8.0	0.6	1.0	4.6	16.1	9.4	25.2	(D)	0.8	14.2
3993	Signs and advertising displays	E1	36	7	0.4	4.7	0.3	0.5	2.7	8.2	4.0	12.2	0.2	0.4	6.2
--	Administrative and auxiliary	-	63	30	8.4	159.0	-	-	-	-	-	-	-	(NA)	(NA)
	Fort Collins SMSA	-	215	55	9.8	121.5	6.3	11.8	60.2	324.5	216.3	531.9	(D)	5.5	105.6
20	Food and kindred products	-	11	6	0.4	5.8	0.3	0.7	3.8	11.8	43.0	58.0	1.1	(NA)	(NA)
24	Lumber and wood products	-	26	7	0.6	5.4	0.5	0.9	3.6	11.4	18.1	29.3	1.5	(NA)	(NA)
2451	Mobile homes	-	3	3	0.3	3.0	0.2	0.5	1.7	5.2	10.9	15.9	(D)	(NA)	(NA)
27	Printing and publishing	-	34	6	0.6	5.3	0.4	0.8	2.7	11.3	5.8	17.1	0.3	(NA)	(NA)
275	Commercial printing	-	15	2	0.3	2.1	0.3	0.5	1.6	2.8	2.7	5.6	0.1	(NA)	(NA)
32	Stone, clay, and glass products	-	15	6	0.4	5.6	0.3	0.6	4.2	15.8	12.3	28.1	1.2	(NA)	(NA)
	Greeley SMSA	-	126	25	7.0	104.0	4.8	9.9	64.3	304.1	697.6	1 008.3	(D)	5.2	116.9
	Pueblo SMSA	-	101	24	8.2	140.3	6.4	13.2	106.1	287.4	357.5	641.7	(D)	9.0	161.3

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (S) Withheld because estimate did not meet publication standards.

(Z) Less than 50 thousand dollars or hours; under 50 employees.
¹ Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
² Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977												1972	
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Adams County -----	-	292	102	12.9	181.4	8.8	17.7	103.9	389.7	995.2	1 369.5	(D)	12.1	229.0
20	Food and kindred products --	-	32	16	2.1	30.2	1.5	2.9	18.7	58.1	383.6	447.6	2.6	2.6	61.4
201	Meat products-----	-	7	6	0.9	13.3	0.8	1.5	10.0	27.5	299.0	325.0	0.6	1.1	35.1
23	Apparel and other textile products -----	E1	17	5	0.6	5.1	0.5	0.9	3.1	13.4	10.1	21.0	(D)	(NA)	(NA)
327	Concrete, gypsum, and plaster products -----	-	14	8	0.7	9.8	0.6	1.3	8.6	21.6	16.9	38.5	1.0	(NA)	(NA)
34	Fabricated metal products ---	E1	36	10	0.8	10.1	0.5	1.2	6.0	23.6	23.5	47.0	3.6	(NA)	(NA)
35	Machinery, except electrical --	-	49	11	1.4	19.9	0.7	1.5	8.8	44.9	30.7	75.5	5.5	0.7	14.2
37	Transportation equipment ---	-	22	14	2.1	29.3	1.6	3.1	18.5	54.9	61.9	111.4	1.6	2.7	53.5
-	Administrative and auxiliary --	-	10	5	0.6	11.4	-	-	-	-	-	-	-	(NA)	(NA)
	Arapahoe County -----	-	343	75	12.5	201.5	5.8	11.1	63.5	229.3	168.5	393.7	13.6	8.6	98.2
27	Printing and publishing -----	-	48	3	0.9	12.6	0.4	0.8	3.2	32.5	7.2	38.7	2.1	(NA)	(NA)
32	Stone, clay, and glass products -----	-	19	5	0.7	10.1	0.5	1.1	6.2	14.1	11.8	26.2	1.8	0.5	8.7
3272	Concrete products, n.e.c. -----	-	6	3	0.5	7.3	0.4	0.8	4.7	8.7	7.4	16.5	(D)	(NA)	(NA)
34	Fabricated metal products ---	-	39	14	1.6	20.7	1.1	2.1	11.8	41.0	25.9	65.5	1.9	1.0	17.9
349	Miscellaneous fabricated metal products -----	-	10	4	1.1	13.9	0.8	1.4	8.0	28.6	15.2	42.5	1.0	0.7	14.7
35	Machinery, except electrical --	E1	76	16	1.8	25.5	1.2	2.5	16.2	44.7	27.9	70.7	1.7	1.5	23.1
353	Construction and related machinery -----	-	9	3	0.5	8.3	0.4	0.8	5.7	9.7	5.3	14.5	(D)	(NA)	(NA)
38	Instruments and related products -----	-	11	3	1.2	20.6	0.7	1.1	8.4	40.0	18.8	59.4	(D)	(NA)	(NA)
-	Administrative and auxiliary --	-	15	9	4.0	83.2	-	-	-	-	-	-	-	(NA)	(NA)
	Boulder County -----	-	397	106	18.8	271.4	10.8	20.8	109.9	631.0	458.1	1 070.6	95.3	11.8	241.8
20	Food and kindred products --	E2	16	7	1.2	10.8	0.8	1.7	7.2	22.6	32.5	54.4	4.4	0.6	8.2
201	Meat products-----	E1	4	2	0.7	6.2	0.5	1.2	5.3	10.3	15.3	25.6	(D)	(NA)	(NA)
23	Apparel and other textile products -----	-	18	6	0.6	4.7	0.4	0.7	3.0	8.6	12.2	22.6	0.3	(NA)	(NA)
3949	Sporting and athletic goods, n.e.c. -----	-	10	5	0.8	8.3	0.5	1.0	4.2	22.6	14.1	35.5	(D)	(NA)	(NA)
	Denver County (See table 8.)														
	El Paso County -----	-	267	65	9.9	111.7	6.8	13.1	68.2	240.1	212.1	442.2	23.3	8.4	116.9
34	Fabricated metal products ---	E1	25	9	1.3	13.5	1.0	2.0	9.2	29.0	18.8	41.0	(D)	0.8	12.8
35	Machinery, except electrical --	E1	24	10	1.1	13.0	0.7	1.3	9.1	31.5	21.3	53.2	1.7	0.9	14.1
36	Electric and electronic equipment-----	-	12	6	1.8	17.6	1.3	2.7	13.0	40.0	45.2	82.9	6.5	1.5	10.4
	Fremont County -----	-	43	10	1.0	11.5	0.8	1.5	8.2	42.7	26.9	70.2	3.0	0.7	18.2
	Jefferson County -----	-	322	53	19.4	321.4	12.1	23.7	178.2	697.8	650.4	1 343.6	(D)	14.0	310.6
27	Printing and publishing -----	E1	68	10	1.0	11.6	0.7	1.3	7.3	18.2	12.3	30.4	0.9	0.8	14.6
34	Fabricated metal products ---	-	24	7	5.4	90.9	2.9	5.6	41.6	169.7	141.6	305.5	(D)	(NA)	(NA)
	La Plata County -----	-	34	6	0.5	3.8	0.4	0.7	2.1	6.4	7.0	13.3	1.8	0.3	3.9
	Larimer County (Coextensive with Fort Collins, Colo., SMSA; see table 6.)														
	Logan County -----	-	30	9	0.9	10.6	0.7	1.6	8.2	30.6	189.5	217.1	2.1	(D)	(D)
	Mesa County -----	-	82	22	2.4	24.0	1.8	3.5	14.6	49.6	72.6	121.2	6.0	2.0	24.0
	Montrose County -----	-	33	5	0.7	4.8	0.6	1.2	3.5	13.1	11.7	24.7	1.6	0.2	1.9
	Morgan County -----	-	24	6	0.6	7.8	0.5	1.0	6.3	8.6	64.0	82.3	0.2	1.0	23.9
	Otero County -----	-	39	11	1.2	12.3	0.9	1.6	8.7	23.1	37.9	62.5	2.3	0.9	20.9
20	Food and kindred products --	-	18	5	0.7	6.5	0.5	0.9	4.4	12.4	26.4	40.1	(D)	(NA)	(NA)
	Pueblo County (Coextensive with Pueblo, Colo., SMSA; see table 6.)														
	Weld County (Coextensive with Greeley, Colo., SMSA; see table 6.)														

Note: "County" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

Explanation of terms, see appendix B)

SIC code	City and industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
27	Aurora -----	-	49	11	1.7	28.5	0.3	0.5	2.9	11.9	15.1	27.5	(D)	2.1	10.1
	Boulder -----	-	142	28	3.6	43.4	2.5	5.0	28.0	93.3	60.9	153.7	11.2	3.3	51.7
	Printing and publishing -----	-	38	5	0.5	5.7	0.2	0.5	2.5	12.2	6.7	18.7	1.0	0.5	9.0
	Broomfield -----	-	51	15	1.5	13.9	1.1	2.1	9.0	26.8	26.7	55.9	1.8	0.9	13.8
	Canon City -----	-	27	6	0.5	4.6	0.4	0.7	3.1	9.7	7.6	17.1	0.8	(NA)	(NA)
27	Colorado Springs -----	-	219	55	9.0	103.4	6.1	11.7	62.3	221.1	195.2	410.8	18.1	7.6	105.1
	Printing and publishing -----	-	50	10	1.5	16.1	0.9	1.6	8.9	46.0	16.7	62.7	3.3	1.4	24.9
2711	Newspapers -----	E1	5	4	0.5	4.9	0.2	0.3	1.9	8.8	4.9	13.7	(D)	(NA)	(NA)
34	Fabricated metal products ---	E1	20	7	1.0	11.2	0.8	1.5	7.4	20.4	17.0	34.9	2.4	(NA)	(NA)
	Commerce City -----	-	47	20	1.7	22.7	1.1	2.3	13.3	61.9	243.7	304.7	7.5	1.7	37.8
201	Denver -----	-	1 165	331	42.4	555.5	27.0	51.8	306.6	1 108.8	1 302.1	2 403.5	54.9	(NA)	(NA)
	Meat products -----	-	30	11	1.5	20.6	1.2	2.5	16.7	48.5	337.0	385.9	1.3	(NA)	(NA)
	Meat packing plants -----	-	16	6	0.8	12.3	0.7	1.5	10.4	26.8	283.3	310.5	0.6	(NA)	(NA)
	Grain mill products -----	-	7	5	0.6	8.8	0.4	0.8	6.5	74.7	68.8	142.5	(D)	(NA)	(NA)
	Bakery products -----	-	19	11	2.0	26.8	1.6	3.0	21.1	91.6	52.0	143.2	3.3	(NA)	(NA)
	Beverages -----	-	10	6	0.9	12.5	0.4	0.8	4.0	26.7	49.0	74.9	2.7	(NA)	(NA)
	Miscellaneous foods and kindred products -----	-	25	8	0.7	7.4	0.5	0.9	4.4	19.7	27.9	47.3	(D)	(NA)	(NA)
	Apparel and other textile products -----	E3	56	20	1.9	12.9	1.6	2.9	9.4	22.7	24.0	46.1	0.3	(NA)	(NA)
	Women's and misses' outerwear -----	E8	11	6	0.7	4.9	0.6	1.1	3.7	8.3	8.1	16.3	(D)	(NA)	(NA)
	Lumber and wood products --	-	38	6	0.8	8.0	0.7	1.2	6.6	10.1	16.2	26.3	0.9	(NA)	(NA)
24	Millwork, plywood, and structural members -----	-	16	5	0.6	6.1	0.5	0.8	5.2	6.4	11.1	17.4	0.5	(NA)	(NA)
	Furniture and fixtures -----	-	51	15	1.0	9.9	0.8	1.5	6.9	19.7	21.0	40.4	(D)	(NA)	(NA)
251	Household furniture -----	-	26	9	0.6	5.6	0.5	0.9	3.6	12.3	15.0	26.9	(D)	(NA)	(NA)
26	Paper and allied products ---	E1	20	13	1.2	14.5	0.9	1.9	9.3	27.2	29.8	57.3	(D)	(NA)	(NA)
	Miscellaneous converted paper products -----	-	8	6	0.6	7.5	0.5	1.1	5.2	14.1	14.0	28.3	(D)	(NA)	(NA)
264	Paperboard containers and boxes -----	E1	12	7	0.5	6.9	0.4	0.8	4.2	13.1	15.9	29.0	(D)	(NA)	(NA)
27	Printing and publishing -----	-	264	51	5.7	82.4	3.7	6.9	49.0	180.9	87.0	267.5	7.6	(NA)	(NA)
	Commercial printing, letterpress -----	E2	81	8	0.5	5.9	0.4	0.7	4.1	12.1	7.5	19.6	1.1	(NA)	(NA)
2751	Commercial printing, lithographic -----	E1	76	17	1.0	13.2	0.7	1.3	8.6	30.5	14.6	44.8	1.0	(NA)	(NA)
2752															
28	Chemicals and allied products -----	E1	44	13	0.9	11.8	0.5	1.0	5.3	40.4	43.2	82.7	1.9	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	-	47	15	5.7	78.1	3.7	6.9	48.0	119.2	111.0	231.8	5.6	(NA)	(NA)
32	Stone, clay, and glass products -----	-	42	11	1.2	13.7	0.7	1.4	9.6	28.7	30.5	59.0	2.6	(NA)	(NA)
33	Primary metal industries -----	E1	21	4	0.7	9.2	0.5	1.0	6.2	14.4	20.2	34.4	1.1	(NA)	(NA)
34	Fabricated metal products ---	-	121	39	3.0	36.8	2.2	4.2	23.4	73.4	88.2	158.7	4.4	(NA)	(NA)
344	Fabricated structural metal products -----	-	43	21	1.5	19.2	1.1	2.1	12.1	35.6	55.8	91.7	2.6	(NA)	(NA)
349	Miscellaneous fabricated metal products -----	E1	27	7	0.5	7.1	0.4	0.8	4.7	13.2	13.6	24.4	0.4	(NA)	(NA)
35	Machinery, except electrical --	-	133	32	3.3	44.7	2.1	4.2	25.4	103.5	66.3	170.7	(D)	(NA)	(NA)
	Mining machinery -----	-	5	4	0.8	13.1	0.4	0.8	6.3	35.4	16.8	54.8	1.3	(NA)	(NA)
3532															
356	General industrial machinery -----	-	14	5	0.6	6.9	0.4	0.9	4.7	19.7	12.4	32.1	0.3	(NA)	(NA)
36	Electric and electronic equipment -----	E1	36	12	0.9	11.4	0.5	1.0	5.2	26.7	19.9	46.4	1.9	(NA)	(NA)
38	Instruments and related products -----	-	31	7	1.2	14.1	0.8	1.9	8.7	27.7	12.1	39.5	1.9	(NA)	(NA)
39	Miscellaneous manufacturing industries -----	E1	74	19	1.7	17.9	1.3	2.3	10.9	34.7	23.8	57.2	1.2	(NA)	(NA)
399	Miscellaneous manufactures -----	E2	37	11	0.5	5.4	0.4	0.7	3.1	11.0	5.1	16.1	0.2	(NA)	(NA)
--	Administrative and auxiliary --	-	30	15	3.7	62.9	-	-	-	-	-	-	-	(NA)	(NA)

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry		1977											1972	
			All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
		E ¹													
27	Fort Collins	-	82	18	4.1	47.5	2.8	5.3	27.1	157.0	81.0	233.0	13.8	1.2	19.3
	Lakewood	-	87	14	2.3	28.6	1.5	2.9	14.2	61.3	27.8	89.1	(D)	(D)	(D)
	Printing and publishing	-	26	5	0.8	9.1	0.5	1.0	6.0	13.1	9.4	22.5	0.6	(NA)	(NA)
	Littleton	-	34	11	1.6	21.6	1.2	2.4	14.3	39.3	27.3	65.5	2.1	1.5	25.6
20	Longmont	-	71	25	2.5	22.3	1.8	3.5	15.1	42.1	41.0	83.8	5.3	2.0	23.8
	Food and kindred products ..	E4	6	4	0.8	6.6	0.5	1.3	5.3	13.9	12.8	26.7	(D)	0.6	6.3
	Loveland	-	46	13	3.8	53.6	2.0	3.8	19.6	116.7	77.0	187.2	(D)	2.9	59.5
	Montrose	-	25	5	0.7	4.6	0.6	1.1	3.4	12.8	11.3	24.1	1.6	(NA)	(NA)
	Sheridan	-	14	4	0.5	7.4	0.4	0.8	5.0	7.9	6.6	14.4	1.0	0.5	8.7
	Westminster	-	24	4	1.4	22.0	1.0	2.0	13.4	43.5	20.9	57.9	1.0	(D)	(D)

Note: "City" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
COLORADO	3948	383	-	16	149	282	127	40	747	116	19	140	45	256	61	318	517	158	113	121	260	80
1 TO 4 EMPLOYEES	1905	137	-	9	82	157	64	8	456	56	6	55	27	106	16	116	253	63	59	64	152	19
5 TO 9 EMPLOYEES	569	49	-	1	12	39	22	1	103	19	4	28	6	46	7	51	84	24	13	14	35	11
10 TO 19 EMPLOYEES	513	61	-	2	14	37	13	10	76	17	2	16	1	33	15	53	68	22	14	14	29	16
20 TO 49 EMPLOYEES	492	55	-	4	19	23	17	6	75	11	2	30	4	38	14	52	54	23	13	10	30	12
50 TO 99 EMPLOYEES	210	40	-	-	11	14	8	8	15	7	2	9	4	17	2	23	30	8	6	2	2	7
100 TO 249 EMPLOYEES	171	25	-	-	9	10	2	6	14	5	3	-	2	11	4	16	18	14	2	2	2	5
250 TO 499 EMPLOYEES	50	11	-	-	2	2	1	1	5	1	-	-	-	-	-	3	6	1	2	2	1	7
500 TO 999 EMPLOYEES	16	3	-	-	-	-	-	-	2	-	-	-	-	-	-	2	3	1	2	2	2	3
1000 TO 2499 EMPLOYEES	15	1	-	-	-	-	-	-	1	-	-	1	1	1	-	1	1	3	1	2	-	-
2500 EMPLOYEES AND OVER	7	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ADAMS COUNTY	292	32	-	-	17	16	9	3	28	11	9	7	3	19	5	36	49	7	22	3	6	10
1 TO 19 EMPLOYEES	190	16	-	-	12	11	4	2	27	9	5	3	1	11	2	26	38	4	8	3	5	3
20 TO 99 EMPLOYEES	69	7	-	-	3	5	4	1	1	1	2	4	2	7	1	8	7	1	9	-	1	1
100 TO 249 EMPLOYEES	22	7	-	-	1	-	1	-	-	-	-	-	-	-	-	2	2	1	2	-	-	-
250 EMPLOYEES AND OVER	11	2	-	-	1	-	-	-	-	2	-	-	-	-	-	-	3	-	-	-	-	-
ALAMOSA COUNTY	11	3	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	9	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARAPAHOE COUNTY	343	6	-	2	11	16	7	3	48	8	-	15	-	19	7	39	76	24	7	11	29	15
1 TO 19 EMPLOYEES	268	4	-	-	9	12	5	3	45	8	-	10	-	14	5	25	60	20	6	8	26	6
20 TO 99 EMPLOYEES	50	-	-	-	2	4	2	-	2	-	-	5	-	2	1	10	13	2	2	1	3	2
100 TO 249 EMPLOYEES	15	-	-	-	-	-	-	-	1	-	-	-	-	-	-	2	2	2	-	-	-	-
250 EMPLOYEES AND OVER	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
ARCHULETA COUNTY	5	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BACA COUNTY	4	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BENT COUNTY	5	2	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BOULDER COUNTY	397	16	-	2	18	15	16	3	66	6	-	23	10	20	9	14	61	33	11	31	36	7
1 TO 19 EMPLOYEES	291	9	-	2	12	10	14	1	58	2	-	16	8	12	5	9	50	22	5	23	27	6
20 TO 99 EMPLOYEES	77	4	-	-	4	4	2	1	6	2	-	7	1	7	4	4	8	6	2	2	7	1
100 TO 249 EMPLOYEES	22	2	-	-	2	1	-	-	2	2	-	-	-	1	-	1	2	4	2	1	1	-
250 EMPLOYEES AND OVER	7	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	-	-	-
CHAFFEE COUNTY	11	3	-	-	1	1	-	-	3	1	-	-	-	1	-	-	-	-	-	-	1	-
1 TO 19 EMPLOYEES	9	3	-	-	1	1	-	-	2	2	1	-	-	1	-	-	-	-	-	-	1	-
20 TO 99 EMPLOYEES	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
CHEYENNE COUNTY	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
CLEAR CREEK COUNTY	4	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	1	-
1 TO 19 EMPLOYEES	4	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
CONEJOS COUNTY	17	1	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	12	-
1 TO 19 EMPLOYEES	11	1	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	7	-
20 TO 99 EMPLOYEES	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-
CROWLEY COUNTY	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUSTER COUNTY	3	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	3	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
DELTA COUNTY	30	7	-	-	-	6	-	-	3	1	-	-	2	3	-	-	2	3	-	1	1	-
1 TO 19 EMPLOYEES	24	4	-	-	-	-	-	-	2	1	-	-	1	3	-	-	2	3	-	1	-	-
20 TO 99 EMPLOYEES	5	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40 ²
DENVER COUNTY	1165	113	-	4	56	38	51	20	264	44	6	47	9	42	21	121	133	36	25	31	74	30
1 TO 19 EMPLOYEES	834	62	-	2	36	32	36	7	213	31	5	32	5	31	17	82	101	24	24	24	55	15
20 TO 99 EMPLOYEES	254	32	-	2	15	4	14	10	42	11	-	14	3	8	1	31	25	10	1	4	17	10
100 TO 249 EMPLOYEES	51	14	-	-	4	1	1	2	6	2	1	-	-	2	2	8	5	1	-	1	-	1
250 EMPLOYEES AND OVER	26	5	-	-	1	1	-	1	3	-	-	1	1	1	1	-	2	1	-	2	2	4
DOLORES COUNTY	2	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	2	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
DOUGLAS COUNTY	18	1	-	-	-	-	-	-	3	3	-	-	-	6	-	2	2	-	1	-	-	-
1 TO 19 EMPLOYEES	13	1	-	-	-	-	-	-	2	-	-	-	-	5	-	2	2	-	-	-	-	-
20 TO 99 EMPLOYEES	5	-	-	-	-	-	-	-	1	3	-	-	-	1	-	-	-	-	-	-	-	-
EAGLE COUNTY	18	1	-	1	1	2	1	1	7	-	-	-	-	1	-	-	1	2	-	-	1	-
1 TO 19 EMPLOYEES	15	1	-	1	1	1	1	1	7	-	-	-	-	1	-	-	1	1	-	-	1	-
20 TO 99 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ELBERT COUNTY	7	-	-	-	-	2	-	-	-	-	-	-	1	-	-	3	1	-	-	-	-	-
1 TO 19 EMPLOYEES	6	-	-	-	-	2	-	-	-	-	-	-	1	-	-	3	1	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EL PASO COUNTY	267	23	-	1	8	22	13	3	57	4	-	6	4	18	-	25	24	12	7	15	22	3
1 TO 19 EMPLOYEES	202	13	-	-	8	19	11	3	47	4	-	5	3	12	-	16	14	6	6	11	22	2
20 TO 99 EMPLOYEES	46	10	-	1	-	1	1	-	6	-	-	1	1	5	-	7	7	3	-	3	-	-
100 TO 249 EMPLOYEES	11	-	-	-	-	2	-	-	1	-	-	-	-	1	-	1	2	2	1	-	-	1
250 EMPLOYEES AND OVER	8	-	-	-	-	-	1	-	3	-	-	-	-	-	-	1	1	1	-	1	-	-
FREMONT COUNTY	43	4	-	-	1	2	1	1	4	-	1	-	-	10	2	1	7	5	1	-	4	-
1 TO 19 EMPLOYEES	33	4	-	-	1	1	1	-	3	-	-	-	-	6	2	-	6	5	1	-	3	-
20 TO 99 EMPLOYEES	7	-	-	-	-	1	-	-	1	-	-	-	-	3	-	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES	3	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-
GARFIELD COUNTY	28	2	-	-	-	7	-	-	7	-	-	1	1	6	-	1	2	-	-	1	-	-
1 TO 19 EMPLOYEES	27	2	-	-	-	7	-	-	6	-	-	1	1	6	-	1	2	-	-	1	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
GILPIN COUNTY	4	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	2	2
1 TO 19 EMPLOYEES	4	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
GRAND COUNTY	19	-	-	-	1	8	-	-	6	-	-	-	-	3	-	-	-	1	-	-	-	-
1 TO 19 EMPLOYEES	17	-	-	-	1	6	-	-	6	-	-	-	-	3	-	-	-	1	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GUNNISON COUNTY	13	2	-	-	-	4	-	-	3	-	-	-	-	2	-	-	2	-	-	-	-	-
1 TO 19 EMPLOYEES	12	2	-	-	-	4	-	-	2	-	-	-	-	2	-	-	2	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
HUERFANO COUNTY	5	1	-	-	-	2	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	5	1	-	-	-	2	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
JACKSON COUNTY	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JEFFERSON COUNTY	322	12	-	1	12	17	10	3	68	19	-	11	1	17	4	24	44	20	14	16	28	1
1 TO 19 EMPLOYEES	269	7	-	1	11	16	10	1	58	19	-	7	1	12	1	17	38	16	12	14	27	1
20 TO 99 EMPLOYEES	39	2	-	-	1	1	-	-	9	-	-	4	-	3	3	4	5	4	1	1	1	-
100 TO 249 EMPLOYEES	3	-	-	-	-	-	-	-	1	-	-	-	-	2	-	-	1	-	-	-	-	-
250 EMPLOYEES AND OVER	11	3	-	-	-	-	-	-	1	-	-	-	-	-	-	3	-	-	1	1	-	-
KIOWA COUNTY	4	1	-	-	-	-	-	-	2	-	-	-	-	1	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	4	1	-	-	-	-	-	-	2	-	-	-	-	1	-	-	-	-	-	-	-	-
KIT CARSON COUNTY	6	2	-	-	-	-	-	-	2	1	-	-	-	-	-	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES	6	2	-	-	-	-	-	-	2	1	-	-	-	-	-	-	1	-	-	-	-	-
LAKE COUNTY	3	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES	3	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	1	-	-	-	-	-
LA PLATA COUNTY	34	3	-	-	-	9	1	-	5	-	-	-	1	2	-	3	1	-	-	1	7	1
1 TO 19 EMPLOYEES	28	2	-	-	-	7	1	-	4	-	-	-	1	2	-	2	1	-	-	1	7	-
20 TO 99 EMPLOYEES	5	1	-	-	-	1	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

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State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
LARIMER COUNTY	215	11	-	1	5	26	9	3	34	6	-	20	5	15	3	14	33	6	4	4	13	3
1 TO 19 EMPLOYEES	160	5	-	1	4	19	2	3	28	6	-	16	4	9	1	11	25	3	3	3	9	3
20 TO 99 EMPLOYEES	41	4	-	-	1	6	7	-	4	-	-	3	-	5	1	3	4	3	1	-	4	-
100 TO 249 EMPLOYEES	10	2	-	-	-	1	-	-	2	-	-	1	-	1	1	-	2	-	-	1	-	-
250 EMPLOYEES AND OVER	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LAS ANIMAS COUNTY	7	2	-	-	-	2	-	-	1	-	-	-	-	1	-	-	-	-	-	-	1	-
1 TO 19 EMPLOYEES	7	2	-	-	-	2	-	-	1	-	-	-	-	1	-	-	-	-	-	-	1	-
LINCOLN COUNTY	4	1	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	4	1	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-
LOGAN COUNTY	30	12	-	-	-	-	1	-	3	1	-	-	-	3	-	1	6	-	1	1	-	1
1 TO 19 EMPLOYEES	21	8	-	-	-	-	1	-	2	1	-	-	-	3	-	1	3	-	1	1	-	1
20 TO 99 EMPLOYEES	7	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MESA COUNTY	82	9	-	2	1	6	2	-	13	1	2	2	1	9	3	6	9	7	3	2	3	1
1 TO 19 EMPLOYEES	60	6	-	2	1	5	2	-	12	1	1	2	1	5	1	4	7	3	3	1	3	1
20 TO 99 EMPLOYEES	14	2	-	-	1	1	-	-	-	-	-	-	-	3	2	1	2	1	-	-	-	-
100 TO 249 EMPLOYEES	7	1	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MINERAL COUNTY	2	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	2	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
MOFFAT COUNTY	15	2	-	-	-	4	-	-	3	1	-	-	-	3	-	-	2	-	-	-	-	-
1 TO 19 EMPLOYEES	12	2	-	-	-	3	-	-	2	1	-	-	-	2	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	3	-	-	-	-	1	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
MONTESUMA COUNTY	36	8	-	-	1	14	1	-	5	1	-	-	-	-	-	-	2	-	2	-	2	-
1 TO 19 EMPLOYEES	32	7	-	-	1	13	1	-	4	1	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	4	1	-	-	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTROSE COUNTY	33	1	-	-	1	12	-	1	4	-	-	1	-	3	-	1	5	1	3	-	-	-
1 TO 19 EMPLOYEES	28	-	-	-	1	10	-	1	3	-	-	-	-	2	-	1	5	1	3	-	-	-
20 TO 99 EMPLOYEES	4	-	-	-	-	2	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MORGAN COUNTY	24	10	-	-	-	1	-	-	6	-	-	-	-	3	-	1	3	-	-	-	-	-
1 TO 19 EMPLOYEES	18	8	-	-	-	-	-	-	5	-	-	-	-	3	-	1	2	-	-	-	-	-
20 TO 99 EMPLOYEES	3	2	-	-	-	1	-	-	1	-	-	-	-	-	-	1	1	-	-	-	-	-
100 TO 249 EMPLOYEES	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTERO COUNTY	39	18	-	2	-	-	-	-	6	-	-	-	-	1	-	2	8	-	2	-	-	-
1 TO 19 EMPLOYEES	28	13	-	-	-	-	-	-	5	-	-	-	-	1	-	1	6	-	-	-	-	-
20 TO 99 EMPLOYEES	7	2	-	2	-	-	-	-	1	-	-	-	-	-	-	-	2	-	-	-	-	-
100 TO 249 EMPLOYEES	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OURAY COUNTY	2	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
PARK COUNTY	3	-	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	3	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
PHILLIPS COUNTY	8	1	-	2	2	-	-	-	1	-	-	-	-	3	-	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES	8	1	-	-	-	-	-	-	1	-	-	-	-	3	-	-	1	-	-	-	-	-
PITKIN COUNTY	21	1	-	2	-	1	-	-	7	-	-	-	1	1	-	1	-	1	1	1	4	-
1 TO 19 EMPLOYEES	19	1	-	1	-	1	-	-	6	-	-	-	1	1	-	1	-	1	1	1	4	-
20 TO 99 EMPLOYEES	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
PROWERS COUNTY	17	9	-	-	-	-	-	-	3	-	-	-	-	1	-	-	4	-	-	-	-	-
1 TO 19 EMPLOYEES	11	6	-	-	-	-	-	-	2	-	-	-	-	1	-	-	2	-	-	-	-	-
20 TO 99 EMPLOYEES	5	3	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PUEBLO COUNTY	101	15	-	2	9	9	2	17	14	2	-	4	1	15	5	12	9	2	1	1	-	2
1 TO 19 EMPLOYEES	77	11	-	-	-	-	-	14	2	-	-	3	1	8	2	10	7	1	1	-	-	2
20 TO 99 EMPLOYEES	16	2	-	-	-	-	-	2	-	-	-	1	-	5	2	2	1	1	-	-	-	1
100 TO 249 EMPLOYEES	5	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
RIO BLANCO COUNTY.	8	-	-	-	-	1	-	-	4	-	1	-	-	2	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	8	-	-	-	-	1	-	-	4	-	1	-	-	2	-	-	-	-	-	-	-	-
RIO GRANDE COUNTY.	20	4	-	-	1	11	-	-	1	-	-	-	-	2	-	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES.	14	2	-	-	1	8	-	-	1	-	-	-	-	2	-	-	1	-	-	-	-	-
20 TO 99 EMPLOYEES.	6	2	-	-	-	3	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
ROUIT COUNTY.	18	3	-	-	1	4	3	-	2	-	-	1	1	-	-	-	1	-	-	1	1	-
1 TO 19 EMPLOYEES.	17	3	-	-	1	4	3	-	1	-	-	1	1	-	-	-	1	-	-	1	1	-
20 TO 99 EMPLOYEES.	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
SAGUACHE COUNTY.	4	1	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
1 TO 19 EMPLOYEES.	4	1	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
SAN JUAN COUNTY.	3	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	1
1 TO 19 EMPLOYEES.	3	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	1
SAN MIGUEL COUNTY.	7	3	-	-	-	1	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	7	3	-	-	-	1	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-
SEDGWICK COUNTY.	3	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES.	2	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUMMIT COUNTY.	14	1	-	-	1	1	-	-	6	-	-	-	2	3	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	14	1	-	-	1	1	-	-	6	-	-	-	2	3	-	-	-	-	-	-	-	-
TELLER COUNTY.	7	-	-	-	-	3	-	-	2	-	-	-	-	1	-	-	-	-	-	-	1	-
1 TO 19 EMPLOYEES.	7	-	-	-	-	3	-	-	2	-	-	-	-	1	-	-	-	-	-	-	1	-
WASHINGTON COUNTY.	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
WELD COUNTY.	126	29	-	-	5	8	-	1	19	5	-	2	1	8	2	7	18	1	7	2	9	2
1 TO 19 EMPLOYEES.	101	21	-	-	4	7	-	-	18	4	-	2	1	6	2	6	14	1	6	8	1	1
20 TO 99 EMPLOYEES.	14	3	-	-	-	-	-	1	-	-	-	-	-	2	-	1	3	-	1	1	1	1
100 TO 249 EMPLOYEES.	9	4	-	-	1	1	-	-	1	1	-	-	-	-	-	-	1	-	-	-	-	-
250 EMPLOYEES AND OVER.	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
YUMA COUNTY.	12	3	-	-	-	-	-	-	2	-	-	-	-	3	-	2	2	-	-	-	-	-
1 TO 19 EMPLOYEES.	11	3	-	-	-	-	-	-	2	-	-	-	-	3	-	1	2	-	-	-	-	-
20 TO 99 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: Data on number of establishments by employment size class by 4-digit SIC industry for States, counties, and selected cities are presented in Location of Manufacturing Plants data series. This series is available only on computer tape (see Introduction).

- Represents zero.

¹Only those counties and size classes that include data for manufacturing establishments are shown.



Connecticut

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SUMMARY OF FINDINGS

In 1977, 412.1 thousand persons were employed in Connecticut's manufacturing establishments. This figure represented an increase of 3 percent from the 1972 figure of 399.3 thousand workers.

The total value added by manufacture for the State amounted to \$10,934 million in 1977, an increase of approximately 61 percent from the 1972 figure of \$6,828 million. All dollar figures in this report are in current dollars and are, therefore, not adjusted for changes in price levels.

In the State, the most important industry groups ranked by employment were transportation equipment; machinery, except electrical; fabricated metal products; and electric and electronic equipment. They accounted for approximately 55 percent of the State's 1977 employment. The order has shifted from 1972 when industry groups transportation equipment; fabricated metal products; machinery, except electrical; and electric and electronic equipment accounted for approximately 54 percent of the State's employment.

The most important counties in the State ranked by employment were Fairfield, Hartford, New Haven, and New London. They accounted for approximately 88 percent of the State's 1977 manufacturing employment. The order has shifted from 1972 when Hartford, Fairfield, New Haven, and New London accounted for approximately 88 percent of the State's employment.

The methods of data collection and use of administrative records data are discussed in detail in the Introduction. Small single-unit companies with up to 20 employees (the cutoff varied by industry) were excluded from the mail portion of the census. For these establishments (and a small number of larger establishments whose reports were not received in time to be tabulated), statistics on payrolls and receipts were obtained from administrative records of other government agencies. Other statistics were developed from industry averages. For this State, these establishments accounted for 2 percent of the total value of shipments.

Table 1. Historical Employment Statistics for Operating Manufacturing Establishments and Central Administrative Offices: 1977 and Earlier Years

(For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

State, standard metropolitan statistical area, and year	All establishments		Operating manufacturing establishments		Central administrative offices and auxiliaries ¹	
	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)
Connecticut:						
1977.....	412.1	5,852.3	377.5	5,086.2	34.6	766.1
1972.....	398.9	3,857.1	380.0	3,577.4	18.9	279.7
1967.....	477.7	3,494.3	461.7	3,327.4	16.0	166.9
1963.....	419.4	2,583.8	403.9	2,456.9	15.6	127.3
STANDARD CONSOLIDATED STATISTICAL AREA						
New York-Newark-Jersey City, N.Y.-N.J.-Conn.:						
1977.....	1,502.0	20,379.2	1,317.1	16,309.1	184.9	4,070.1
1972.....	1,694.5	13,654.6	1,487.6	10,602.3	206.9	3,052.3
STANDARD METROPOLITAN STATISTICAL AREAS						
Bridgeport:						
1977.....	60.0	884.7	56.6	785.1	3.4	99.6
1972.....	63.7	602.7	61.8	574.1	1.9	28.6
1967.....	79.5	585.2	77.9	568.8	1.6	16.4
1963.....	67.4	419.9	65.8	406.4	1.6	13.6
Bristol:						
1977.....	10.2	147.4	10.0	141.7	.2	5.7
1972.....	9.3	91.9	(D)	(D)	(D)	(D)
Danbury:						
1977.....	17.8	230.6	16.8	217.9	1.0	12.7
1972.....	14.6	137.3	(D)	(D)	(D)	(D)
Hartford:						
1977.....	87.0	1,304.0	78.2	1,141.4	8.8	162.6
1972.....	86.4	893.5	81.4	828.1	5.0	65.4
1967.....	110.6	901.7	104.6	832.1	6.0	69.6
1963.....	90.2	589.5	(D)	(D)	(D)	(D)
Meriden:						
1977.....	5.8	72.3	5.5	66.5	.3	5.8
1972.....	6.6	55.8	6.0	47.7	.6	8.1
1967.....	8.4	63.6	(D)	(D)	(D)	(D)
1963.....	7.4	45.0	(D)	(D)	(D)	(D)
New Britain:						
1977.....	27.3	366.0	27.1	363.1	.2	2.9
1972.....	28.1	259.1	(D)	(D)	(D)	(D)
1967.....	33.5	241.6	(D)	(D)	(D)	(D)
1963.....	29.8	172.2	(D)	(D)	(D)	(D)
New Haven-West Haven:						
1977.....	44.3	565.9	42.6	532.1	1.7	33.8
1972.....	45.5	410.5	44.9	402.9	.6	7.6
New London-Norwich, Conn.-R.I.:						
1977.....	41.8	575.8	41.6	573.6	.2	2.2
1972.....	29.2	276.7	(D)	(D)	(D)	(D)
Norwalk:						
1977.....	15.8	233.9	13.8	187.7	2.0	46.2
1972.....	17.7	175.6	17.2	169.9	.5	5.7
1967.....	20.8	157.2	(D)	(D)	(D)	(D)
1963.....	17.6	109.3	(D)	(D)	(D)	(D)
Springfield-Chicopee-Holyoke, Mass.-Conn.:						
1977.....	63.2	779.5	62.4	764.9	.8	14.6
1972.....	62.1	526.4	61.3	516.9	.8	9.5
1967.....	73.3	463.8	72.3	454.1	1.0	9.7
1963.....	67.4	370.3	66.3	359.7	1.1	10.6
Stamford:						
1977.....	33.6	626.6	(D)	(D)	(D)	(D)
1972.....	27.5	330.3	19.5	199.7	8.0	130.6
1967.....	24.6	192.6	21.1	155.5	3.5	37.1
1963.....	23.7	163.1	19.4	124.9	4.4	38.1
Waterbury:						
1977.....	32.9	419.2	31.2	382.4	1.7	36.8
1972.....	36.4	331.4	35.3	312.0	1.1	19.4
1967.....	42.6	277.4	42.0	272.0	.6	5.4
1963.....	37.7	222.8	(D)	(D)	(D)	(D)

(D) Withheld to avoid disclosing operations of individual companies.

¹Defined in appendix B. Data for these establishments are included at the total manufacturing level in each table in this report. Data for these establishments are shown separately in tables 5 and 9 and included in State, SMSA, county, or city totals in other tables.

**Table 2a. Historical Statistics for the State and Selected Standard Metropolitan Statistical Areas:
1977 and Earlier Years**

Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Establishments ²		All employees ²		Production workers				Comparative indexes and U.S. employment						
	Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)	Value added by manu- facture (million dollars)	Cost of materials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)	Percent of U.S. manufac- turing employ- ment (per- cent)	Index of State em- ploy- ment change (1977= 100)	United States	
														Index of manufac- turing employ- ment change (1977= 100)	U.S. manu- facturing employ- ment (1,000)
CONNECTICUT															
1977 CENSUS.	6 485	2 366	412.1	5 852.3	255.3	509.0	2 901.8	10 933.9	9 084.4	19 842.2	566.0	2.10	100	100	19 596.9
1976 ASM....	(NA)	(NA)	405.4	5 315.0	249.2	492.3	2 635.7	10 095.8	8 313.7	18 397.4	479.9	2.16	98	96	18 753.0
1975 ASM....	(NA)	(NA)	399.3	4 885.1	242.4	471.7	2 374.6	8 732.5	7 337.4	16 047.5	582.6	2.07	97	94	18 302.2
1974 ASM....	(NA)	(NA)	430.8	4 846.0	272.2	552.8	2 498.9	8 934.1	7 431.9	15 897.9	479.1	2.17	105	102	19 844.8
1973 ASM....	(NA)	(NA)	418.7	4 316.1	270.0	546.4	2 294.8	7 893.4	6 000.4	13 826.5	354.7	2.10	102	102	19 897.9
1972 CENSUS.	5 836	2 231	399.3	3 860.0	258.2	520.9	2 068.7	6 828.3	5 384.6	12 121.0	331.6	2.10	97	98	19 028.7
1971 ASM....	(NA)	(NA)	407.0	3 613.0	261.0	520.7	1 948.5	6 049.3	5 233.2	11 358.0	324.7	2.22	99	94	18 363.1
1970 ASM....	(NA)	(NA)	452.6	3 788.6	298.3	599.5	2 109.2	6 595.7	5 491.8	12 099.1	343.2	2.36	110	99	19 217.2
1969 ASM....	(NA)	(NA)	475.1	3 843.7	318.5	655.9	2 198.2	7 172.2	5 829.0	12 792.3	379.4	2.37	115	103	20 035.5
1968 ASM....	(NA)	(NA)	469.9	3 587.1	318.4	657.2	2 077.8	6 567.1	5 580.4	12 107.5	401.3	2.41	114	100	19 527.6
1967 CENSUS.	5 829	2 231	477.7	3 494.3	329.9	684.6	2 066.0	6 389.8	5 284.1	11 619.7	445.7	2.47	116	99	19 323.2
1966 ASM....	(NA)	(NA)	468.9	3 340.7	327.8	694.2	2 012.2	6 185.0	4 970.6	10 845.2	403.6	2.46	114	98	19 024.5
1965 ASM....	(NA)	(NA)	440.4	2 951.0	306.4	639.8	1 768.6	5 308.6	4 300.3	9 481.2	269.9	2.45	107	92	18 010.2
1964 ASM....	(NA)	(NA)	420.8	2 715.9	291.0	604.7	1 622.1	4 754.4	3 834.2	8 521.0	222.2	2.44	102	89	17 268.5
1963 CENSUS.	5 607	2 050	419.4	2 583.8	294.0	601.7	1 569.1	4 495.9	(NA)	(NA)	214.8	2.47	102	87	16 958.4
NEW YORK-NEWARK-JERSEY CITY, N.Y.-N.J.-CONN., SCSA															
1977 CENSUS.	41 325	13 366	1 502.0	20 379.2	919.2	1 747.6	9 319.5	40 638.1	44 236.4	84 486.0	1 949.6	7.66	100	100	19 596.9
1972 CENSUS.	36 320	12 614	1 694.5	13 654.6	885.7	1 688.6	6 414.9	29 668.0	25 402.8	50 270.3	1 083.1	8.90	113	98	19 028.7
BRIDGEPORT SMSA															
1977 CENSUS.	973	354	60.0	884.7	38.1	76.5	450.6	1 714.2	1 415.5	3 102.0	110.2	.31	100	100	19 596.9
1976 ASM....	(NA)	(NA)	59.2	779.8	38.2	75.8	403.2	1 507.3	1 143.6	2 633.5	71.1	.32	99	96	18 753.0
1975 ASM....	(NA)	(NA)	61.4	748.4	38.5	75.0	380.1	1 371.2	1 053.3	2 434.6	64.1	.34	102	94	18 302.2
1974 ASM....	(NA)	(NA)	67.2	746.2	44.5	89.5	407.6	1 418.9	1 156.1	2 479.7	74.3	.34	112	102	19 844.8
1973 ASM....	(NA)	(NA)	63.8	643.4	43.1	85.3	364.5	1 286.0	908.1	2 171.5	45.2	.32	106	102	19 897.9
1972 CENSUS.	927	349	63.7	602.7	41.9	83.7	336.7	1 137.6	832.3	1 987.9	43.6	.33	106	98	19 028.7
1971 ASM....	(NA)	(NA)	63.9	562.3	41.5	82.2	310.5	1 051.2	884.2	1 923.9	33.8	.35	106	94	18 363.1
1970 ASM....	(NA)	(NA)	72.2	586.1	47.6	93.2	334.1	1 228.6	939.3	2 080.5	62.0	.38	120	99	19 217.2
1969 ASM....	(NA)	(NA)	77.6	631.6	51.6	106.6	358.1	1 219.5	1 038.7	2 261.1	53.6	.39	129	103	20 035.5
1968 ASM....	(NA)	(NA)	79.2	598.8	49.5	107.7	313.3	1 177.3	1 012.1	2 198.2	45.8	.41	132	100	19 527.6
1967 CENSUS.	867	341	79.5	585.2	54.7	114.3	357.1	1 150.0	942.0	2 070.9	54.8	.41	133	99	19 323.2
1966 ASM....	(NA)	(NA)	76.8	550.7	54.4	115.0	343.4	1 090.4	899.2	1 939.5	59.2	.40	128	98	19 024.5
1965 ASM....	(NA)	(NA)	71.5	478.8	50.0	106.1	299.3	903.3	744.1	1 641.4	43.7	.40	119	92	18 010.2
1964 ASM....	(NA)	(NA)	68.7	435.1	47.1	97.8	270.1	815.0	673.6	1 478.7	30.4	.40	115	89	17 268.5
1963 CENSUS.	839	309	67.4	419.9	47.1	97.0	259.4	799.5	(NA)	(NA)	33.0	.40	112	87	16 958.4
HARTFORD SMSA															
1977 CENSUS.	1 291	457	87.0	1 304.0	49.7	101.6	603.4	2 317.0	1 936.4	4 228.3	112.9	.44	100	100	19 596.9
1976 ASM....	(NA)	(NA)	89.4	1 258.5	52.4	107.2	601.9	2 440.8	1 939.3	4 415.6	97.1	.48	103	96	18 753.0
1975 ASM....	(NA)	(NA)	89.5	1 199.9	50.7	103.0	553.0	2 056.3	1 674.1	3 734.8	138.6	.49	103	94	18 302.2
1974 ASM....	(NA)	(NA)	90.9	1 119.9	53.3	110.9	533.9	2 050.9	1 481.1	3 342.9	89.6	.46	105	102	19 844.8
1973 ASM....	(NA)	(NA)	89.1	1 015.7	52.6	109.3	493.0	1 774.6	1 248.7	3 003.5	58.9	.45	102	102	19 897.9
1972 CENSUS.	1 193	458	86.4	893.5	51.1	104.3	433.1	1 395.5	1 201.9	2 553.5	58.5	.45	99	98	19 028.7
1971 ASM....	(NA)	(NA)	93.8	879.9	55.5	110.6	426.9	1 238.6	1 213.0	2 484.3	61.5	.51	108	94	18 363.1
1970 ASM....	(NA)	(NA)	107.7	978.0	66.0	134.8	497.9	1 515.1	1 294.4	2 843.8	63.8	.56	124	99	19 217.2
1969 ASM....	(NA)	(NA)	112.0	988.0	69.0	145.5	517.0	1 658.4	1 418.4	3 066.9	81.8	.56	129	103	20 035.5
1968 ASM....	(NA)	(NA)	114.8	968.2	71.7	156.0	504.6	1 693.7	1 515.3	3 159.2	107.0	.59	132	100	19 527.6
1967 CENSUS.	1 051	412	110.6	901.7	70.6	152.1	485.8	1 432.3	1 261.4	2 722.4	111.1	.57	127	99	19 323.2
1966 ASM....	(NA)	(NA)	103.4	818.5	68.9	152.3	464.8	1 362.7	1 047.7	2 297.8	120.2	.54	119	98	19 024.5
1965 ASM....	(NA)	(NA)	93.4	686.9	60.9	130.0	377.9	1 171.8	898.9	2 024.7	68.9	.52	107	92	18 010.2
1964 ASM....	(NA)	(NA)	89.9	626.0	56.6	119.2	340.2	1 005.2	793.7	1 779.7	38.0	.52	103	89	17 268.5
1963 CENSUS.	945	325	90.2	589.5	58.0	121.4	332.0	949.3	(NA)	(NA)	41.0	.53	104	87	16 958.4
NEW HAVEN-WEST HAVEN SMSA															
1977 CENSUS.	901	327	44.3	565.9	30.2	59.3	323.9	1 181.1	1 058.0	2 230.8	65.4	.23	100	100	19 596.9
1976 ASM....	(NA)	(NA)	43.1	506.0	29.6	59.2	288.5	1 029.9	994.0	2 017.0	50.4	.23	97	96	18 753.0
1975 ASM....	(NA)	(NA)	43.5	471.9	29.2	59.5	267.5	965.0	919.0	1 874.9	59.4	.24	98	94	18 302.2
1974 ASM....	(NA)	(NA)	47.7	484.1	33.0	66.2	284.9	1 055.6	908.9	1 926.7	50.4	.24	108	102	19 844.8
1973 ASM....	(NA)	(NA)	47.6	444.7	34.3	68.6	273.9	933.3	743.0	1 663.3	44.5	.24	108	102	19 897.9
1972 CENSUS.	817	314	45.5	410.5	31.5	63.5	247.8	800.7	711.7	1 496.1	37.5	.24	103	98	19 028.7
NEW LONDON-NORWICH, CONN.R.I., SMSA															
1977 CENSUS.	286	108	41.8	575.8	26.6	51.3	305.5	1 081.4	780.7	1 847.4	49.3	.21	100	100	19 596.9
1976 ASM....	(NA)	(NA)	38.8	507.0	24.0	46.0	264.0	943.8	698.7	1 640.9	.0	.21	93	98	18 753.0
1975 ASM....	(NA)	(NA)	37.3	399.0	22.3	36.9	187.8	749.2	591.9	1 330.1	.0	.20	89	94	18 302.2
1974 ASM....	(NA)	(NA)	35.9	396.9	22.1	43.9	204.8	651.2	567.8	1 190.2	.0	.18	86	102	19 844.8
1973 ASM....	(NA)	(NA)	31.5	319.3	19.9	40.2	166.7	523.5	420.7	944.9	.0	.16	75	102	19 897.9
1972 CENSUS.	252	107	29.2	276.7	18.6	37.5	144.5	457.4	335.1	784.4	.0	.15	70	98	19 028.7

See footnotes at end of table.

**Table 2a. Historical Statistics for the State and Selected Standard Metropolitan Statistical Areas:
1977 and Earlier Years—Con.**

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Establishments ²		All employees ²		Production workers							Comparative indexes and U.S. employment			
	Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)	Value added by manu- facture (million dollars)	Cost of materials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)	Percent of U.S. manufac- turing employ- ment (per- cent)	Index of State em- ploy- ment change (1977= 100)	United States	
														Index of manufac- turing employ- ment change (1977= 100)	U.S. manu- facturing employ- ment (1,000)
SPRINGFIELD-CHICOPEE-HOLYOKE, MASS.-CONN., SMSA															
1977 CENSUS.	1 034	400	63.2	779.5	45.5	88.6	480.5	1 735.5	1 572.5	3 290.8	109.1	.32	100	100	19 596.9
1976 ASM....	(NA)	(NA)	62.1	694.4	44.6	86.1	424.1	1 521.1	1 463.5	2 975.8	71.7	.33	98	96	18 753.0
1975 ASM....	(NA)	(NA)	60.2	647.7	42.3	82.1	381.9	1 341.0	1 258.9	2 621.6	74.1	.33	95	94	18 302.2
1974 ASM....	(NA)	(NA)	64.7	630.5	47.3	92.4	399.5	1 469.1	1 317.5	2 720.2	79.9	.33	102	102	19 844.8
1973 ASM....	(NA)	(NA)	63.2	571.7	46.6	95.5	372.8	1 248.5	1 057.8	2 290.5	68.8	.32	100	102	19 897.9
1972 CENSUS.	1 002	3 926	62.1	526.4	45.0	90.2	341.1	1 157.7	951.2	2 088.2	55.1	.33	98	98	19 028.7
1971 ASM....	(NA)	(NA)	60.4	480.5	43.7	84.5	304.2	1 000.9	839.6	1 855.5	48.1	.33	96	94	18 363.1
1970 ASM....	(NA)	(NA)	66.9	504.8	48.8	95.5	325.2	1 022.3	867.7	1 883.3	62.5	.35	106	99	19 217.2
1969 ASM....	(NA)	(NA)	73.1	520.0	54.1	105.7	339.5	1 079.8	862.6	1 923.6	54.6	.36	116	103	20 035.5
1968 ASM....	(NA)	(NA)	73.1	489.7	51.5	105.8	298.7	995.0	790.5	1 787.8	50.6	.37	116	100	19 527.6
1967 CENSUS.	1 003	426	73.3	463.8	54.5	107.9	304.1	947.7	760.7	1 701.0	62.9	.38	116	99	19 323.2
1966 ASM....	(NA)	(NA)	72.6	442.0	54.1	109.1	291.2	924.9	758.9	1 658.7	66.7	.38	115	98	19 024.5
1965 ASM....	(NA)	(NA)	70.0	410.2	51.9	104.5	267.7	816.0	694.4	1 490.9	41.5	.39	111	92	18 010.2
1964 ASM....	(NA)	(NA)	69.9	389.3	51.9	103.7	255.7	754.8	642.8	1 384.9	28.2	.40	111	89	17 268.5
1963 CENSUS.	979	397	67.4	370.3	49.7	98.9	240.9	690.6	(NA)	(NA)	27.9	.40	107	87	16 958.4

(NA) Not available.

(NA) Not available.

¹In annual survey of manufactures (ASM) years, data are estimates based on a representative sample of establishments canvassed annually and may differ from results of a complete canvass of all establishments. ASM publication shows percentage standard errors. Unless otherwise noted, for data prior to 1963, see 1963 Census of Manufactures, vol. III, table 1 of State chapter.

²Including central administrative offices and auxiliaries (for definition, see appendix B).

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

**Table 2b. Selected Operating Ratios for the State and Selected Standard Metropolitan Statistical Areas:
1977 and Earlier Years**

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials as percent of value of shipments (percent)	Cost of materials and payroll as percent of value of shipments (percent)	Value added per employee (dollars)	Payroll as percent of value added (percent)	Value added per production worker hour (dollars)
CONNECTICUT									
1977 CENSUS.	14 200	62	1 993	5.70	46	75	26 531	54	21.48
1976 ASM....	13 111	61	1 976	5.35	45	74	24 903	53	20.51
1975 ASM....	12 234	61	1 946	5.03	46	76	21 870	56	18.51
1974 ASM....	11 249	63	2 031	4.52	47	77	20 738	54	16.16
1973 ASM....	10 308	64	2 024	4.20	43	75	18 852	55	14.45
1972 CENSUS.	9 667	65	2 017	3.97	44	76	17 101	57	13.11
1971 ASM....	8 877	64	1 995	3.74	46	78	14 863	57	11.62
1970 ASM....	8 371	66	2 010	3.52	45	77	14 573	57	11.00
1969 ASM....	8 090	67	2 059	3.35	46	76	15 096	54	10.93
1968 ASM....	7 634	68	2 064	3.16	46	76	13 976	55	9.99
1967 CENSUS.	7 315	69	2 075	3.02	45	76	13 376	55	9.33
1966 ASM....	7 125	70	2 118	2.90	46	77	13 190	54	8.91
1965 ASM....	6 701	70	2 088	2.76	45	76	12 054	56	8.30
1964 ASM....	6 454	69	2 078	2.68	45	77	11 298	57	7.86
1963 CENSUS.	6 161	70	2 047	2.61	(NA)	(NA)	10 720	57	7.47
NEW YORK-NEWARK-JERSEY CITY, N.Y.-N.J.—CONN., SCSA									
1977 CENSUS.	13 568	61	1 901	5.33	52	76	27 056	50	23.25
1972 CENSUS.	8 058	52	1 907	3.80	51	78	17 508	46	17.57
BRIDGEPORT SMSA									
1977 CENSUS.	14 741	63	2 010	5.89	46	74	28 561	52	22.40
1976 ASM....	13 172	65	1 984	5.32	43	73	25 461	52	19.89
1975 ASM....	12 189	63	1 948	5.07	43	74	22 332	55	18.28
1974 ASM....	11 104	66	2 011	4.55	47	77	21 115	53	15.85
1973 ASM....	10 085	68	1 979	4.27	42	71	20 157	50	15.08
1972 CENSUS.	9 462	66	1 998	4.02	42	72	17 859	53	13.59
1971 ASM....	8 800	65	1 981	3.78	46	75	16 451	53	12.79
1970 ASM....	8 118	66	1 958	3.58	45	73	17 017	48	13.18
1969 ASM....	8 139	66	2 066	3.36	46	74	15 715	52	11.44
1968 ASM....	7 560	63	2 176	2.91	46	73	14 865	51	10.93
1967 CENSUS.	7 361	69	2 090	3.12	45	74	14 465	51	10.06
1966 ASM....	7 171	71	2 114	2.99	46	75	14 198	51	9.48
1965 ASM....	6 697	70	2 122	2.82	45	75	12 634	53	8.51
1964 ASM....	6 333	69	2 076	2.76	46	75	11 863	53	8.33
1963 CENSUS.	6 230	70	2 059	2.67	(NA)	(NA)	11 862	53	8.24

See footnotes at end of table.

**Table 20. Selected Operating Ratios for the State and Selected Standard Metropolitan Statistical Areas:
1977 and Earlier Years—Con.**

Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials as percent of value of shipments (percent)	Cost of materials and payroll as percent of value of shipments (percent)	Value added per employee (dollars)	Payroll as percent of value added (percent)	Value added per production worker hour (dollars)
HARTFORD SMSA									
1977 CENSUS.....	14 991	57	2 043	5.94	46	77	26 637	56	22.80
1976 ASM.....	14 077	59	2 046	5.61	44	72	27 302	52	22.77
1975 ASM.....	13 407	57	2 032	5.37	45	77	22 975	58	19.96
1974 ASM.....	12 320	59	2 081	4.81	44	78	22 562	55	18.49
1973 ASM.....	11 400	59	2 078	4.51	42	75	19 917	57	16.24
1972 CENSUS.....	10 341	59	2 041	4.15	47	82	16 152	64	13.38
1971 ASM.....	9 381	59	1 993	3.86	49	84	13 205	71	11.20
1970 ASM.....	9 081	61	2 042	3.69	46	80	14 068	65	11.24
1969 ASM.....	8 821	62	2 109	3.55	46	78	14 807	60	11.40
1968 ASM.....	8 434	62	2 176	3.23	48	79	14 753	57	10.86
1967 CENSUS.....	8 153	64	2 154	3.19	46	79	12 950	63	9.42
1966 ASM.....	7 916	67	2 210	3.05	46	81	13 179	60	8.95
1965 ASM.....	7 354	65	2 135	2.91	44	78	12 546	59	9.01
1964 ASM.....	6 963	63	2 106	2.85	45	80	11 181	62	8.43
1963 CENSUS.....	6 535	64	2 093	2.73	(NA)	(NA)	10 524	62	7.82
NEW HAVEN-WEST HAVEN SMSA									
1977 CENSUS.....	12 786	68	1 965	5.46	47	73	26 683	48	19.90
1976 ASM.....	11 740	69	2 000	4.87	49	74	23 896	49	17.40
1975 ASM.....	10 848	67	2 038	9.54	49	74	22 184	49	16.22
1974 ASM.....	10 149	69	2 006	4.30	47	72	22 130	46	15.95
1973 ASM.....	9 342	72	2 000	3.99	45	71	19 607	48	13.60
1972 CENSUS.....	9 022	69	2 016	3.90	48	75	17 598	51	12.61
NEW LONDON-NORWICH, CONN.-R.I., SMSA									
1977 CENSUS.....	13 785	64	1 929	5.96	42	73	25 888	53	21.09
1976 ASM.....	13 067	62	1 917	5.74	43	73	24 325	54	20.52
1975 ASM.....	10 697	60	1 655	5.09	45	74	20 086	53	20.30
1974 ASM.....	11 056	62	1 986	4.67	48	81	18 139	61	14.83
1973 ASM.....	10 137	63	2 020	4.15	45	78	16 619	61	13.02
1972 CENSUS.....	9 476	64	2 016	3.85	43	78	15 664	60	12.20
SPRINGFIELD-CHICOPEE-HOLYOKE, MASS.-CONN., SMSA									
1977 CENSUS.....	12 344	72	1 945	5.42	48	71	27 483	45	19.59
1976 ASM.....	11 182	72	1 930	4.93	49	73	24 494	46	17.67
1975 ASM.....	10 759	70	1 941	4.65	48	73	22 276	48	16.33
1974 ASM.....	9 745	73	1 953	4.32	48	72	22 706	43	15.90
1973 ASM.....	9 046	74	2 049	3.90	46	71	19 755	46	13.07
1972 CENSUS.....	8 477	72	2 004	3.78	46	71	18 643	45	12.83
1971 ASM.....	7 955	72	1 934	3.60	45	71	16 571	48	11.84
1970 ASM.....	7 546	73	1 957	3.41	46	73	15 281	49	10.70
1969 ASM.....	7 114	74	1 954	3.21	45	72	14 772	48	10.22
1968 ASM.....	6 699	70	2 054	2.82	44	72	13 611	49	9.40
1967 CENSUS.....	6 327	74	1 980	2.82	45	72	12 929	49	8.78
1966 ASM.....	6 088	75	2 017	2.67	46	72	12 740	48	8.48
1965 ASM.....	5 860	74	2 013	2.56	47	74	11 657	50	7.81
1964 ASM.....	5 569	74	1 998	2.47	46	75	10 798	52	7.28
1963 CENSUS.....	5 494	74	1 990	2.44	(NA)	(NA)	10 246	54	6.98

Note: For qualifications to data, see footnotes on table 2a.

NA: Not available.

Table 3a. Summary Statistics for the State: 1977 and 1972

[For explanation of terms, see appendix B]

Item	Unit of measure	1977	1972
All establishments ¹	number ----	6 485	5 836
With 1 to 19 employees	do	4 119	3 605
With 20 to 99 employees	do	1 601	1 519
With 100 employees or more	do	765	712
All employees, average for year ¹	1,000 ----	412.1	399.3
Payroll for year, all employees ¹	mil. dollars --	5 852.3	3 860.0
Production workers:			
Average for year	1,000 ----	255.3	258.2
March	do	253.3	255.2
May	do	255.1	256.7
August	do	254.5	256.8
November	do	258.0	264.1
Hours	millions ----	509.0	520.9
January to March	do	125.9	129.2
April to June	do	129.7	132.1
July to September	do	122.2	123.0
October to December	do	131.1	136.6
Wages	mil. dollars --	2 901.8	2 068.7
Cost of materials, etc. ²	do	9 084.4	5 384.6
Materials, parts, containers, etc., consumed	do	7 467.9	4 534.2
Resales	do	876.7	466.5
Fuels consumed	do	171.3	75.4
Purchased electric energy	do	198.3	93.0
Contract work	do	370.2	215.4
Value of shipments, including resales ²	do	19 842.2	12 121.0
Value of resales	do	1 229.8	692.9
Value added by manufacture	do	10 933.9	6 828.3
Manufacturers' inventories:			
Beginning of year	do	3 469.2	2 362.0
Finished products	do	1 260.3	896.0
Work in process	do	1 280.4	846.7
Materials, supplies, fuel, etc.	do	928.5	619.3
End of year	do	3 662.7	2 379.9
Finished products	do	1 308.6	870.0
Work in process	do	1 407.3	925.9
Materials, supplies, fuel, etc.	do	946.8	584.0
Capital expenditures for plant and equipment	do	616.2	366.3
New capital expenditures	do	566.0	331.6
New buildings and other structures	do	113.6	77.5
New machinery and equipment	do	452.3	254.1
Used capital expenditures	do	50.3	34.7

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies.

¹Including central administrative offices and auxiliaries (for definition, see appendix B).

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 3b. Supplemental State Statistics Based on Sample Estimates: 1977

(For explanation of terms, see appendix B. For description of annual survey of manufactures (ASM), see appendix F)

Item	Amount (million dollars)	Standard error of estimate (percent)	Item	Amount (million dollars)	Standard error of estimate (percent)
Gross value of depreciable assets:			Rental payments:		
Total:			Total	160.0	6
Beginning of year	6,019.3	1	Buildings and other structures	70.7	11
New capital expenditures	554.5	4	Machinery and equipment	89.2	4
Used capital expenditures	58.8	10			
Retirements	215.7	4	Depreciation charges during 1977:		
End of year	6,416.9	1	Total	430.6	2
Buildings and other structures:			Buildings and other structures	85.4	4
Beginning of year	1,868.6	1	Machinery and equipment	345.2	2
New capital expenditures	(117.9)	17			
Used capital expenditures	17.8	10	Supplemental labor costs:		
Retirements	42.1	6	Total	1,108.4	1
End of year	1,962.2	1	Legal costs	423.0	1
Machinery and equipment:			Voluntary costs	685.5	1
Beginning of year	4,151.1	1			
New capital expenditures	436.5	2	Purchased services:		
Automobiles, trucks, etc., for highway use ..	14.7	(NA)	Cost of purchased services for the repair of--		
Computers and peripheral data processing equip.	9.4	(NA)	Buildings and other structures	29.4	1
All other	370.9	(NA)	Response coverage ratio (percent)	65	(X)
New machinery and equipment, n.s.k.	41.5	(NA)	Machinery	100.2	2
Used capital expenditures	41.0	13	Response coverage ratio (percent)	65	(X)
Retirements	173.7	4	Cost of purchased communication services	(101.1)	(A)
End of year	4,454.8	1	Response coverage ratio (percent)	57	(Z)

Note: Expenditures data, shown in tables 2a, 3a, and 4-8, are census universe figures and may differ from ASM sample estimates shown in this table. Table 3b figures represent best estimate of year-to-year change as measured by continuing ASM sample, but are subject to sampling errors. Hence, as estimates of level, they are not as reliable as universe figures.

(A) Indicates standard errors of 100 percent or more. Figures in parentheses have standard errors of 15 percent or more. (X) Not applicable. (NA) Not available. n.s.k. Not specified by kind. (S) Withheld because estimate did not meet publication standards.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities and Towns: 1977 and 1972

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area	E ¹	1977										1972		
		All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)						
Connecticut - - - - -	-	6 485	2 366	412.1	5 852.3	255.3	509.0	2 901.8	10 933.9	9 084.4	19 842.2	566.0	399.3	6 828.3
STANDARD CONSOLIDATED STATISTICAL AREAS														
New York-Newark-Jersey City, N.Y.-N.J.-Conn. - - - - -	-	41 325	13 366	1 502.0	20 379.2	919.2	1 747.6	9 319.5	40 638.1	44 236.4	84 486.0	1 949.6	1 694.5	29 668.0
Portion in New York - - - - -	-	28 079	8 404	843.4	10 892.4	526.8	980.4	4 906.3	21 404.8	21 192.0	42 411.4	856.6	991.4	15 715.6
Portion in New Jersey - - - - -	-	12 395	4 649	609.2	8 626.2	372.8	729.4	4 206.0	18 046.3	22 244.9	40 093.0	1 036.2	658.0	13 133.8
STANDARD METROPOLITAN STATISTICAL AREAS														
Bridgeport - - - - -	-	973	354	60.0	884.7	38.1	76.5	450.6	1 714.2	1 415.5	3 102.0	110.2	63.7	1 137.6
Bristol - - - - -	-	166	57	10.2	147.4	8.1	15.9	105.8	259.2	170.0	420.3	9.5	9.3	160.3
Danbury - - - - -	-	327	126	17.8	230.6	11.2	22.6	122.6	566.7	452.1	1 016.8	25.5	14.6	344.2
Hartford - - - - -	-	1 291	457	87.0	1 304.0	49.7	101.6	603.4	2 317.0	1 936.4	4 228.3	112.9	86.4	1 395.5
Menden - - - - -	-	118	47	5.8	72.3	4.0	7.7	41.2	141.7	118.0	256.9	8.8	6.6	74.1
New Britain - - - - -	-	441	153	27.3	366.0	20.2	40.6	244.1	779.0	541.1	1 297.8	41.2	28.1	501.7
New Haven-West Haven - - - - -	-	901	327	44.3	565.9	30.2	59.3	323.9	1 181.1	1 058.0	2 230.8	65.4	45.5	800.7
New London-Norwich, Conn.-R.I. - - - - -	-	286	108	41.8	575.8	26.6	51.3	305.5	1 081.4	780.7	1 847.4	49.3	29.2	457.4
Portion in Rhode Island - - - - -	-	45	17	1.8	18.4	1.3	2.6	12.6	38.9	36.5	73.5	2.3	2.3	22.8
Portion in Connecticut - - - - -	-	241	91	40.0	557.5	25.2	48.7	292.8	1 042.5	744.2	1 773.9	47.0	27.0	434.6
Norwalk - - - - -	-	335	119	15.8	233.9	8.7	16.8	82.8	387.3	280.5	660.5	19.1	17.7	333.7
Springfield-Chicopee-Holyoke, Mass.-Conn. - - - - -	-	1 034	400	63.2	779.5	45.5	88.6	480.5	1 735.5	1 572.5	3 290.8	109.1	62.1	1 157.7
Portion in Massachusetts - - - - -	-	1 021	397	63.0	777.7	45.4	88.3	479.3	1 730.3	1 570.4	3 283.8	108.9	62.0	1 156.3
Portion in Connecticut - - - - -	E1	13	3	0.2	1.8	0.1	0.3	1.2	5.3	2.1	7.0	0.3	0.1	1.4
Stamford - - - - -	-	516	194	33.6	626.6	10.9	21.0	124.5	799.7	518.9	1 321.1	37.6	27.5	485.9
Waterbury - - - - -	-	542	209	32.9	419.2	21.7	43.8	226.9	821.5	957.1	1 743.9	41.4	36.4	570.6
COUNTIES														
Fairfield - - - - -	-	1 978	723	117.3	1 849.0	61.7	122.7	695.6	3 064.2	2 420.7	5 454.4	149.4	113.8	2 052.7
Hartford - - - - -	-	1 676	601	116.7	1 727.5	72.8	147.9	904.5	3 173.5	2 500.6	5 621.1	156.4	114.9	1 931.5
Litchfield - - - - -	-	370	124	17.8	201.6	13.4	27.3	136.5	506.0	418.8	921.4	22.6	16.8	298.3
Middlesex - - - - -	-	303	103	15.0	192.5	10.6	20.9	116.7	452.5	348.3	779.8	26.0	14.8	263.8
New Haven - - - - -	-	1 629	618	89.6	1 154.6	60.1	118.9	649.5	2 355.7	2 256.8	4 559.4	147.4	94.5	1 575.5
New London - - - - -	-	237	87	39.2	547.9	24.6	47.3	285.7	1 024.0	738.0	1 748.8	46.0	26.4	426.8
Tolland - - - - -	E1	130	35	4.2	45.4	2.6	5.0	21.4	81.8	70.9	152.6	3.9	5.0	64.5
Windham - - - - -	-	162	75	12.4	133.8	9.7	19.0	91.9	276.3	330.2	604.7	14.4	12.9	214.2
CITIES AND TOWNS														
Ansonia - - - - -	-	24	11	2.7	40.8	1.9	3.8	25.1	69.2	96.7	163.4	2.7	(D)	(D)
Berlin town - - - - -	-	84	31	3.6	46.1	2.6	5.4	30.0	86.1	63.8	147.1	4.1	4.2	62.8
Bethel town - - - - -	-	44	20	1.8	20.8	1.2	2.3	11.6	40.3	32.9	71.6	1.4	1.3	30.3
Bloomfield town - - - - -	E2	70	33	3.3	43.6	2.0	3.8	22.0	82.2	50.6	132.2	5.3	4.1	58.8
Branford town - - - - -	-	73	16	2.4	31.8	1.5	3.1	16.5	64.2	57.0	119.1	2.8	1.6	18.6
Bndgeport - - - - -	-	430	152	25.9	344.3	18.3	36.7	212.3	655.4	607.3	1 248.9	29.7	29.4	458.9
Bristol - - - - -	-	134	47	8.8	130.0	7.0	13.6	93.8	223.1	151.9	368.8	7.6	(D)	(D)
Cheshire town - - - - -	-	44	16	2.7	35.7	1.7	3.5	18.0	63.9	43.9	102.7	3.2	2.3	33.9
Clinton town - - - - -	-	28	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Danbury - - - - -	-	177	69	11.2	148.4	6.5	13.2	69.8	330.7	240.0	568.8	16.1	9.8	215.6
Derby - - - - -	-	33	10	1.3	15.8	1.1	2.2	12.3	29.5	20.5	50.1	(D)	2.4	32.4
East Hartford town - - - - -	-	104	29	23.0	413.3	11.7	24.1	173.7	742.9	679.5	1 423.3	36.3	27.2	413.5
East Haven town - - - - -	E1	24	5	0.7	5.2	0.5	1.0	3.7	8.3	8.1	16.2	0.1	0.6	8.5
Enfield town - - - - -	-	50	18	1.5	17.9	0.7	1.4	7.4	27.0	49.4	78.5	1.0	1.0	20.2
Fairfield town - - - - -	E3	106	44	4.4	88.6	2.7	5.7	32.7	113.7	183.4	295.1	3.9	3.4	74.7
Farmington town - - - - -	-	60	30	3.1	42.3	2.0	4.2	22.7	76.2	42.7	118.0	2.6	2.5	42.0
Glastonbury town - - - - -	E1	48	15	1.0	11.5	0.8	1.6	7.8	24.7	23.9	48.7	1.7	0.8	11.2
Greenwich town - - - - -	-	138	52	10.7	219.1	2.5	4.9	30.3	183.2	94.3	282.3	6.2	8.1	94.5
Groton - - - - -	-	7	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Groton town - - - - -	E1	23	4	0.5	6.7	0.4	0.7	4.6	15.1	9.8	24.6	0.4	(NA)	(NA)
Guilford town - - - - -	E1	39	12	0.9	9.7	0.6	1.2	6.1	32.8	29.3	62.2	1.4	1.0	14.7
Hamden town - - - - -	E1	120	48	4.3	50.4	3.3	6.3	31.6	91.9	100.2	194.4	5.6	7.5	114.0
Hartford - - - - -	-	195	76	10.7	146.9	6.8	13.8	72.4	278.4	214.1	489.1	11.6	12.8	215.1
Jewett City - - - - -	-	8	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Killingly town - - - - -	-	12	10	2.8	32.1	2.2	4.2	21.9	65.8	64.9	129.9	3.8	1.7	23.9
Manchester town - - - - -	-	126	40	4.0	45.3	2.6	5.1	24.6	81.7	71.6	152.3	4.8	3.7	54.2
Menden - - - - -	-	118	47	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	6.6	74.1
Middletown - - - - -	-	60	28	6.9	97.4	4.6	9.3	56.7	220.9	171.3	372.7	11.3	6.8	101.7
Milford - - - - -	-	144	57	7.4	95.5	4.8	9.4	54.8	259.0	119.7	375.7	(D)	6.3	167.8
Monroe town - - - - -	-	15	3	0.5	6.2	0.4	0.9	3.7	10.5	6.3	16.6	(D)	(NA)	(NA)
Montville town - - - - -	-	15	7	1.9	27.2	1.1	2.3	14.3	64.9	60.4	125.2	(D)	1.0	16.3
Naugatuck - - - - -	-	35	15	5.1	67.4	3.2	6.4	35.1	155.1	205.0	341.7	8.2	7.5	105.9
New Britain - - - - -	-	167	60	12.4	167.0	8.9	17.9	108.3	376.4	231.9	604.9	17.5	13.0	247.8
New Haven - - - - -	-	244	95	13.8	166.6	8.7	16.4	82.2	268.6	228.7	491.5	11.0	13.7	203.1
Newington town - - - - -	-	73	27	3.0	41.3	1.9	3.8	23.4	81.6	96.5	177.4	6.5	2.8	49.4
New London - - - - -	-	35	9	1.4	13.8	1.1	2.0	9.1	25.0	14.8	39.5	1.2	1.5	18.2
New Milford town - - - - -	-	35	12	2.3	29.8	1.8	3.8	22.8	130.9	120.1	251.6	3.6	1.9	68.6
Newtown town - - - - -	E1	38	17	1.7	21.5	1.1	2.2	12.2	42.5	39.8	83.0	2.8	1.4	27.4
North Branford town - - - - -	-	11	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
North Haven town - - - - -	-	87	43	8.6	122.4	6.4	13.6	82.3	264.2	247.1	512.7	19.0	8.9	157.9
Norwalk - - - - -	-	253	101	11.9	163.2	7.2	14.0	69.2	318.7	233.3	549.0	14.3	15.3	285.1
Norwich - - - - -	-	49	26	4.1	38.3	3.0	5.8	23.8	79.7	95.3	173.8	4.3	4.1	68.1
Orange town - - - - -	E1	30	11	0.9	11.0	0.6	1.2	5.2	16.9	19.5	36.1	0.6	(D)	(D)
Plainfield town - - - - -	-	30	13	2.8	32.4	2.3	4.5	25.1	62.5	75.0	138.1	2.7	3.2	53.7
Plainville town - - - - -	-	72	23	4.4	60.3	3.3	6.5	38.0	129.2	116.3	240.0	5.4	4.8	92.0

See footnotes at end of table.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities and Towns: 1977 and 1972—Con.

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area		1977										1972		
		All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)						
	E ¹													
CITIES AND TOWNS—Con.														
Plymouth town	-	29	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.3	18.2
Portland town	-	18	7	0.9	13.9	0.6	1.2	7.9	25.7	19.5	45.4	0.6	0.9	15.2
Putnam	-	28	14	2.1	19.6	1.6	3.2	12.7	49.9	44.8	92.7	3.5	1.7	34.0
Ridgefield town	E4	31	9	1.1	13.8	0.5	1.2	4.9	14.8	13.4	29.9	0.4	(D)	(D)
Rocky Hill town	-	25	8	1.2	17.6	1.0	1.9	11.8	32.9	43.9	76.6	(D)	0.9	15.2
Seymour town	-	26	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.0	23.3
Shelton	-	76	32	4.0	51.1	2.7	5.0	25.2	119.7	100.4	216.0	4.9	4.0	77.8
Simsbury town	-	15	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.6	10.4
Southington town	-	118	39	6.9	92.6	5.4	10.9	67.8	187.3	129.1	305.7	14.2	6.0	99.1
South Windsor town	-	44	17	1.7	24.7	1.1	2.4	13.6	44.9	33.9	77.2	3.0	1.3	21.1
Stafford Springs	-	14	6	0.6	5.6	0.5	0.9	3.9	14.9	14.8	30.2	0.6	1.4	19.8
Stamford	-	342	131	22.3	396.5	8.1	15.7	91.4	598.1	417.3	1 013.7	31.1	18.5	378.8
Stonington town	-	37	12	2.5	33.2	1.6	3.3	17.3	73.5	45.3	115.6	3.7	2.4	43.3
Stratford town	-	146	47	14.2	241.7	7.5	15.5	103.9	464.1	349.9	806.7	28.5	15.9	267.7
Torrington	-	52	22	4.6	48.1	3.3	6.6	33.1	101.8	70.0	171.8	3.0	5.3	69.6
Trumbull town	-	23	9	2.3	41.5	0.6	1.0	5.7	62.3	27.9	93.0	(D)	2.0	52.5
Vernon town	E1	46	15	2.5	28.0	1.3	2.5	10.2	35.2	39.2	74.5	1.7	2.6	27.2
Wallingford town	-	110	45	6.9	93.8	4.6	8.8	53.0	218.7	171.7	389.8	14.3	5.9	127.7
Waterbury	-	230	107	14.4	174.6	10.1	20.4	106.3	344.3	341.3	669.8	17.7	20.0	326.2
Waterford town	-	7	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Watertown town	-	62	17	2.0	24.5	1.5	3.1	15.8	48.4	44.0	94.4	4.4	1.8	35.8
West Hartford town	-	117	32	7.1	90.1	4.7	9.3	50.9	208.2	133.7	337.0	8.1	7.3	129.0
West Haven	-	92	38	3.7	50.1	2.5	4.9	29.5	118.6	120.4	236.9	6.2	3.6	84.3
Westport town	E2	51	11	1.3	26.2	0.3	0.5	2.0	16.2	10.8	26.8	0.8	(D)	(D)
Wethersfield town	-	27	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Willimantic	-	21	10	2.3	24.6	1.7	3.3	15.4	43.1	66.9	110.7	2.7	2.9	52.0
Wilton town	-	25	7	2.6	44.3	1.2	2.3	11.5	51.9	35.9	83.7	3.9	1.5	30.6
Winchester town	-	38	16	1.3	13.6	1.1	2.2	10.0	24.1	25.1	49.1	1.2	1.3	17.4
Windsor Locks town	-	21	12	8.9	152.3	4.6	9.6	64.2	277.7	176.8	445.9	12.4	7.6	144.7
Windsor town	-	37	24	8.5	134.5	3.7	8.2	47.2	129.2	96.3	220.5	8.4	4.4	72.1
Wolcott town	E2	52	13	0.8	9.7	0.7	1.3	6.6	19.0	15.4	34.5	0.9	0.6	9.5

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E10—100 percent.

²Including central administrative offices and auxiliaries (for definition, see appendix B).

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
20	Food and kindred products—Con														
203	Preserved fruits and vegetables	-	14	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.3	11.6
2038	Frozen specialties	-	5	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	2.3
205	Bakery products	-	58	20	3.8	52.3	2.5	4.7	28.8	140.6	100.2	240.6	5.5	3.9	65.1
2051	Bread, cake, and related products	-	57	20	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
206	Sugar and confectionery products	-	11	5	0.7	7.8	0.5	0.9	4.2	34.0	42.2	74.2	1.7	CC	(D)
2065	Confectionery products	-	9	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
208	Beverages	-	35	13	1.3	16.3	0.6	1.2	7.4	97.2	100.3	197.9	4.3	1.8	74.9
2085	Distilled liquor, except brandy	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2086	Bottled and canned soft drinks	-	27	10	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
209	Miscellaneous foods and kindred products	-	28	5	1.0	10.6	0.7	1.5	7.7	48.0	35.1	83.6	0.7	0.7	15.8
2092	Fresh or frozen packaged fish	-	4	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2099	Food preparations, n.e.c.	-	17	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
21	Tobacco products	-	5	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
22	Textile mill products ..	-	104	64	10.1	97.7	8.5	17.0	71.6	182.1	239.0	420.1	12.5	13.0	195.3
2221	Weaving mills, manmade fiber and silk	-	7	6	1.2	10.9	1.0	2.0	8.1	21.0	21.9	44.6	(D)	1.5	18.5
2231	Weaving and finishing mills, wool	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.6	6.4
2241	Narrow fabric mills	E3	12	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
225	Knitting mills	-	24	17	2.2	20.0	1.8	3.7	13.8	41.0	62.3	102.2	2.4	1.7	24.0
2253	Knit outerwear mills	-	9	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2257	Circular knit fabric mills	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.7	13.6
2258	Warp knit fabric mills	-	5	8	1.1	9.9	0.9	1.9	7.5	19.8	40.5	60.2	1.4	BB	(D)
226	Textile finishing, except wool ..	-	16	10	1.7	20.1	1.5	3.0	15.8	30.8	33.9	64.9	2.0	2.7	43.3
2261	Finishing plants, cotton	-	5	4	1.0	13.0	0.9	1.8	10.7	19.3	14.6	33.6	(D)	BB	(D)
2262	Finishing plants, synthetics ..	-	8	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2269	Finishing plants, n.e.c.	-	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
228	Yarn and thread mills	-	12	11	2.4	20.0	2.1	4.3	15.5	41.6	36.2	76.4	(D)	FF	(D)
2281	Yarn mills, except wool	-	5	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2283	Wool yarn mills	-	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2284	Thread mills	-	4	4	1.7	14.5	1.4	2.9	10.6	30.3	27.6	56.6	(D)	EE	(D)
229	Miscellaneous textile goods	-	27	13	1.9	20.6	1.5	3.1	14.3	37.3	74.6	111.9	1.8	3.2	57.6
2291	Felt goods, except woven felts and hats	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2295	Coated fabrics, not rubberized	-	7	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.9	33.9
2297	Nonwoven fabrics	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2298	Cordage and twine	-	7	5	0.3	2.8	0.2	0.4	1.5	4.2	5.2	9.0	0.1	BB	(D)
23	Apparel and other textile products	E1	265	141	11.7	86.9	9.5	16.9	59.3	175.4	179.7	347.3	2.7	13.4	137.3
2311	Men's and boys' suits and coats	-	4	3	0.3	2.3	0.2	0.3	1.4	3.2	3.9	7.1	(D)	BB	(D)
232	Men's and boys' furnishings ..	E1	27	21	2.0	15.0	1.6	2.8	9.6	39.5	41.4	75.4	(D)	1.8	22.4
2321	Men's and boys' shirts and nightwear	-	10	9	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2323	Men's and boys' neckwear ..	E6	9	6	0.3	2.6	0.3	0.4	2.0	6.1	4.5	10.5	(Z)	BB	(D)
2329	Men's and boys' clothing, n.e.c.	E1	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
233	Women's and misses' outerwear	-	110	68	5.3	38.4	4.4	7.8	27.5	67.1	65.2	130.7	(D)	6.6	60.1
2331	Women's and misses' blouses and waists	-	10	9	0.7	4.6	0.7	1.3	4.1	5.8	0.7	6.4	(Z)	BB	(D)
2335	Women's and misses' dresses	E3	55	28	1.8	11.3	1.7	2.6	9.8	15.5	3.4	18.7	0.3	3.3	18.3
2337	Women's and misses' suits and coats	-	33	25	2.2	18.2	1.5	2.9	10.0	39.2	57.4	95.3	0.7	EE	(D)
2339	Women's and misses' outerwear, n.e.c.	-	12	6	0.6	4.4	0.5	1.0	3.6	6.6	3.8	10.2	(D)	0.9	10.9
234	Women's and children's undergarments	E1	21	16	1.1	8.1	0.9	1.3	4.7	14.0	16.3	29.7	(D)	1.7	14.4
2341	Women's and children's underwear	E1	10	8	0.4	2.4	0.3	0.5	1.4	4.5	10.1	14.2	(D)	0.9	6.6
2342	Brassieres and allied garments	E1	11	8	0.7	5.6	0.5	0.9	3.3	9.5	6.2	15.5	0.2	0.8	7.8
236	Children's outerwear	-	5	4	0.3	2.1	0.3	0.5	2.0	2.6	0.3	2.9	(D)	AA	(D)
2363	Children's coats and suits	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)

See footnotes at end of table.

**Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.**

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977												1972	
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
23	Apparel and other textile products—Con.														
238	Miscellaneous apparel and accessories -----	-	16	7	1.0	7.3	0.8	1.6	5.1	23.4	14.6	37.8	(D)	1.1	13.9
2387	Apparel belts -----	-	7	4	0.7	5.8	0.6	1.2	4.0	20.7	11.8	32.3	0.3	0.7	10.7
239	Miscellaneous fabricated textile products -----	E1	74	20	1.6	11.9	1.3	2.3	7.6	23.1	34.8	58.1	(D)	1.6	18.3
2391	Curtains and draperies -----	-	10	4	0.4	2.5	0.3	0.6	1.7	5.0	10.0	15.5	(Z)	0.3	4.0
2392	House furnishings, n.e.c. -----	E3	14	8	0.6	3.6	0.5	0.9	2.7	7.1	11.2	18.0	0.2	0.5	5.2
2394	Canvas and related products -----	E2	24	3	0.3	2.1	0.2	0.4	1.4	3.6	3.0	6.5	0.1	(NA)	(NA)
2399	Fabricated textile products, n.e.c. -----	-	11	2	0.2	2.5	0.1	0.3	1.1	5.5	8.4	14.0	0.1	0.3	6.0
24	Lumber and wood products -----	E2	197	28	2.1	20.0	1.7	3.3	14.8	33.5	42.1	75.3	2.4	1.9	21.7
242	Sawmills and planing mills -----	E3	34	6	0.4	3.1	0.3	0.6	2.4	5.0	6.2	11.1	0.8	0.2	1.9
2421	Sawmills and planing mills, general -----	E4	24	3	0.2	1.7	0.2	0.3	1.3	3.1	4.1	7.1	0.6	(NA)	(NA)
2426	Hardwood dimension and flooring -----	E2	10	3	0.2	1.4	0.2	0.3	1.1	1.9	2.1	4.0	0.2	0.2	1.2
243	Millwork, plywood, and structural members -----	E2	84	11	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.7	10.1
2431	Millwork -----	E1	34	2	0.2	2.3	0.2	0.4	1.6	4.4	6.1	10.4	0.2	0.3	4.0
2434	Wood kitchen cabinets -----	E2	44	8	0.6	6.8	0.5	1.0	5.1	9.9	9.5	19.3	0.2	0.3	4.6
244	Wood containers -----	E1	20	5	0.4	2.9	0.3	0.6	2.2	5.0	5.6	10.6	0.6	BB	(D)
2448	Wood pallets and skids -----	E1	14	3	0.2	1.8	0.2	0.3	1.3	3.0	3.6	6.6	(D)	(NA)	(NA)
249	Miscellaneous wood products --	E1	36	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	4.4
2499	Wood products, n.e.c. -----	E1	35	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	4.4
25	Furniture and fixtures -	-	113	42	4.4	48.6	3.3	6.4	31.7	97.6	82.9	177.8	3.3	5.1	77.2
251	Household furniture -----	E1	62	21	1.8	16.9	1.4	2.7	11.7	32.8	38.9	71.7	(D)	2.8	43.1
2511	Wood household furniture --	E2	34	5	0.6	5.1	0.4	0.8	3.2	8.2	7.3	15.4	(D)	0.6	8.5
2512	Upholstered household furniture -----	-	13	8	0.4	3.5	0.3	0.6	2.8	6.0	6.8	12.7	(D)	0.5	4.9
2514	Metal household furniture --	E1	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2515	Mattresses and bedsprings --	-	11	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.8	17.8
2531	Public building and related furniture -----	-	4	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
254	Partitions and fixtures -----	E1	24	8	0.5	7.4	0.4	0.7	4.3	13.3	10.4	23.3	(D)	0.5	8.7
2541	Wood partitions and fixtures -	E2	20	5	0.4	5.7	0.3	0.6	3.5	9.1	8.5	17.6	(D)	BB	(D)
259	Miscellaneous furniture and fixtures -----	-	18	9	1.3	14.7	0.9	1.6	9.4	29.2	22.1	52.1	(D)	1.0	16.6
2591	Drapery hardware and blinds and shades -----	-	10	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2599	Furniture and fixtures, n.e.c. -	-	8	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
26	Paper and allied products -----	-	108	65	7.0	96.5	5.1	10.6	61.5	236.0	297.4	532.6	17.1	7.4	161.3
2621	Paper mills, except building paper -----	-	5	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2631	Paperboard mills -----	-	7	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
264	Miscellaneous converted paper products -----	-	38	16	1.7	22.0	1.3	2.7	15.9	82.5	90.8	171.2	3.6	1.6	50.5
2641	Paper coating and glazing --	-	10	4	0.3	3.5	0.2	0.4	2.1	8.1	9.3	17.1	0.6	(NA)	(NA)
2642	Envelopes -----	-	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2643	Bags, except textile bags --	E1	4	3	0.2	2.1	0.1	0.3	1.3	4.7	6.2	10.9	(D)	BB	(D)
2647	Sanitary paper products -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2649	Converted paper products, n.e.c. -----	-	10	6	0.4	3.5	0.3	0.5	2.0	10.6	11.4	20.9	0.4	AA	(D)
265	Paperboard containers and boxes -----	-	58	38	3.2	40.9	2.3	4.8	24.8	77.0	95.3	172.4	6.8	3.6	54.4
2651	Folding paperboard boxes --	-	24	17	1.5	18.4	1.1	2.2	11.8	34.3	31.0	65.5	2.0	1.7	26.9
2652	Setup paperboard boxes -----	-	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.3	2.7
2653	Corrugated and solid fiber boxes -----	-	25	16	1.4	18.9	1.0	1.9	10.5	35.7	55.6	91.1	4.7	1.4	20.5
27	Printing and publishing -----	-	852	196	19.6	246.3	11.8	22.1	133.0	504.8	283.1	791.5	27.0	19.6	352.5
2711	Newspapers -----	-	92	34	6.1	68.4	2.6	4.7	28.1	140.5	54.2	194.6	7.2	6.4	98.2
2721	Periodicals -----	E1	72	16	0.8	13.5	0.1	0.3	0.9	36.6	18.3	59.4	0.4	1.8	53.2
273	Books -----	-	50	9	0.6	9.1	0.1	0.3	1.1	24.7	10.5	34.6	1.5	0.8	15.4
2731	Book publishing -----	-	40	6	0.5	7.9	(Z)	0.1	0.2	22.2	7.9	29.6	1.3	BB	(D)
2741	Miscellaneous publishing -----	-	44	11	1.0	10.2	0.3	0.6	2.5	25.4	8.4	33.8	0.8	CC	(D)

See footnotes at end of table.

**Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.**

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
27	Printing and publishing—Con.														
275	Commercial printing	E1	470	87	7.7	99.5	6.1	11.3	68.5	186.2	127.9	313.5	10.3	6.8	110.8
2751	Commercial printing, letterpress	E2	234	18	1.6	19.1	1.3	2.4	13.8	39.7	32.8	72.3	2.2	EE	(D)
2752	Commercial printing, lithographic	-	215	65	5.7	76.6	4.5	8.3	51.8	139.5	92.0	231.2	7.5	4.2	71.0
2753	Engraving and plate printing ..	E2	13	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	2.9
2754	Commercial printing, gravure	-	8	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2761	Manifold business forms	-	16	11	0.9	12.4	0.7	1.4	9.1	31.1	41.5	72.5	3.9	0.8	20.1
278	Blankbooks and bookbinding ..	-	21	10	1.1	12.3	0.9	1.8	7.5	26.4	14.5	41.4	1.1	CC	(D)
2782	Blankbooks and looseleaf binders	-	9	4	0.9	9.4	0.7	1.3	5.2	21.4	12.7	34.7	0.9	CC	(D)
2789	Bookbinding and related work	E1	12	6	0.3	2.9	0.2	0.5	2.3	5.0	1.8	6.8	0.2	0.2	1.3
279	Printing trade services	E1	87	18	1.3	21.0	1.0	1.8	15.2	33.9	7.8	41.7	1.8	1.4	28.3
2791	Typesetting	E3	58	11	0.6	8.3	0.5	0.9	6.1	13.3	1.8	15.1	0.9	CC	(D)
2793	Photoengraving	E3	16	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.6	14.9
2795	Lithographic platemaking services	-	12	5	0.4	9.3	0.3	0.6	6.8	14.9	4.7	19.5	(D)	0.2	3.7
28	Chemicals and allied products	-	173	66	12.3	174.9	7.0	14.1	92.6	850.5	716.9	1 556.7	43.2	12.7	434.4
281	Industrial inorganic chemicals ..	-	12	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2819	Industrial inorganic chemicals, n.e.c.	-	5	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
282	Plastics materials and synthetics	-	14	9	1.2	19.4	0.9	1.8	12.8	90.5	118.0	207.2	5.5	EE	(D)
2821	Plastics materials and resins ..	-	10	6	1.0	16.4	0.7	1.5	10.7	75.9	107.6	183.1	(D)	EE	(D)
2824	Organic fibers, noncellulosic ..	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
283	Drugs	-	21	9	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.3	46.0
2833	Medicinals and botanicals	-	2	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2834	Pharmaceutical preparations ..	-	16	6	1.0	13.2	0.5	0.9	4.7	44.3	23.2	68.3	0.6	EE	(D)
284	Soaps, cleaners, and toilet goods	-	37	10	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.4	213.1
2842	Polishes and sanitation goods	E1	15	3	0.2	2.5	0.1	0.2	1.2	12.3	10.0	22.3	0.3	CC	(D)
2844	Toilet preparations	-	16	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
2851	Paints and allied products	-	21	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	4.9
286	Industrial organic chemicals	-	16	9	1.4	24.2	0.7	1.5	11.7	72.1	120.8	185.6	5.0	4.7	58.7
2865	Cyclic crudes and intermediates	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2869	Industrial organic chemicals, n.e.c.	-	13	8	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
287	Agricultural chemicals	-	7	4	0.3	2.7	0.2	0.4	1.5	9.8	13.1	22.9	(D)	(NA)	(NA)
2879	Agricultural chemicals, n.e.c. ..	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
289	Miscellaneous chemical products	-	45	18	1.3	20.1	0.6	1.3	7.3	69.9	56.4	124.0	4.4	1.7	42.7
2891	Adhesives and sealants	-	10	4	0.2	4.1	0.2	0.3	2.5	26.5	20.2	45.2	(D)	0.5	14.8
2892	Explosives	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2899	Chemical preparations, n.e.c.	-	29	12	0.7	10.6	0.3	0.7	2.7	37.4	29.4	66.4	2.3	0.8	22.7
29	Petroleum and coal products	-	33	4	0.6	10.9	0.5	1.1	7.7	26.0	45.7	73.3	1.9	BB	(D)
295	Paving and roofing materials	-	23	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2951	Paving mixtures and blocks	-	21	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
30	Rubber and miscellaneous plastics products	-	255	110	13.2	156.4	9.6	19.2	96.1	294.7	336.2	626.9	32.3	15.2	233.7
3011	Tires and inner tubes	-	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3021	Rubber and plastics footwear ..	-	2	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3041	Rubber and plastics hose and belting	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3069	Fabricated rubber products, n.e.c.	-	42	20	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3079	Miscellaneous plastics products	-	207	86	7.4	79.5	5.6	11.0	50.4	160.7	186.1	350.1	26.7	5.7	82.1
31	Leather and leather products	-	33	12	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.7	17.5
314	Footwear, except rubber	E2	8	5	0.3	2.2	0.3	0.5	1.7	3.1	2.9	6.1	(D)	CC	(D)
3144	Women's footwear, except athletic	-	3	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
317	Handbags and other personal leather goods	-	13	7	1.1	8.1	1.0	1.9	6.3	12.4	12.4	24.8	(D)	1.1	11.6
3171	Women's handbags and purses	-	7	6	1.1	7.8	1.0	1.8	6.1	11.7	12.1	23.8	(D)	EE	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]															
SIC code	Industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
32	Stone, clay, and glass products -----	-	207	59	5.7	68.8	4.5	8.7	49.2	145.1	124.5	270.0	8.3	7.8	140.8
322	Glass and glassware, pressed or blown -----	-	10	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3221	Glass containers -----	-	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3231	Products of purchased glass ---	-	20	10	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.7	10.5
326	Pottery and related products ---	-	11	5	0.6	7.7	0.5	1.0	6.4	17.7	9.1	27.0	0.6	0.6	11.3
3261	Vitreous plumbing fixtures ---	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
327	Concrete, gypsum, and plaster products -----	E1	111	23	1.6	22.0	1.1	2.2	13.3	43.4	47.9	91.2	3.1	2.1	46.9
3271	Concrete block and brick ---	-	14	3	0.2	2.8	0.1	0.2	1.3	5.7	6.5	12.3	0.2	BB	(D)
3272	Concrete products, n.e.c. ---	E1	53	9	0.8	9.9	0.6	1.1	6.1	19.1	16.5	35.5	1.2	1.0	20.9
3273	Ready-mixed concrete -----	E1	44	11	0.6	9.2	0.5	0.9	5.9	18.7	24.8	43.4	1.7	0.7	18.3
329	Miscellaneous nonmetallic mineral products -----	-	39	17	1.3	15.8	1.0	1.9	10.2	33.7	25.7	59.2	1.7	3.1	54.9
3291	Abrasive products -----	-	9	5	0.4	5.4	0.2	0.5	3.3	13.5	14.6	27.8	0.7	CC	(D)
3293	Gaskets, packing, and sealing devices -----	-	13	8	0.6	6.4	0.5	1.0	3.9	9.8	6.0	15.8	0.5	CC	(D)
33	Primary metal industries -----	-	229	122	20.0	292.2	15.1	31.0	200.7	615.3	1 061.6	1 662.0	39.8	22.4	454.9
331	Blast furnace and basic steel products -----	-	33	24	4.6	78.3	3.5	6.9	53.3	190.7	274.2	461.0	14.8	4.0	97.5
3312	Blast furnaces and steel mills -----	-	7	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3315	Steel wire and related products -----	-	15	13	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.4	30.3
3316	Cold finishing of steel shapes -----	-	10	9	2.1	39.1	1.5	3.0	25.2	105.9	135.7	240.4	7.1	EE	(D)
332	Iron and steel foundries -----	-	21	17	2.3	30.1	1.9	3.8	21.7	58.3	34.0	92.1	4.1	2.1	30.3
3321	Gray iron foundries -----	-	12	10	1.3	15.4	1.0	2.1	10.8	28.0	20.7	48.8	2.6	0.9	11.8
3322	Malleable iron foundries -----	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3324	Steel investment foundries ---	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3325	Steel foundries, n.e.c. -----	-	5	3	0.5	7.8	0.4	0.8	5.7	16.3	6.4	22.6	(D)	0.4	6.1
3341	Secondary nonferrous metals ---	E5	8	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
335	Nonferrous rolling and drawing ---	E1	63	44	10.3	148.3	7.6	15.8	101.0	298.2	659.4	947.4	14.9	13.5	278.8
3351	Copper rolling and drawing ---	-	18	16	4.3	67.9	3.3	7.1	51.2	149.2	329.0	472.0	4.4	7.4	154.8
3353	Aluminum sheet, plate, and foil -----	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3356	Nonferrous rolling and drawing, n.e.c. -----	E5	6	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3357	Nonferrous wire drawing and insulating -----	-	34	21	5.0	64.6	3.5	7.0	38.6	108.0	184.9	290.6	8.5	5.0	90.4
336	Nonferrous foundries -----	-	55	17	1.5	18.9	1.2	2.5	13.6	33.0	34.1	67.3	1.9	1.9	27.3
3361	Aluminum foundries -----	-	22	3	0.7	9.6	0.6	1.2	7.7	15.7	16.0	31.9	0.9	1.2	17.9
3362	Brass, bronze, and copper foundries -----	E1	17	6	0.2	2.7	0.2	0.4	1.8	4.9	4.9	9.8	0.4	0.4	3.6
3369	Nonferrous foundries, n.e.c. ---	-	16	8	0.5	6.6	0.4	0.9	4.1	12.4	13.2	25.6	0.6	0.3	5.8
339	Miscellaneous primary metal products -----	E2	48	17	1.0	13.1	0.8	1.7	9.1	31.4	26.0	56.8	3.3	CC	(D)
3398	Metal heat treating -----	E2	32	10	0.5	6.4	0.4	0.9	4.3	14.5	7.3	21.7	0.9	CC	(D)
3399	Primary metal products, n.e.c. -----	E1	16	7	0.5	6.7	0.4	0.8	4.7	16.9	18.7	35.1	2.4	0.2	7.3
34	Fabricated metal products -----	-	1 007	418	49.8	618.6	37.1	75.0	398.6	1 300.0	943.1	2 229.7	69.3	53.9	922.3
341	Metal cans and shipping containers -----	-	5	4	0.6	8.3	0.4	0.9	5.5	19.1	24.9	43.3	(D)	CC	(D)
3411	Metal cans -----	-	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
342	Cutlery, hand tools, and hardware -----	-	93	53	13.0	159.0	9.4	18.5	102.8	409.7	206.6	613.1	18.3	16.3	317.4
3421	Cutlery -----	-	10	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3423	Hand and edge tools, n.e.c. ---	-	24	16	2.4	32.0	1.6	3.2	18.1	91.6	44.7	139.2	4.9	3.7	86.7
3425	Hand saws and saw blades ---	-	3	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3429	Hardware, n.e.c. -----	-	56	28	8.3	98.0	6.1	11.8	65.5	218.3	122.0	333.1	7.9	9.8	149.9
343	Plumbing and heating, except electric -----	E2	29	12	1.2	13.8	0.9	1.6	7.1	30.6	36.7	66.5	(D)	1.2	21.2
3432	Plumbing fittings and brass goods -----	E3	6	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3433	Heating equipment, except electric -----	-	21	7	0.5	7.4	0.3	0.7	3.1	14.1	17.3	31.2	0.6	0.6	11.8
344	Fabricated structural metal products -----	E1	161	51	3.9	51.5	2.7	5.4	31.8	102.9	112.2	210.6	3.5	5.1	78.2
3441	Fabricated structural metal ---	E1	34	11	0.8	12.4	0.6	1.3	7.4	20.1	17.0	37.0	1.0	0.9	17.5
3442	Metal doors, sash, and trim ---	-	19	8	0.4	4.7	0.3	0.5	2.7	11.6	11.7	23.4	0.4	EE	(D)
3443	Fabricated plate work (boiler shops) -----	E1	26	11	0.9	11.7	0.6	1.2	7.2	22.1	38.0	58.9	0.7	1.4	21.2
3444	Sheet metal work -----	E2	56	15	0.9	11.1	0.6	1.2	6.9	26.1	22.8	44.1	0.9	0.9	12.4
3446	Architectural metal work ---	-	18	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.8	13.3
3449	Miscellaneous metal work -----	-	4	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

(Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B)

SIC code	Industry	1977											1972		
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
34	Fabricated metal products—Con.														
345	Screw machine products, bolts, etc.	-	223	83	7.0	88.7	5.3	11.2	55.9	174.9	117.6	290.7	9.8	6.8	119.3
3451	Screw machine products	E1	167	57	3.6	39.4	3.0	6.1	28.1	64.8	46.8	110.9	4.5	3.2	43.8
3452	Bolts, nuts, rivets, and washers	-	56	26	3.5	49.3	2.4	5.2	27.8	110.1	70.8	179.8	5.3	3.7	75.4
346	Metal forgings and stampings ..	-	145	75	6.5	78.8	5.2	10.6	55.8	152.0	130.2	279.2	14.9	5.0	79.4
3462	Iron and steel forgings	-	8	6	0.5	6.7	0.5	0.8	4.6	14.9	13.7	28.4	0.4	BB	(D)
3463	Nonferrous forgings	-	4	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3466	Crowns and closures	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3469	Metal stampings, n.e.c.	E1	130	64	5.2	61.3	4.1	8.6	44.3	117.0	101.6	216.1	12.2	3.3	52.2
347	Metal services, n.e.c.	-	146	45	3.0	33.5	2.4	4.8	21.8	66.4	34.4	100.6	4.1	2.5	37.4
3471	Plating and polishing	-	101	33	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.2	32.7
3479	Metal coating and allied services	-	45	12	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.3	4.7
348	Ordinance and accessories, n.e.c.	-	24	15	6.9	95.3	4.9	10.3	60.9	163.0	135.6	299.3	5.9	FF	(D)
3482	Small arms ammunition	-	3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3484	Small arms	-	20	12	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
349	Miscellaneous fabricated metal products	-	181	80	7.7	89.7	5.8	11.5	57.0	181.5	144.8	326.3	10.9	8.7	138.7
3493	Steel springs, except wire	-	5	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3494	Valves and pipe fittings	E1	26	13	2.0	25.4	1.3	2.7	14.8	63.6	42.6	104.9	3.3	1.9	33.3
3495	Wire springs	-	33	22	1.5	15.0	1.2	2.4	10.3	27.2	16.8	43.9	1.6	1.8	24.0
3496	Miscellaneous fabricated wire products	-	24	11	0.8	9.3	0.6	1.2	5.5	14.6	18.9	34.6	1.2	1.3	22.0
3497	Metal foil and leaf	E1	5	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3499	Fabricated metal products, n.e.c.	E1	79	30	2.7	29.4	2.2	4.2	19.7	54.4	51.1	106.9	4.2	2.7	41.3
35	Machinery, except electrical	-	1 341	313	56.7	816.2	38.5	79.7	490.1	1 633.3	900.5	2 495.6	70.2	51.7	925.8
351	Engines and turbines	-	10	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3511	Turbines and turbine generator sets	-	6	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3519	Internal combustion engines, n.e.c.	-	4	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
352	Farm and garden machinery	-	7	3	0.3	4.2	0.3	0.5	3.1	10.3	10.0	19.2	(D)	AA	(D)
3523	Farm machinery and equipment	-	6	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
353	Construction and related machinery	E1	28	9	0.5	6.9	0.4	0.7	3.8	14.5	12.4	26.5	0.5	0.5	10.7
3531	Construction machinery	-	9	5	0.3	4.1	0.2	0.4	2.2	9.5	7.9	17.3	0.2	0.2	4.0
354	Metalworking machinery	-	499	109	13.3	193.1	9.3	19.1	123.0	366.7	199.1	553.0	17.7	11.6	208.4
3541	Machine tools, metal cutting types	-	46	18	4.6	69.5	3.1	6.6	44.9	148.0	95.2	234.3	5.4	3.1	62.5
3542	Machine tools, metal forming types	-	24	10	1.8	27.9	1.1	2.1	14.0	49.7	26.6	71.9	2.2	1.8	29.1
3544	Special dies, tools, jigs, and fixtures	E2	294	47	3.1	44.2	2.5	5.0	31.8	68.1	25.3	92.6	(D)	3.0	52.0
3545	Machine tool accessories	-	99	25	2.6	35.6	1.8	3.8	22.1	68.1	28.4	97.3	2.6	3.1	55.0
3547	Rolling mill machinery	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3549	Metalworking machinery, n.e.c.	E1	29	6	0.7	8.8	0.5	1.0	5.6	17.6	13.2	31.7	0.9	BB	(D)
355	Special industry machinery	-	81	27	5.4	82.1	3.3	6.9	43.6	161.9	117.9	277.4	5.0	5.6	112.8
3551	Food products machinery	-	7	3	0.8	11.1	0.5	0.9	6.0	21.2	12.0	33.4	(D)	0.6	10.8
3552	Textile machinery	-	8	4	0.3	3.0	0.2	0.4	2.1	4.5	6.0	10.6	0.4	(NA)	(NA)
3555	Printing trades machinery	-	14	5	1.1	18.6	0.6	1.5	8.6	42.5	24.3	65.3	(D)	EE	(D)
3559	Special industry machinery, n.e.c.	-	46	13	3.2	48.2	1.9	3.9	25.9	89.7	73.7	162.6	2.2	3.5	69.9
356	General industrial machinery	-	127	53	18.0	253.6	13.6	27.7	177.9	516.0	277.5	783.0	14.4	16.2	290.9
3561	Pumps and pumping equipment	E1	7	2	0.3	4.9	0.2	0.4	1.8	8.3	11.5	19.6	0.8	BB	(D)
3562	Ball and roller bearings	-	16	12	11.5	165.9	9.4	19.1	131.8	318.2	142.8	454.1	7.2	FF	(D)
3563	Air and gas compressors	-	8	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3564	Blowers and fans	-	8	4	1.0	12.1	0.7	1.6	7.8	24.8	20.0	45.3	1.1	CC	(D)
3566	Speed changers, drives, and gears	E5	9	4	0.4	4.0	0.3	0.5	2.1	12.4	5.4	17.7	0.3	BB	(D)
3567	Industrial furnaces and ovens	-	8	4	0.5	6.0	0.3	0.6	3.5	12.6	9.0	21.3	0.4	0.2	3.9
3568	Power transmission equipment, n.e.c.	-	7	6	0.9	12.1	0.7	1.6	8.6	24.2	11.3	34.0	0.7	CC	(D)
3569	General industrial machinery, n.e.c.	-	45	17	2.5	32.3	1.4	3.0	14.8	78.9	58.6	136.7	2.9	1.3	24.0
357	Office and computing machines	-	38	19	8.5	130.0	3.6	7.1	40.1	275.3	126.6	402.6	13.6	8.6	154.7
3573	Electronic computing equipment	-	23	11	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3579	Office machines, n.e.c. and typewriters	-	9	6	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	6.2	103.1

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
35	Machinery, except electrical—Con.														
358	Refrigeration and service machinery -----	-	30	10	1.6	20.2	1.1	2.1	11.3	49.0	52.3	99.2	1.7	1.4	28.8
3581	Automatic merchandising machines -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3585	Refrigeration and heating equipment -----	-	12	5	0.7	9.2	0.4	0.8	5.0	23.2	18.7	41.7	(D)	CC	(D)
3589	Service industry machinery, n.e.c. -----	-	14	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
359	Miscellaneous machinery, except electrical -----	E2	521	78	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	5.3	76.1
3599	Machinery, except electrical, n.e.c. -----	E2	520	78	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
36	Electric and electronic equipment -----	-	423	206	39.2	480.6	26.3	52.5	260.4	1 064.8	808.9	1 844.1	58.1	40.7	715.0
361	Electric distributing equipment -----	-	31	13	4.6	60.9	3.1	5.9	34.4	137.3	149.9	280.2	4.6	5.0	94.8
3613	Switchgear and switchboard apparatus -----	-	26	13	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
362	Electrical industrial apparatus -----	-	56	26	3.8	46.8	2.3	4.8	24.1	80.5	72.4	153.9	3.2	4.0	44.8
3621	Motors and generators -----	-	9	6	1.7	21.5	1.0	2.0	10.2	35.8	41.1	78.9	1.7	EE	(D)
3622	Industrial controls -----	E1	32	15	1.8	22.0	1.1	2.3	11.6	38.2	25.9	63.1	1.3	EE	(D)
3629	Electrical industrial apparatus, n.e.c. -----	E2	5	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
363	Household appliances -----	-	15	9	3.5	40.1	2.6	5.0	25.2	137.1	81.0	215.9	4.5	4.9	109.8
3634	Electric housewares and fans -----	-	9	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3635	Household vacuum cleaners -----	-	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3636	Sewing machines -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
364	Electric lighting and wiring equipment -----	-	55	32	6.3	76.5	4.6	9.3	48.6	174.0	107.2	277.1	4.9	8.2	147.5
3643	Current-carrying wiring devices -----	-	17	11	3.5	44.2	2.4	4.9	27.7	92.3	48.8	141.3	1.8	6.2	112.8
3644	Noncurrent-carrying wiring devices -----	-	9	4	1.6	19.6	1.3	2.7	13.4	48.3	27.2	73.0	1.7	1.3	22.0
3645	Residential lighting fixtures -----	E1	15	7	0.4	3.3	0.4	0.7	2.7	8.5	9.4	17.6	0.5	0.2	2.7
3648	Lighting equipment, n.e.c. -----	E1	5	5	0.4	5.5	0.2	0.4	2.6	13.2	11.0	23.4	0.5	BB	(D)
365	Radio and TV receiving equipment -----	-	18	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	2.6
3651	Radio and TV receiving sets -----	-	10	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
366	Communication equipment -----	-	68	35	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	9.2	179.8
3661	Telephone and telegraph apparatus -----	-	9	5	1.0	13.3	0.6	1.1	5.4	27.0	19.7	46.0	(D)	1.0	13.0
3662	Radio and TV communication equipment -----	-	59	30	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	8.3	166.7
367	Electronic components and accessories -----	E1	137	64	8.7	90.9	6.6	13.3	58.4	189.0	138.4	327.5	17.0	7.4	111.4
3674	Semiconductors and related devices -----	-	13	6	0.7	8.2	0.5	1.0	3.4	11.9	10.6	23.1	2.4	0.4	6.7
3675	Electronic capacitors -----	E2	8	6	1.3	11.2	1.0	1.9	7.3	17.8	11.9	29.2	1.8	EE	(D)
3677	Electronic coils and transformers -----	-	6	4	0.4	2.9	0.4	0.7	2.2	4.4	4.1	8.5	(D)	0.4	2.8
3678	Electronic connectors -----	-	8	7	1.7	19.4	1.3	2.6	14.4	48.6	29.0	77.4	3.8	1.5	31.8
3679	Electronic components, n.e.c. -----	E1	95	40	4.4	47.5	3.4	6.9	30.1	103.3	81.3	184.7	8.8	3.1	42.8
369	Miscellaneous electrical equipment and supplies -----	-	43	22	4.8	62.4	2.9	5.8	29.3	171.0	136.8	297.9	6.6	1.8	24.3
3691	Storage batteries -----	-	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3693	X-ray, electromedical, and electrotherapeutic apparatus -----	-	14	9	2.9	42.0	1.6	3.1	17.7	126.4	94.3	212.0	5.8	(NA)	(NA)
3694	Engine electrical equipment -----	-	5	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3699	Electrical equipment and supplies, n.e.c. -----	E3	20	7	0.5	4.3	0.4	0.9	2.7	8.3	9.3	17.6	0.2	0.3	4.1
37	Transportation equipment -----	-	169	78	79.5	1 315.5	46.4	93.0	641.0	2 340.7	1 679.3	3 979.4	112.9	69.4	1 162.1
371	Motor vehicles and equipment -----	-	36	14	5.3	63.9	4.1	8.1	46.1	162.5	138.4	299.9	(D)	2.2	41.6
3714	Motor vehicle parts and accessories -----	-	23	13	5.3	62.9	4.1	8.0	45.6	161.1	135.7	295.8	(D)	EE	(D)
372	Aircraft and parts -----	-	78	52	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3721	Aircraft -----	-	6	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3724	Aircraft engines and engine parts -----	-	40	34	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3728	Aircraft equipment, n.e.c. -----	-	32	15	7.6	134.9	3.7	7.8	56.5	221.3	103.8	316.7	9.0	FF	(D)
373	Ship and boat building and repairing -----	-	42	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3731	Ship building and repairing -----	-	5	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3732	Boat building and repairing -----	E1	37	5	0.5	5.2	0.4	0.7	3.7	10.1	8.4	18.9	0.2	0.4	7.1
3751	Motorcycles, bicycles, and parts -----	E1	6	3	0.2	2.5	0.2	0.4	1.7	5.1	4.2	9.2	(D)	BB	(D)
376	Guided missiles, space vehicles, parts -----	-	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3769	Space vehicle equipment, n.e.c. -----	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977												1972	
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
38	Instruments and related products -----	-	209	108	21.1	273.8	12.9	25.1	124.6	633.2	519.9	1 145.0	22.0	18.9	369.4
3811	Engineering and scientific instruments -----	-	27	9	1.0	13.2	0.6	1.1	6.2	31.8	16.3	45.5	(D)	1.1	16.5
382	Measuring and controlling devices -----	-	83	50	7.6	99.9	4.4	8.5	44.7	197.9	96.3	289.2	6.3	5.7	78.9
3822	Environmental controls -----	-	5	4	0.6	6.6	0.4	0.8	4.0	10.7	5.7	16.9	0.4	CC	(D)
3823	Process control instruments -	-	21	13	2.7	37.3	1.4	2.6	15.9	83.2	24.7	102.9	1.5	EE	(D)
3824	Fluid meters and counting devices -----	-	7	6	1.3	16.5	0.8	1.6	7.1	24.1	19.2	43.5	1.6	EE	(D)
3825	Instruments to measure electricity -----	-	20	11	1.0	12.6	0.6	1.3	5.6	24.8	13.5	39.8	0.9	1.1	14.2
3829	Measuring and controlling devices, n.e.c. -----	-	29	16	2.0	26.8	1.1	2.2	12.1	55.1	33.2	86.1	1.9	1.1	16.4
3832	Optical instruments and lenses -----	-	15	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
384	Medical instruments and supplies -----	E1	53	26	4.3	47.5	3.2	6.7	30.6	134.7	87.4	220.3	9.9	3.8	70.3
3841	Surgical and medical instruments -----	-	23	10	1.9	19.7	1.4	3.0	13.3	60.2	27.2	88.2	6.3	1.8	37.1
3842	Surgical appliances and supplies -----	-	24	13	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3843	Dental equipment and supplies -----	E0	6	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3851	Ophthalmic goods -----	-	6	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3861	Photographic equipment and supplies -----	-	13	6	0.4	5.4	0.3	0.6	3.4	22.0	17.0	39.4	0.4	CC	(D)
3873	Watches, clocks, and watchcases -----	-	12	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	4.5	81.9
39	Miscellaneous manufacturing industries -----	-	252	88	13.0	148.4	9.8	18.5	94.2	366.8	249.4	608.7	25.0	14.2	233.4
391	Jewelry, silverware, and plated ware -----	-	37	13	2.3	26.8	1.8	3.4	18.3	62.3	55.8	113.3	(D)	FF	(D)
3911	Jewelry, precious metal -----	-	15	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3914	Silverware and plated ware --	-	19	10	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3931	Musical instruments -----	-	14	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
394	Toys and sporting goods -----	-	45	15	1.2	11.7	0.9	1.6	6.9	27.3	19.0	46.2	(D)	1.3	18.3
3944	Games, toys, and children's vehicles -----	E2	17	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3949	Sporting and athletic goods, n.e.c. -----	-	25	8	0.9	8.6	0.6	1.1	4.9	19.9	14.0	33.7	(D)	0.9	12.5
395	Pens, pencils, office and art supplies -----	-	21	8	2.3	32.0	1.6	3.3	19.2	117.5	53.7	168.4	(D)	EE	(D)
3951	Pens and mechanical pencils -----	-	6	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3952	Lead pencils and art goods --	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3955	Carbon paper and inked ribbons -----	-	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
396	Costume jewelry and notions --	-	47	28	5.1	56.3	3.9	7.4	36.4	116.7	84.0	201.1	(D)	5.6	85.6
3961	Costume jewelry -----	-	12	5	1.9	21.4	1.5	2.9	14.2	41.5	24.1	65.9	1.6	EE	(D)
3963	Buttons -----	-	5	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3964	Needles, pins, and fasteners -----	-	28	19	2.8	31.3	2.1	4.0	19.9	68.0	52.4	120.6	3.6	3.4	56.6
399	Miscellaneous manufactures ---	E1	118	19	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.0	25.9
3993	Signs and advertising displays -----	E1	50	6	0.5	5.1	0.4	0.6	2.8	10.8	9.1	19.7	(D)	0.7	9.5
3999	Manufacturing industries, n.e.c. -----	E2	59	10	0.8	7.3	0.6	1.0	4.6	16.6	13.3	30.2	0.6	0.7	10.3
--	Administrative and auxiliary -----	-	246	165	34.6	766.1	-	-	-	-	-	-	-	(NA)	(NA)

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Statistics for some industry groups and industries are withheld to avoid disclosing figures for individual companies. However, for such industry groups and industries with 150 employees or more, number of establishments is shown and employment size range is indicated by one of the following symbols: AA—150 to 249 employees; BB—250 to 499 employees; CC—500 to 999 employees; EE—1,000 to 2,499 employees; FF—2,500 employees or more. Statistics for industry groups shown include data for all component industries, regardless of whether data are shown for individual industries in the group.

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SMSA's, see appendix A. For explanation of terms, see appendix B.

SIC code	SMSA and industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	New York-Newark-Jersey City, N.Y.-N.J.-Conn., SCSA -	-	41 325	13 366	1 502.0	20 379.2	919.2	1 747.6	9 319.5	40 638.1	44 236.4	84 486.0	1 949.6	1 694.5	29 668.0
20	Food and kindred products --	-	1 462	504	64.5	916.6	44.2	88.4	555.6	2 916.9	5 304.8	8 229.1	(D)	86.7	2 427.6
275	Commercial printing -----	E2	3 387	475	40.6	575.5	30.8	57.2	391.7	1 073.9	757.7	1 828.8	(D)	(NA)	(NA)
28	Chemicals and allied products -----	-	1 494	597	102.9	1 622.1	59.9	119.2	770.7	7 056.1	5 326.2	12 313.1	468.2	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	E1	1 285	545	47.4	516.6	37.2	73.8	337.4	1 163.5	1 238.9	2 381.6	90.5	48.0	763.8
347	Metal services, n.e.c. -----	E1	543	129	8.5	84.4	7.0	13.7	57.3	155.8	114.0	266.8	(D)	(NA)	(NA)
	Bridgeport SMSA -----	-	973	354	60.0	884.7	38.1	76.5	450.6	1 714.2	1 415.5	3 102.0	110.2	63.7	1 137.6
20	Food and kindred products --	-	34	12	1.2	15.1	0.6	1.3	6.7	34.8	54.2	88.5	2.2	1.4	21.0
202	Dairy products -----	-	7	3	0.3	3.7	0.1	0.2	0.9	7.8	23.2	30.8	0.3	0.4	5.8
205	Bakery products -----	-	14	4	0.6	7.6	0.4	0.7	4.4	18.6	16.0	34.5	(D)	0.6	7.8
2051	Bread, cake, and related products -----	-	14	4	0.6	7.6	0.4	0.7	4.4	18.6	16.0	34.5	(D)	0.6	7.8
22	Textile mill products -----	-	9	6	1.4	15.3	1.2	2.5	12.8	28.1	38.0	65.7	4.1	1.6	26.3
23	Apparel and other textile products -----	E1	49	28	1.6	11.2	1.4	2.5	8.8	18.1	13.3	31.7	0.2	2.4	17.1
233	Women's and misses' outerwear -----	-	18	14	0.8	5.5	0.8	1.3	4.8	7.4	1.7	9.1	0.1	1.1	6.3
26	Paper and allied products ---	E1	15	7	0.6	7.4	0.4	0.8	4.2	15.8	16.5	32.5	(D)	0.6	10.4
265	Paperboard containers and boxes -----	E1	9	5	0.5	6.2	0.3	0.6	3.4	13.0	12.0	25.3	(D)	(NA)	(NA)
27	Printing and publishing -----	E1	116	21	2.2	29.9	1.3	2.5	17.0	55.0	32.9	87.7	5.0	2.2	37.1
275	Commercial printing -----	E1	68	10	0.9	13.1	0.7	1.4	8.2	24.6	21.3	45.6	2.2	1.0	17.6
2752	Commercial printing, lithographic -----	-	29	8	0.7	10.1	0.5	1.0	6.1	19.1	17.8	36.7	1.9	0.6	12.7
279	Printing trade services -----	-	21	4	0.3	4.5	0.2	0.3	3.2	8.3	3.5	11.9	(D)	0.3	5.6
28	Chemicals and allied products -----	-	23	8	0.7	8.4	0.5	1.0	4.9	25.3	26.0	50.8	0.7	0.8	11.1
30	Rubber and miscellaneous plastics products -----	-	56	22	2.7	31.9	2.1	4.2	22.1	71.6	63.5	134.3	18.8	3.5	61.4
3079	Miscellaneous plastics products -----	-	42	16	1.9	21.5	1.5	3.0	15.4	50.4	47.8	97.2	18.3	1.3	18.5
32	Stone, clay, and glass products -----	E1	27	5	0.5	6.4	0.4	0.7	4.5	15.3	10.7	25.7	0.9	2.2	42.7
33	Primary metal industries ----	E2	32	16	3.9	61.6	2.9	6.1	42.7	129.9	311.6	434.1	7.6	3.9	92.3
34	Fabricated metal products ---	-	140	65	8.8	110.0	6.4	12.8	70.7	257.6	147.2	404.8	15.3	10.1	198.5
342	Cutlery, hand tools, and hardware -----	-	19	14	2.9	35.2	2.2	4.4	23.9	109.3	46.1	154.1	5.4	3.6	89.8
3423	Hand and edge tools, n.e.c. -----	-	3	3	0.3	3.8	0.3	0.6	2.8	6.8	4.9	11.4	(D)	(NA)	(NA)
3429	Hardware, n.e.c. -----	-	11	7	1.0	11.5	0.8	1.4	7.7	26.8	20.6	44.2	(D)	1.0	14.3
344	Fabricated structural metal products -----	-	24	8	0.5	6.5	0.4	0.7	4.3	10.6	10.4	21.5	0.4	0.5	8.4
345	Screw machine products, bolts, etc. -----	-	24	9	0.9	13.9	0.7	1.3	7.1	27.6	15.7	44.4	0.8	0.9	23.8
3451	Screw machine products -----	-	14	4	0.3	3.3	0.2	0.4	2.2	4.7	2.9	7.6	0.1	0.3	3.8
3452	Bolts, nuts, rivets, and washers -----	-	10	5	0.6	10.6	0.5	0.9	4.9	22.9	12.8	36.8	0.6	0.7	20.1
346	Metal forgings and stampings -----	E2	15	8	0.7	6.3	0.4	0.8	4.3	15.8	7.8	21.5	(D)	0.7	9.5
347	Metal services, n.e.c. -----	-	30	11	0.8	8.3	0.7	1.4	5.9	13.8	6.7	20.4	0.4	0.7	8.9
3471	Plating and polishing -----	-	22	10	0.6	6.7	0.5	1.1	4.8	11.6	5.2	16.8	0.3	0.7	8.8
349	Miscellaneous fabricated metal products -----	-	20	10	1.0	12.9	0.8	1.6	8.5	30.1	20.6	50.9	1.3	1.4	23.7
35	Machinery, except electrical -	-	232	51	7.6	115.4	5.1	10.7	67.6	258.7	131.6	385.8	9.0	7.4	161.3
354	Metalworking machinery ---	-	105	23	3.7	58.1	2.8	6.1	42.5	120.3	76.5	190.9	(D)	3.6	74.7
3541	Machine tools, metal cutting types -----	-	8	3	2.1	34.0	1.6	3.6	25.5	79.4	55.1	128.8	3.2	1.9	40.3
3542	Machine tools, metal forming types -----	-	5	4	0.4	6.4	0.3	0.5	4.2	11.3	5.3	16.0	(D)	0.5	9.5
3544	Special dies, tools, jigs, and fixtures -----	E2	73	10	0.6	10.5	0.5	1.2	8.0	15.0	5.9	20.8	1.8	0.9	16.4
3545	Machine tool accessories -----	-	13	4	0.3	3.5	0.2	0.5	2.2	8.3	5.2	13.6	0.4	(NA)	(NA)
356	General industrial machinery -----	-	18	6	0.8	11.3	0.5	1.1	6.7	25.5	15.0	40.6	0.4	0.9	13.0
359	Miscellaneous machinery, except electrical -----	E2	81	11	0.7	8.7	0.5	1.0	5.7	14.5	7.6	22.0	(D)	0.7	8.7
3599	Machinery, except electrical, n.e.c. -----	E2	81	11	0.7	8.7	0.5	1.0	5.7	14.5	7.6	22.0	(D)	0.7	8.7

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials² (million dollars)	Value of shipments² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Bridgeport SMSA—Con.														
36	Electric and electronic equipment -----	-	66	31	7.5	91.4	5.5	10.8	56.8	224.4	191.3	407.9	8.7	(NA)	(NA)
364	Electric lighting and wiring equipment -----	-	12	9	2.4	30.4	1.8	3.5	20.4	71.8	42.0	112.3	1.6	3.9	76.0
366	Communication equipment -----	E1	7	2	0.3	3.4	0.2	0.3	1.9	8.5	5.2	13.6	0.2	(NA)	(NA)
3662	Radio and TV communication equipment -----	E1	7	2	0.3	3.4	0.2	0.3	1.9	8.5	5.2	13.6	0.2	(NA)	(NA)
367	Electronic components and accessories -----	E1	24	13	2.0	20.8	1.6	3.0	14.2	37.8	25.7	64.2	4.2	1.2	22.0
37	Transportation equipment ---	-	27	14	11.8	204.8	6.3	12.8	88.3	385.4	273.6	652.7	(D)	12.2	200.9
38	Instruments and related products -----	-	31	18	3.2	41.6	1.8	3.4	21.0	79.7	43.0	122.4	2.5	2.6	43.6
3811	Engineering and scientific instruments --	E1	5	2	0.3	2.2	0.1	0.1	0.7	2.9	2.8	4.7	(D)	(NA)	(NA)
382	Measuring and controlling devices -----	-	10	9	2.4	33.3	1.4	2.6	16.6	63.4	34.1	98.1	1.9	2.1	37.4
3822	Environmental controls --	-	4	3	0.6	5.9	0.4	0.7	3.4	9.4	5.0	14.9	0.4	(NA)	(NA)
384	Medical instruments and supplies -----	-	12	4	0.4	4.5	0.2	0.5	2.7	10.2	4.3	14.6	0.3	0.3	4.1
39	Miscellaneous manufacturing industries ---	-	47	13	2.2	28.9	1.7	3.4	18.4	107.8	45.3	151.8	(D)	1.7	50.1
-	Administrative and auxiliary --	-	32	24	3.4	99.6	-	-	-	-	-	-	-	(NA)	(NA)
	Bristol SMSA -----	-	166	57	10.2	147.4	8.1	15.9	105.8	259.2	170.0	420.3	9.5	9.3	160.3
33	Primary metal industries ----	-	11	5	0.9	13.3	0.7	1.2	8.6	24.4	40.7	64.6	(D)	(NA)	(NA)
34	Fabricated metal products ---	-	63	28	2.4	29.0	1.9	3.9	20.8	61.1	40.6	96.0	2.6	2.8	41.5
345	Screw machine products, bolts, etc. -----	E1	21	8	0.6	7.1	0.5	1.1	5.7	14.4	9.2	23.4	1.1	0.5	6.2
3451	Screw machine products -----	E1	16	4	0.4	4.7	0.4	0.8	3.8	8.3	3.0	11.0	(D)	0.4	4.3
346	Metal forgings and stampings -----	E1	14	5	0.4	4.1	0.3	0.6	2.9	5.4	6.0	11.4	0.2	0.3	3.6
35	Machinery, except electrical -	-	47	10	3.9	65.6	3.4	6.7	55.3	111.4	53.0	163.3	1.6	3.2	67.7
	Danbury SMSA -----	-	327	126	17.8	230.6	11.2	22.6	122.6	566.7	452.1	1 016.8	25.5	14.6	344.2
20	Food and kindred products --	-	12	3	0.6	7.6	0.5	1.0	5.7	36.3	31.6	68.5	0.2	(NA)	(NA)
27	Printing and publishing -----	E4	36	8	0.7	8.2	0.4	0.7	4.0	17.9	10.5	28.4	1.1	0.5	8.8
2711	Newspapers -----	E1	4	3	0.3	3.1	0.1	0.2	1.0	7.8	2.3	10.1	(D)	(NA)	(NA)
28	Chemicals and allied products -----	E2	13	4	0.3	3.9	0.2	0.4	2.2	17.3	18.1	34.7	1.0	0.4	15.0
30	Rubber and miscellaneous plastics products -----	-	17	9	0.7	6.7	0.6	1.2	4.8	10.6	12.8	25.0	1.2	0.4	5.0
33	Primary metal industries ----	E1	18	10	1.3	17.6	1.0	2.1	12.3	46.0	47.5	92.8	1.7	0.9	19.0
335	Nonferrous rolling and drawing -----	-	8	4	0.6	9.0	0.4	1.0	6.3	30.1	26.4	55.8	(D)	(NA)	(NA)
34	Fabricated metal products ---	-	40	15	1.1	15.3	0.7	1.5	7.4	36.3	23.6	61.4	1.3	1.0	19.0
35	Machinery, except electrical -	-	62	17	2.6	35.5	1.8	3.7	21.2	76.2	57.3	132.6	3.1	2.1	29.4
3573	Electronic computing equipment -----	-	5	2	0.3	3.8	0.1	0.3	1.2	6.8	2.7	9.6	0.2	(NA)	(NA)
359	Miscellaneous machinery, except electrical -----	E1	28	6	0.3	3.9	0.2	0.5	3.0	6.6	2.7	9.3	(D)	(NA)	(NA)
3599	Machinery, except electrical, n.e.c. -----	E1	28	6	0.3	3.9	0.2	0.5	3.0	6.6	2.7	9.3	(D)	(NA)	(NA)
36	Electric and electronic equipment -----	-	39	23	3.4	40.8	2.1	4.3	22.0	107.0	61.5	166.5	8.1	3.2	66.0
364	Electric lighting and wiring equipment -----	-	3	3	0.4	4.6	0.2	0.4	2.6	11.9	9.2	21.3	(D)	(NA)	(NA)
366	Communication equipment -----	-	10	6	0.9	12.7	0.4	0.8	4.9	39.0	12.7	49.9	(D)	1.3	27.3
3662	Radio and TV communication equipment -----	-	10	6	0.9	12.7	0.4	0.8	4.9	39.0	12.7	49.9	(D)	1.3	27.3
367	Electronic components and accessories -----	-	18	10	1.7	19.4	1.2	2.5	12.1	44.8	32.5	77.2	2.5	1.2	17.6
3679	Electronic components, n.e.c. -----	-	10	4	0.3	3.9	0.3	0.5	2.8	15.2	13.6	28.9	0.3	0.3	5.8
38	Instruments and related products -----	-	14	8	2.6	42.0	1.4	2.8	15.4	102.5	63.4	163.5	2.3	2.5	88.1
39	Miscellaneous manufacturing industries ---	-	12	5	1.0	11.3	0.6	1.2	5.8	21.9	17.5	39.4	(D)	(NA)	(NA)
-	Administrative and auxiliary --	-	7	6	1.1	13.9	-	-	-	-	-	-	-	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SMSA's, see appendix A. For explanation of terms, see appendix B.

SIC code	SMSA and industry	1977											1972		
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Hartford SMSA -----	-	1 291	457	87.0	1 304.0	49.7	101.6	603.4	2 317.0	1 936.4	4 228.3	112.9	86.4	1 395.5
202	Dairy products -----	E1	15	8	1.0	10.5	0.6	1.1	5.6	17.0	87.5	105.0	1.4	0.9	14.2
2026	Fluid milk -----	E1	9	6	0.8	7.7	0.4	0.7	3.1	13.9	69.1	83.4	(D)	(NA)	(NA)
205	Bakery products -----	-	11	4	0.7	8.4	0.5	0.9	5.3	29.7	30.9	60.6	0.6	0.6	12.9
2051	Bread, cake, and related products -----	-	11	4	0.7	8.4	0.5	0.9	5.3	29.7	30.9	60.6	0.6	0.6	12.9
27	Printing and publishing -----	-	180	45	4.5	53.1	2.8	5.1	29.7	115.2	84.1	199.1	(D)	4.4	67.0
2711	Newspapers -----	-	19	6	1.5	16.6	0.6	1.0	5.8	36.3	23.9	60.1	(D)	1.8	27.3
275	Commercial printing -----	-	121	27	2.2	27.6	1.7	3.1	18.9	60.9	42.8	103.9	(D)	1.9	30.6
2751	Commercial printing, letterpress -----	-	58	4	0.6	7.0	0.5	0.9	5.4	17.9	18.5	36.7	(D)	0.4	7.8
2752	Commercial printing, lithographic -----	-	59	23	1.7	20.4	1.3	2.2	13.3	42.6	24.0	66.5	(D)	1.3	21.2
3443	Fabricated plate work (boiler shops) -----	-	9	5	0.5	6.2	0.3	0.7	3.9	11.7	30.9	41.7	0.3	(NA)	(NA)
345	Screw machine products, bolts, etc. -----	E1	22	6	0.9	13.0	0.6	1.3	7.6	29.4	15.9	44.0	1.1	1.2	19.9
3452	Bolts, nuts, rivets, and washers -----	E1	6	3	0.7	10.3	0.4	0.9	5.8	25.5	12.9	37.1	0.9	1.0	17.2
346	Metal forgings and stampings -----	-	15	6	0.8	9.1	0.6	1.4	7.0	14.3	8.6	22.9	0.6	0.4	4.6
3471	Plating and polishing -----	-	21	5	0.3	4.5	0.2	0.5	2.6	7.7	6.2	13.8	0.3	(NA)	(NA)
3479	Metal coating and allied services -----	-	15	4	0.3	3.0	0.2	0.5	2.1	5.6	2.8	8.4	1.2	(NA)	(NA)
349	Miscellaneous fabricated metal products -----	E2	30	12	0.9	10.6	0.5	1.1	5.5	23.5	14.7	36.8	1.3	1.6	26.2
3499	Fabricated metal products, n.e.c. -----	E5	14	5	0.3	3.4	0.2	0.4	1.9	7.7	4.7	12.4	0.4	(NA)	(NA)
354	Metalworking machinery -----	-	112	33	3.6	51.1	2.3	4.7	29.7	92.5	50.5	142.1	(D)	3.7	66.3
3541	Machine tools, metal cutting types -----	-	14	6	0.9	11.5	0.5	1.0	6.1	23.6	18.1	40.6	0.9	(NA)	(NA)
3545	Machine tool accessories -----	-	30	12	1.4	19.8	1.0	1.9	11.4	34.9	15.4	51.5	1.3	1.8	34.0
355	Special industry machinery -----	-	16	7	1.5	22.1	1.0	2.0	13.3	39.2	30.1	73.5	(D)	1.1	24.4
356	General industrial machinery -----	-	29	13	1.8	23.4	1.3	2.8	15.6	54.6	30.8	83.6	(D)	1.5	32.9
--	Administrative and auxiliary --	-	44	27	8.8	162.6	-	-	-	-	-	-	-	(NA)	(NA)
	Meriden SMSA -----	-	118	47	5.8	72.3	4.0	7.7	41.2	141.7	118.0	256.9	8.8	6.6	74.1
	New Britain SMSA -----	-	441	153	27.3	366.0	20.2	40.6	244.1	779.0	541.1	1 297.8	41.2	28.1	501.7
3452	Bolts, nuts, rivets, and washers -----	E1	7	3	0.3	3.8	0.2	0.5	2.6	7.7	5.7	13.2	(D)	(NA)	(NA)
3462	Iron and steel forgings --	-	4	4	0.4	5.3	0.4	0.6	3.9	12.8	12.1	24.7	(D)	(NA)	(NA)
3494	Valves and pipe fittings --	E3	6	5	0.7	7.8	0.4	0.9	4.5	17.7	12.7	29.8	0.9	(NA)	(NA)
3545	Machine tool accessories -----	-	21	5	0.4	5.6	0.3	0.7	4.1	12.4	3.9	16.3	0.4	0.4	5.5
	New Haven-West Haven SMSA -----	-	901	327	44.3	565.9	30.2	59.3	323.9	1 181.1	1 058.0	2 230.8	65.4	45.5	800.7
20	Food and kindred products --	E1	35	11	1.1	10.9	0.6	1.0	4.3	24.2	37.2	61.7	1.6	1.8	33.0
208	Beverages -----	E1	6	2	0.3	3.3	0.1	0.2	1.0	3.9	6.5	10.7	(D)	0.5	7.8
22	Textile mill products -----	E1	17	6	0.5	5.2	0.4	0.9	3.7	8.1	8.0	15.8	0.2	0.8	10.8
233	Women's and misses' outerwear -----	-	21	10	0.9	6.4	0.9	1.5	5.5	6.6	1.0	7.6	(D)	1.5	9.3
24	Lumber and wood products --	E3	26	7	0.3	2.8	0.2	0.4	2.0	5.1	7.0	12.1	0.4	0.3	3.2
25	Furniture and fixtures -----	-	20	9	1.0	10.4	0.7	1.4	7.0	19.1	17.3	37.0	0.8	1.1	13.6
259	Miscellaneous furniture and fixtures -----	-	4	3	0.6	7.3	0.4	0.8	4.5	13.7	10.7	25.1	(D)	(NA)	(NA)
265	Paperboard containers and boxes -----	-	8	8	0.6	7.1	0.4	0.8	4.0	14.2	15.2	29.2	(D)	(NA)	(NA)
27	Printing and publishing -----	-	131	33	3.3	38.8	2.2	4.1	23.4	73.3	36.7	109.9	3.6	2.8	45.9
275	Commercial printing -----	E1	72	20	1.5	19.7	1.2	2.3	13.8	33.7	18.3	52.0	(D)	1.3	19.8
2752	Commercial printing, lithographic -----	-	37	14	1.1	15.6	0.9	1.7	10.7	26.6	14.0	40.6	(D)	0.9	15.6
28	Chemicals and allied products -----	-	37	16	2.7	38.3	1.5	2.9	18.2	171.3	131.8	305.4	7.9	3.2	136.9
30	Rubber and miscellaneous plastics products -----	-	35	12	1.7	25.5	1.2	2.5	17.6	51.4	76.4	125.9	3.4	2.2	42.0
32	Stone, clay, and glass products -----	-	27	11	0.7	9.1	0.5	1.0	5.5	17.1	16.9	34.2	0.9	0.9	16.9
327	Concrete, gypsum, and plaster products -----	-	13	4	0.4	5.2	0.2	0.5	3.0	7.7	10.4	18.4	0.6	0.6	11.0
3272	Concrete products, n.e.c. -----	-	9	3	0.3	3.3	0.2	0.4	1.9	5.3	6.0	11.3	0.3	0.3	5.4
33	Primary metal industries -----	-	48	31	4.5	70.7	3.2	6.4	43.8	144.6	188.4	331.5	13.8	4.7	91.3
331	Blast furnace and basic steel products -----	-	11	10	2.1	36.5	1.5	3.0	24.3	76.9	86.1	162.3	7.4	1.9	38.8
3315	Steel wire and related products -----	-	6	6	0.8	13.0	0.7	1.3	9.1	21.8	29.5	51.4	(D)	(NA)	(NA)
335	Nonferrous rolling and drawing -----	-	14	12	1.7	23.9	1.1	2.2	12.6	47.5	86.9	134.1	4.2	1.6	33.4
336	Nonferrous foundries -----	-	12	3	0.3	4.8	0.3	0.6	3.2	9.8	7.7	17.3	0.6	0.6	9.5

See footnotes at end of table.

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SIC code	SMSA and industry	E ¹	1977										1972		
			All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	New Haven-West Haven SMSA—Con.														
34	Fabricated metal products ---	-	115	40	7.2	93.3	5.1	10.7	57.8	162.7	117.8	282.8	7.0	7.6	121.8
344	Fabricated structural metal products -----	-	33	8	0.7	9.4	0.5	1.0	5.8	20.3	17.4	37.7	0.5	0.7	10.4
348	Ordnance and accessories, n.e.c. -----	-	8	5	3.1	43.0	2.2	4.9	26.4	58.2	37.2	97.7	(D)	3.6	54.2
3484	Small arms -----	-	8	5	3.1	43.0	2.2	4.9	26.4	58.2	37.2	97.7	(D)	3.6	54.2
35	Machinery, except electrical -	E1	139	26	2.8	36.5	1.8	3.7	19.0	68.7	37.7	106.6	3.3	3.0	51.3
356	General industrial machinery -----	-	19	6	1.1	14.3	0.7	1.4	6.2	28.0	19.3	47.4	(D)	0.3	5.7
364	Electric lighting and wiring equipment -----	-	10	5	0.6	5.7	0.4	0.8	3.4	14.5	11.3	25.2	(D)	(NA)	(NA)
367	Electronic components and accessories -----	E3	24	8	0.9	8.4	0.7	1.4	5.5	15.9	13.0	28.7	1.3	(NA)	(NA)
3679	Electronic components, n.e.c. -----	E3	20	6	0.6	6.9	0.5	1.0	4.5	12.9	10.8	23.5	(D)	(NA)	(NA)
369	Miscellaneous electrical equipment and supplies --	-	6	4	1.7	20.9	1.0	1.7	8.5	59.3	43.7	99.8	(D)	(NA)	(NA)
38	Instruments and related products -----	E1	32	12	0.9	10.0	0.6	1.3	5.9	33.7	21.4	55.1	0.9	1.0	14.3
382	Measuring and controlling devices -----	E1	12	5	0.4	4.7	0.3	0.6	2.5	11.6	6.2	17.4	0.3	0.6	8.5
3825	Instruments to measure electricity -----	E1	8	4	0.4	4.4	0.3	0.6	2.4	11.1	5.7	16.4	0.2	(NA)	(NA)
39	Miscellaneous manufacturing industries ---	-	43	15	2.0	23.2	1.5	2.8	14.9	47.9	45.7	92.2	1.5	2.2	35.2
391	Jewelry, silverware, and plated ware -----	-	13	6	0.7	8.6	0.4	0.9	4.7	20.6	25.4	44.6	0.2	(NA)	(NA)
399	Miscellaneous manufactures -----	E1	14	4	0.3	3.1	0.3	0.4	1.9	6.3	5.9	12.3	0.3	(NA)	(NA)
--	Administrative and auxiliary --	-	20	14	1.7	33.8	-	-	-	-	-	-	-	(NA)	(NA)
	New London-Norwich, Conn.-R.I., SMSA-----	-	286	108	41.8	575.8	26.6	51.3	305.5	1 081.4	780.7	1 847.4	49.3	29.2	457.4
22	Textile mill products -----	-	17	13	1.5	15.9	1.3	2.6	11.9	27.8	31.0	58.6	1.8	2.4	33.2
23	Apparel and other textile products -----	-	16	10	1.3	12.0	0.8	1.4	5.6	27.7	49.2	75.7	0.3	1.2	20.5
26	Paper and allied products ---	-	13	12	1.3	17.8	1.0	2.1	12.5	38.6	53.8	91.1	3.0	1.2	21.0
2631	Paperboard mills -----	-	3	3	0.3	6.0	0.3	0.6	4.7	11.3	30.3	41.7	(D)	(NA)	(NA)
264	Miscellaneous converted paper products -----	-	4	4	0.4	4.4	0.3	0.6	3.0	15.0	10.8	24.5	(D)	(NA)	(NA)
265	Paperboard containers and boxes -----	-	6	5	0.6	7.4	0.5	1.0	4.7	12.3	12.7	24.9	(D)	0.6	8.6
27	Printing and publishing -----	-	33	11	1.8	21.7	1.1	2.0	11.7	44.2	15.8	59.7	1.5	1.6	27.2
2711	Newspapers -----	-	5	3	0.7	6.3	0.3	0.6	3.1	11.7	3.5	15.1	(D)	(NA)	(NA)
275	Commercial printing -----	-	21	5	0.7	10.0	0.6	1.2	7.4	17.8	8.8	26.5	1.0	0.5	8.0
28	Chemicals and allied products -----	-	12	6	4.4	59.6	2.7	5.8	40.0	246.9	183.2	423.8	15.2	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	E2	11	4	0.4	3.1	0.3	0.6	2.4	6.2	9.2	16.9	(D)	0.4	6.2
33	Primary metal industries ---	-	8	6	1.2	13.8	1.0	2.1	11.0	22.7	49.8	70.5	0.9	1.3	17.0
35	Machinery, except electrical -	-	30	6	1.5	23.6	0.9	1.9	11.2	57.5	30.4	83.6	3.2	1.8	38.7
36	Electric and electronic equipment -----	-	16	8	1.9	16.0	1.5	2.9	10.5	30.7	34.6	66.3	1.4	0.6	6.7
367	Electronic components and accessories -----	-	7	5	0.6	5.7	0.5	1.0	3.6	9.8	9.0	19.2	(D)	(NA)	(NA)
	Norwalk SMSA -----	-	335	119	15.8	233.9	8.7	16.8	82.8	387.3	280.5	660.5	19.1	17.7	333.7
20	Food and kindred products --	-	10	4	1.1	15.2	0.6	1.1	7.1	35.4	32.4	67.6	(D)	1.1	15.4
23	Apparel and other textile products -----	-	24	11	1.2	9.7	1.0	1.9	7.1	27.1	19.2	46.1	0.4	1.2	16.9
27	Printing and publishing -----	-	75	18	1.7	20.4	1.2	2.3	10.4	45.0	26.9	72.2	1.9	2.5	58.7
2711	Newspapers -----	E1	8	3	0.3	3.2	0.2	0.3	2.0	5.8	1.5	7.3	0.1	0.3	4.5
278	Blankbooks and bookbinding -----	-	3	3	0.8	8.8	0.6	1.2	4.8	20.2	12.1	32.8	(D)	0.7	11.2
2782	Blankbooks and looseleaf binders -----	-	3	3	0.8	8.8	0.6	1.2	4.8	20.2	12.1	32.8	(D)	0.7	11.2
30	Rubber and miscellaneous plastics products -----	-	7	3	0.3	3.5	0.2	0.5	2.0	5.3	6.0	11.4	0.2	0.3	3.4
32	Stone, clay, and glass products -----	-	13	4	0.3	3.8	0.2	0.4	2.3	8.3	8.7	17.1	0.4	0.3	7.0
34	Fabricated metal products ---	-	23	11	0.6	7.1	0.5	0.9	4.9	16.7	11.0	27.7	0.3	0.8	8.8
362	Electrical industrial apparatus -----	-	7	5	0.3	4.0	0.2	0.3	1.8	6.3	5.3	11.3	(D)	0.4	6.5
366	Communication equipment -----	-	9	6	1.8	34.1	0.7	1.4	7.9	33.1	31.9	62.3	(D)	(NA)	(NA)
367	Electronic components and accessories -----	E1	12	4	0.3	4.2	0.2	0.5	2.3	9.2	6.0	14.9	1.7	(NA)	(NA)
39	Miscellaneous manufacturing industries ---	E2	22	4	0.3	3.2	0.3	0.5	1.9	6.3	7.3	13.5	0.1	0.3	3.2

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Springfield-Chicopee-Holyoke, Mass.-Conn., SMSA-----	-	1 034	400	63.2	779.5	45.5	88.6	480.5	1 735.5	1 572.5	3 290.8	109.1	62.1	1 157.7
20	Food and kindred products --	-	56	18	2.3	32.6	1.1	2.1	12.0	44.1	170.4	213.6	16.2	2.5	61.2
202	Dairy products -----	-	13	6	1.1	18.1	0.5	0.9	5.7	17.6	116.6	133.9	(D)	0.9	34.6
205	Bakery products -----	E1	16	5	0.5	5.3	0.3	0.5	2.9	10.1	7.4	17.5	(D)	0.6	8.9
2051	Bread, cake, and related products -----	E1	16	5	0.5	5.3	0.3	0.5	2.9	10.1	7.4	17.5	(D)	0.6	8.9
22	Textile mill products-----	-	18	15	1.8	18.3	1.6	3.6	14.5	40.5	52.3	92.8	1.2	2.1	37.5
225	Knitting mills -----	-	4	4	0.7	5.8	0.6	1.2	4.6	16.2	21.0	37.3	(D)	0.8	12.1
23	Apparel and other textile products -----	-	41	23	3.6	29.1	2.9	5.2	18.0	52.7	38.3	92.2	0.7	4.0	44.1
233	Women's and misses' outerwear -----	-	10	8	0.8	6.3	0.7	1.3	4.3	10.2	11.8	22.1	0.1	0.9	6.4
236	Children's outerwear -----	E2	4	4	0.7	5.4	0.6	1.1	3.7	8.8	4.2	13.0	0.1	0.7	5.6
239	Miscellaneous fabricated textile products -----	-	16	7	1.4	11.9	0.9	1.6	5.6	26.0	18.3	45.0	0.6	1.5	24.9
24	Lumber and wood products --	E1	36	6	0.3	3.3	0.3	0.5	2.4	6.7	7.7	14.3	0.5	0.6	10.3
26	Paper and allied products ---	-	71	48	6.9	86.1	5.0	10.1	55.6	175.3	209.5	384.1	13.0	7.1	126.6
264	Miscellaneous converted paper products -----	-	38	25	4.5	56.3	3.2	6.3	34.6	119.8	143.7	262.8	8.2	3.9	73.9
2641	Paper coating and glazing -----	-	10	7	1.6	22.1	0.9	1.9	10.6	43.7	65.2	108.4	2.9	0.7	12.8
2648	Stationery products -----	-	9	4	0.6	6.6	0.4	0.8	4.7	11.1	11.9	23.1	(D)	0.6	6.7
2649	Converted paper products, n.e.c. -----	E1	8	6	0.4	5.5	0.3	0.7	3.5	12.2	19.1	31.2	(D)	0.5	9.0
265	Paperboard containers and boxes -----	-	25	18	1.7	20.0	1.3	2.5	13.0	37.4	46.1	83.1	3.7	2.0	32.0
2651	Folding paperboard boxes -----	-	6	6	0.5	5.9	0.4	0.9	4.4	12.9	11.5	24.1	(D)	0.7	11.0
2653	Corrugated and solid fiber boxes -----	E1	10	6	0.9	11.2	0.6	1.2	6.7	18.5	27.5	46.0	(D)	0.8	12.5
27	Printing and publishing -----	-	142	48	5.7	66.2	3.7	6.9	39.1	161.9	86.4	245.1	6.3	5.7	105.9
2711	Newspapers -----	-	19	8	1.4	17.2	0.3	0.6	4.5	60.5	12.7	73.1	0.8	1.4	40.8
275	Commercial printing -----	E1	75	21	1.4	16.8	1.1	2.2	12.1	28.0	17.6	45.4	1.7	1.4	19.6
2751	Commercial printing, letterpress -----	E3	36	5	0.3	3.0	0.3	0.5	2.1	5.7	3.8	9.2	(D)	0.3	3.9
2752	Commercial printing, lithographic -----	E1	32	12	0.8	10.6	0.6	1.3	7.4	16.5	11.5	28.1	0.9	1.0	13.5
278	Blankbooks and bookbinding -----	-	13	8	2.1	21.6	1.7	3.1	16.7	47.8	31.2	76.7	(D)	1.8	28.7
2782	Blankbooks and looseleaf binders -----	-	8	6	2.0	21.0	1.6	3.0	16.3	46.6	31.0	75.3	(D)	(NA)	(NA)
279	Printing trade services -----	-	18	5	0.3	3.1	0.2	0.4	2.3	6.0	4.8	10.7	0.5	0.3	3.1
28	Chemicals and allied products -----	-	29	13	3.3	53.6	1.8	3.6	26.6	181.3	211.7	395.1	15.0	3.9	186.5
30	Rubber and miscellaneous plastics products -----	-	56	31	4.9	61.2	3.9	7.9	43.5	129.3	128.2	258.9	5.5	4.2	76.0
3069	Fabricated rubber products, n.e.c. -----	-	5	4	0.3	2.9	0.2	0.5	2.3	4.7	4.9	9.5	0.2	(NA)	(NA)
32	Stone, clay, and glass products -----	-	33	11	0.7	8.8	0.5	1.1	5.9	18.8	25.0	43.5	1.0	0.7	13.1
3291	Abrasive products -----	-	6	4	0.3	3.7	0.2	0.4	2.5	8.0	11.7	19.6	(D)	(NA)	(NA)
33	Primary metal industries -----	-	38	21	2.1	25.2	1.7	3.4	18.3	47.8	70.2	117.9	5.1	2.2	34.7
331	Blast furnace and basic steel products -----	-	5	4	0.3	3.7	0.2	0.4	2.5	7.1	11.5	19.0	(D)	(NA)	(NA)
332	Iron and steel foundries -----	-	7	5	0.5	6.9	0.5	0.9	5.3	13.7	12.7	25.7	3.4	0.7	9.3
335	Nonferrous rolling and drawing -----	-	8	6	0.8	9.7	0.7	1.4	7.0	18.2	25.4	43.4	0.7	0.9	15.7
34	Fabricated metal products ---	-	138	57	9.9	121.8	8.0	15.7	89.4	239.8	147.0	361.0	16.9	8.7	136.1
342	Cutlery, hand tools, and hardware -----	-	17	7	2.9	36.7	2.3	4.7	27.4	86.3	55.8	121.4	6.0	1.6	38.0
344	Fabricated structural metal products -----	E1	33	11	0.7	9.2	0.5	1.0	6.0	9.8	19.4	29.1	1.1	1.1	17.0
3444	Sheet metal work -----	-	14	4	0.4	4.4	0.3	0.5	2.9	3.1	13.5	16.6	(D)	0.5	7.6
346	Metal forgings and stampings -----	-	13	10	1.0	12.3	0.9	1.6	8.3	22.6	17.0	40.2	1.3	1.1	15.7
347	Metal services, n.e.c. -----	-	31	11	0.6	6.0	0.5	0.9	3.9	10.2	4.0	14.2	(D)	(NA)	(NA)
3471	Plating and polishing -----	E1	18	5	0.3	3.5	0.3	0.6	2.5	6.5	2.5	9.0	0.3	(NA)	(NA)
349	Miscellaneous fabricated metal products -----	-	22	10	1.4	17.1	0.9	1.8	10.0	30.0	26.5	56.1	3.1	1.1	11.4
35	Machinery, except electrical -	-	228	61	10.3	144.0	7.1	13.7	83.9	366.2	236.8	609.2	17.2	7.6	133.4
355	Special industry machinery -----	-	24	11	1.5	24.1	1.0	1.9	14.0	50.1	39.1	87.8	1.5	1.3	26.8
3555	Printing trades machinery -----	-	7	4	0.4	5.8	0.3	0.6	3.9	10.2	14.1	24.0	0.8	(NA)	(NA)
356	General industrial machinery -----	-	25	7	2.0	28.6	1.3	2.6	17.4	57.5	40.3	108.7	2.6	2.4	44.6
359	Miscellaneous machinery, except electrical -----	E1	93	20	1.3	19.8	1.0	2.3	14.0	31.5	12.6	43.4	2.6	(NA)	(NA)
3599	Machinery, except electrical, n.e.c. -----	E1	93	20	1.3	19.8	1.0	2.3	14.0	31.5	12.6	43.4	2.6	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Springfield-Chicopee-Holyoke, Mass.-Conn., SMSA—Con.														
36	Electric and electronic equipment -----	E2	33	15	1.9	20.0	1.3	2.6	11.7	44.6	38.8	86.2	2.2	1.8	21.0
366	Communication equipment -----	E1	9	4	0.6	6.7	0.3	0.7	2.7	18.1	10.8	31.4	1.0	(NA)	(NA)
3662	Radio and TV communication equipment -----	E1	9	4	0.6	6.7	0.3	0.7	2.7	18.1	10.8	31.4	1.0	(NA)	(NA)
37	Transportation equipment ---	-	13	5	1.2	11.0	1.1	1.7	8.9	15.2	22.4	39.8	0.5	(NA)	(NA)
38	Instruments and related products -----	-	19	5	0.7	9.9	0.3	0.6	3.4	21.3	11.1	30.7	1.3	1.7	12.4
39	Miscellaneous manufacturing industries ---	-	42	13	5.5	60.5	4.1	8.1	39.6	169.8	97.6	265.5	6.2	5.9	119.3
3991	Brooms and brushes ---	-	5	4	1.2	12.1	1.0	2.0	8.6	25.0	16.5	40.7	0.8	(NA)	(NA)
-	Administrative and auxiliary --	-	11	5	0.8	14.6	-	-	-	-	-	-	-	(NA)	(NA)
-	Stamford SMSA -----	-	516	194	33.6	626.6	10.9	21.0	124.5	799.7	518.9	1 321.1	37.6	27.5	485.9
-	Waterbury SMSA -----	-	542	209	32.9	419.2	21.7	43.8	226.9	821.5	957.1	1 743.9	41.4	36.4	570.6
-	Administrative and auxiliary --	-	10	7	1.7	36.8	-	-	-	-	-	-	-	(NA)	(NA)

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (S) Withheld because estimate did not meet publication standards.

(Z) Less than 50 thousand dollars or hours; under 50 employees. ¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977												1972	
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Fairfield County -----	-	1 978	723	117.3	1 849.0	61.7	122.7	695.6	3 064.2	2 420.7	5 454.4	149.4	113.8	2 052.7
20	Food and kindred products --	-	54	20	3.5	48.0	2.1	4.1	24.1	128.4	124.0	252.0	5.2	3.9	66.0
205	Bakery products -----	-	19	8	2.5	35.4	1.6	3.1	19.8	96.3	59.4	155.5	3.9	2.5	39.7
2051	Bread, cake, and related products -----	-	19	8	2.5	35.4	1.6	3.1	19.8	96.3	59.4	155.5	3.9	(NA)	(NA)
22	Textile mill products -----	-	20	13	1.8	17.1	1.3	2.7	10.7	36.4	56.5	92.6	3.5	1.9	27.3
225	Knitting mills -----	-	11	8	1.2	11.5	1.0	1.9	7.1	25.5	44.1	69.2	(D)	0.7	7.1
23	Apparel and other textile products -----	E1	97	46	3.2	23.9	2.7	5.0	18.0	52.1	39.0	91.2	0.7	3.9	38.9
233	Women's and misses' outerwear -----	-	36	20	1.1	7.2	1.0	1.7	6.0	12.9	6.8	19.6	0.1	1.5	12.2
25	Furniture and fixtures -----	E1	28	12	1.0	9.0	0.8	1.5	6.7	21.0	19.1	39.7	(D)	0.9	16.0
251	Household furniture -----	E1	19	8	0.7	5.7	0.6	1.1	4.8	12.3	14.2	26.5	(D)	0.8	12.9
26	Paper and allied products ---	E1	31	15	1.3	15.2	0.9	1.8	8.8	33.1	36.8	69.3	(D)	1.2	19.4
265	Paperboard containers and boxes -----	E1	17	9	0.9	10.9	0.6	1.2	6.1	20.8	22.3	43.5	(D)	1.0	15.1
2651	Folding paperboard boxes -----	E1	7	5	0.5	6.2	0.3	0.7	3.7	11.9	9.3	21.6	(D)	(NA)	(NA)

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

For explanation of terms, see appendix B)															
SIC code	County and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Fairfield County—Con.														
27	Printing and publishing -----	E1	343	71	6.3	86.5	3.5	6.7	41.3	179.9	88.9	273.3	9.5	6.8	145.2
2711	Newspapers -----	E1	27	11	1.7	20.3	0.7	1.3	9.0	37.7	11.7	49.4	3.1	(NA)	(NA)
2721	Periodicals -----	E1	48	13	0.7	11.6	(Z)	0.2	0.6	32.4	14.7	51.6	0.2	(NA)	(NA)
275	Commercial printing -----	E3	161	19	1.6	21.3	1.2	2.3	14.1	39.1	31.1	70.0	3.0	1.5	24.9
2751	Commercial printing, letterpress -----	E4	84	6	0.5	6.3	0.4	0.8	4.6	11.1	7.9	19.0	0.5	(NA)	(NA)
2752	Commercial printing, lithographic -----	E2	71	13	1.0	14.5	0.8	1.4	9.1	26.5	22.8	49.3	2.4	(NA)	(NA)
278	Blankbooks and bookbinding -----	-	9	6	0.9	9.9	0.7	1.4	5.6	22.3	12.9	35.8	0.9	0.7	11.5
279	Printing trade services -----	-	47	10	0.7	13.5	0.5	0.9	9.5	22.2	5.7	27.8	1.0	0.7	17.8
28	Chemicals and allied products -----	-	63	22	2.9	39.8	1.6	2.7	16.9	306.2	244.4	553.6	13.4	3.1	194.5
30	Rubber and miscellaneous plastics products -----	-	80	35	3.8	43.4	2.9	5.8	28.2	93.8	90.3	185.5	10.9	3.6	64.8
3079	Miscellaneous plastics products -----	-	65	27	2.9	32.4	2.2	4.4	21.1	72.4	73.0	144.9	10.4	(NA)	(NA)
31	Leather and leather products -----	-	15	6	0.5	4.1	0.5	0.9	3.0	7.9	6.5	14.4	0.1	0.8	8.0
32	Stone, clay, and glass products -----	E1	49	11	1.0	12.7	0.8	1.4	8.8	26.4	21.9	48.0	1.6	2.7	54.2
33	Primary metal industries -----	E1	58	27	5.4	81.6	4.1	8.5	56.9	169.1	355.2	517.2	9.5	5.4	119.8
332	Iron and steel foundries -----	-	4	4	0.6	7.9	0.4	0.9	5.2	14.4	12.5	26.7	(D)	(NA)	(NA)
3321	Gray iron foundries -----	-	4	4	0.6	7.9	0.4	0.9	5.2	14.4	12.5	26.7	(D)	(NA)	(NA)
335	Nonferrous rolling and drawing -----	E3	17	9	2.6	39.8	1.9	3.9	27.0	77.1	223.9	295.9	(D)	3.0	68.4
3357	Nonferrous wire drawing and insulating -----	-	11	4	1.1	15.4	0.7	1.4	8.9	20.5	38.6	56.3	(D)	(NA)	(NA)
336	Nonferrous foundries -----	-	17	6	0.7	9.0	0.6	1.2	7.0	14.7	17.0	32.0	1.0	0.8	9.9
34	Fabricated metal products ---	-	204	83	8.9	113.4	6.4	12.9	69.2	226.8	158.7	387.6	9.2	10.1	160.5
342	Cutlery, hand tools, and hardware -----	-	19	11	1.9	21.5	1.5	3.0	15.0	44.7	31.6	72.8	(D)	2.0	28.8
344	Fabricated structural metal products -----	E1	40	14	0.8	11.0	0.6	1.1	6.7	18.8	15.9	35.6	0.9	1.2	15.6
345	Screw machine products, bolts, etc. -----	-	25	8	0.9	14.5	0.6	1.2	5.8	33.2	16.6	51.0	1.3	0.8	25.8
3452	Bolts, nuts, rivets, and washers -----	-	9	4	0.7	12.2	0.4	0.9	4.2	30.4	14.3	45.8	0.8	(NA)	(NA)
346	Metal forgings and stampings -----	E2	25	12	0.6	6.7	0.5	0.9	4.7	12.1	9.6	22.6	(D)	0.9	11.0
347	Metal services, n.e.c. -----	-	46	16	1.1	11.0	0.9	1.7	7.7	18.6	8.3	26.9	0.5	0.9	12.1
348	Ordnance and accessories, n.e.c. -----	-	5	4	1.7	22.7	1.0	2.1	13.9	45.5	27.9	75.4	(D)	(NA)	(NA)
349	Miscellaneous fabricated metal products -----	-	37	14	1.3	15.9	0.9	1.9	10.0	33.0	24.2	58.7	1.6	1.7	26.0
35	Machinery, except electrical -	-	340	82	16.4	249.3	9.5	19.9	121.6	521.1	292.8	806.3	23.5	15.4	291.0
354	Metalworking machinery ---	-	114	23	3.8	58.2	2.9	6.1	42.2	120.8	79.6	195.4	(D)	3.5	72.0
3541	Machine tools, metal cutting types -----	-	12	3	2.1	34.5	1.6	3.6	25.8	80.2	55.5	130.0	(D)	(NA)	(NA)
3544	Special dies, tools, jigs, and fixtures -----	E2	71	10	0.6	10.2	0.5	1.1	7.7	15.0	6.4	21.4	(D)	(NA)	(NA)
3549	Metalworking machinery, n.e.c. -----	E1	11	4	0.5	6.3	0.3	0.7	4.2	12.3	10.1	23.2	(D)	(NA)	(NA)
356	General industrial machinery -----	-	39	18	3.8	55.3	2.5	5.4	30.2	118.4	83.5	198.2	3.2	3.8	59.8
3569	General industrial machinery, n.e.c. -----	-	11	4	0.6	8.0	0.3	0.6	3.2	22.8	18.0	39.9	0.7	(NA)	(NA)
357	Office and computing machines -----	-	20	12	7.1	111.5	2.9	5.8	34.1	234.8	102.0	338.5	(D)	6.5	134.7
359	Miscellaneous machinery, except electrical -----	E2	129	19	1.1	14.7	0.9	1.8	10.2	26.3	10.8	36.9	2.0	0.9	13.3
3599	Machinery, except electrical, n.e.c. -----	E2	129	19	1.1	14.7	0.9	1.8	10.2	26.3	10.8	36.9	2.0	(NA)	(NA)
36	Electric and electronic equipment -----	-	177	92	17.5	240.2	11.1	22.3	122.2	537.6	388.6	909.5	31.0	21.4	413.3
361	Electric distributing equipment -----	-	12	7	1.4	19.0	1.0	2.0	11.1	40.4	44.6	81.7	(D)	1.6	15.5
362	Electrical industrial apparatus -----	-	17	9	1.0	14.3	0.6	1.1	5.5	17.1	32.4	52.2	0.4	1.5	11.7
364	Electric lighting and wiring equipment -----	-	20	11	2.6	33.7	1.9	3.8	22.2	80.3	51.4	129.9	1.6	4.0	78.5
366	Communication equipment -	-	38	21	4.3	69.7	1.9	3.7	22.7	115.2	73.7	183.4	12.9	7.4	160.7
367	Electronic components and accessories -----	E1	58	26	3.6	41.9	2.7	5.5	25.9	86.2	64.9	150.6	8.2	3.5	55.3
3674	Semiconductors and related devices -----	-	9	4	0.5	6.8	0.3	0.7	2.5	10.6	8.6	19.4	(D)	(NA)	(NA)
3679	Electronic components, n.e.c. -----	E1	37	13	1.3	16.0	1.0	2.1	10.3	39.3	35.1	74.4	4.1	(NA)	(NA)
37	Transportation equipment ---	-	47	14	11.9	206.9	6.4	13.0	89.5	387.5	278.5	659.7	(D)	12.5	205.2

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Fairfield County—Con.														
38	Instruments and related products -----	-	79	40	8.5	126.3	4.8	9.2	51.8	278.0	153.7	428.1	8.0	6.9	182.3
382	Measuring and controlling devices -----	-	30	21	3.2	44.9	1.7	3.4	20.8	90.5	47.0	135.6	2.6	2.0	37.8
3823	Process control instruments -----	-	10	7	1.5	22.2	0.8	1.5	10.3	44.0	13.2	56.2	1.1	(NA)	(NA)
3829	Measuring and controlling devices, n.e.c. -----	-	11	7	1.0	13.2	0.5	1.1	6.2	26.2	17.8	43.0	0.7	(NA)	(NA)
384	Medical instruments and supplies -----	-	25	10	1.7	19.7	1.2	2.4	12.6	48.6	33.4	82.8	2.7	1.3	25.7
39	Miscellaneous manufacturing industries -----	-	97	25	2.4	24.5	1.8	3.4	14.0	51.2	45.1	96.4	1.8	2.4	36.0
399	Miscellaneous manufactures -----	E2	48	5	0.5	4.4	0.3	0.5	2.4	11.0	10.0	21.0	0.3	0.7	9.5
-	Administrative and auxiliary --	-	143	101	20.4	501.5	-	-	-	-	-	-	-	(NA)	(NA)
	Hartford County -----	-	1 676	601	116.7	1 727.5	72.8	147.9	904.5	3 173.5	2 500.6	5 621.1	156.4	114.9	1 931.5
202	Dairy products-----	-	15	8	1.1	10.9	0.6	1.1	5.6	17.7	85.3	103.4	2.2	1.2	15.8
2026	Fluid milk -----	-	10	6	0.8	8.1	0.4	0.7	3.1	14.5	66.9	81.8	(D)	(NA)	(NA)
205	Bakery products -----	-	12	6	0.8	9.2	0.5	1.0	5.6	31.0	31.7	62.7	0.8	0.7	13.8
2051	Bread, cake, and related products -----	-	12	6	0.8	9.2	0.5	1.0	5.6	31.0	31.7	62.7	0.8	(NA)	(NA)
27	Printing and publishing -----	-	198	49	5.1	62.2	3.2	5.8	36.0	125.2	94.8	220.0	(D)	4.9	74.6
2711	Newspapers -----	-	21	7	1.6	19.4	0.6	1.1	7.1	43.8	24.5	68.3	2.3	(NA)	(NA)
275	Commercial printing -----	-	134	29	2.6	33.5	2.1	3.7	23.7	62.6	52.8	115.7	3.1	2.1	33.9
2751	Commercial printing, letterpress -----	-	66	5	0.6	7.5	0.5	0.9	5.7	18.7	18.8	37.8	1.1	(NA)	(NA)
2752	Commercial printing, lithographic -----	-	64	24	2.0	25.8	1.6	2.8	17.9	43.5	33.8	77.3	2.0	(NA)	(NA)
33	Primary metal industries -----	-	52	24	3.0	39.6	2.4	4.7	27.2	82.7	103.8	185.5	5.4	2.7	50.9
331	Blast furnace and basic steel products -----	-	8	5	0.8	13.4	0.6	1.2	8.6	34.5	48.8	82.4	(D)	(NA)	(NA)
34	Fabricated metal products ---	-	325	138	18.2	230.9	13.4	26.8	148.2	516.1	386.1	887.0	22.7	20.6	357.5
343	Plumbing and heating, except electric -----	E3	17	8	0.8	7.7	0.6	1.1	4.7	16.7	20.9	37.1	(D)	0.7	9.9
344	Fabricated structural metal products -----	-	44	15	1.5	19.7	1.0	1.9	11.5	44.3	62.5	101.5	1.0	2.4	37.5
345	Screw machine products, bolts, etc. -----	E1	73	25	2.2	27.9	1.6	3.4	18.3	57.8	38.1	94.2	4.3	2.3	37.1
346	Metal forgings and stampings -----	-	43	23	2.1	24.9	1.8	3.4	17.9	45.6	35.4	80.5	1.8	1.4	21.5
3469	Metal stampings, n.e.c. ---	-	35	17	1.5	17.1	1.3	2.6	12.5	28.9	19.4	48.1	1.4	(NA)	(NA)
347	Metal services, n.e.c. -----	-	42	11	0.8	9.7	0.7	1.4	6.3	18.3	8.2	26.4	(D)	0.6	8.3
3471	Plating and polishing -----	-	26	7	0.5	5.8	0.4	0.8	3.8	10.0	2.7	12.7	(D)	(NA)	(NA)
349	Miscellaneous fabricated metal products -----	E1	72	35	3.5	42.6	2.5	5.1	26.3	90.1	67.1	154.9	4.4	3.9	62.7
3495	Wire springs -----	-	26	20	1.3	13.5	1.1	2.2	9.5	25.1	15.6	40.4	1.5	(NA)	(NA)
3499	Fabricated metal products, n.e.c. -----	E1	21	6	0.5	7.8	0.4	0.8	4.4	18.3	21.9	40.7	1.0	(NA)	(NA)
35	Machinery, except electrical --	-	480	125	24.4	359.5	18.4	38.6	250.2	693.5	358.7	1 035.1	29.4	21.4	381.9
354	Metalworking machinery -----	-	193	51	5.5	81.8	3.7	7.8	49.3	148.3	73.7	220.2	6.4	4.8	85.6
3544	Special dies, tools, jigs, and fixtures -----	E3	103	19	1.2	18.4	1.0	2.1	12.7	29.4	9.8	38.6	(D)	(NA)	(NA)
3545	Machine tool accessories -----	-	51	17	1.8	25.5	1.3	2.6	15.7	47.6	19.5	68.2	(D)	(NA)	(NA)
355	Special industry machinery -	-	19	8	1.2	17.4	0.8	1.7	10.8	33.4	34.7	71.8	0.8	0.7	18.5
3559	Special industry machinery, n.e.c. -----	-	11	4	1.0	14.7	0.6	1.3	8.9	28.5	30.3	60.7	(D)	(NA)	(NA)
356	General industrial machinery -----	-	36	18	9.5	144.7	7.8	15.9	115.2	274.7	113.9	382.2	6.5	9.1	175.4
3562	Ball and roller bearings --	-	8	7	8.1	126.8	6.9	13.9	104.2	236.5	95.2	326.9	4.8	(NA)	(NA)
36	Electric and electronic equipment -----	-	68	32	8.3	101.7	5.7	11.5	57.7	212.3	182.2	390.6	8.2	8.7	150.8
362	Electrical industrial apparatus -----	-	16	7	1.3	16.0	0.9	1.8	9.0	27.3	17.7	44.9	1.0	1.2	19.4
3622	Industrial controls -----	-	10	6	1.2	15.2	0.8	1.6	8.3	25.4	16.3	41.6	0.9	(NA)	(NA)
3873	Watches, clocks, and watchcases -----	-	5	3	0.6	5.3	0.5	0.9	3.4	9.0	7.4	16.4	(D)	(NA)	(NA)
-	Administrative and auxiliary --	-	50	30	8.5	159.9	-	-	-	-	-	-	-	(NA)	(NA)
	Litchfield County -----	-	370	124	17.8	201.6	13.4	27.3	136.5	506.0	418.8	921.4	22.6	16.8	298.3
22	Textile mill products -----	-	8	5	0.8	7.7	0.6	1.3	5.3	15.6	16.2	31.7	(D)	0.8	12.6
25	Furniture and fixtures -----	-	6	3	0.9	10.9	0.6	1.3	6.6	19.6	16.6	33.0	0.4	0.6	12.8
33	Primary metal industries -----	-	19	8	0.9	11.7	0.7	1.6	9.2	39.3	44.6	80.3	1.3	0.9	15.1
335	Nonferrous rolling and drawing -----	-	7	3	0.5	6.3	0.4	0.8	4.9	25.3	25.1	47.0	0.2	0.6	10.0

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies.
For explanation of terms, see appendix B]

For explanation of terms, see appendix B]															
SIC code	County and industry	1977												1972	
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Litchfield County—Con.														
34	Fabricated metal products ---	-	78	29	2.4	28.6	2.0	4.0	20.0	50.5	47.8	99.2	5.2	1.9	28.5
345	Screw machine products, bolts, etc. -----	E1	31	9	0.8	8.7	0.7	1.4	6.7	14.5	9.8	24.1	0.9	0.7	8.1
346	Metal forgings and stampings -----	-	21	9	0.5	6.8	0.4	0.9	5.0	13.9	14.9	29.5	1.6	(NA)	(NA)
349	Miscellaneous fabricated metal products -----	-	10	5	0.8	8.2	0.6	1.1	5.3	10.4	14.0	24.9	(D)	(NA)	(NA)
3499	Fabricated metal products, n.e.c. -----	-	5	2	0.5	5.3	0.5	0.8	3.8	5.9	9.2	15.6	2.0	(NA)	(NA)
35	Machinery, except electrical --	-	90	17	3.7	40.6	2.8	5.7	29.0	90.6	60.7	150.2	2.7	3.4	52.1
354	Metalworking machinery ---	-	37	4	0.5	6.2	0.4	0.7	4.1	12.8	8.3	21.6	0.4	(NA)	(NA)
356	General industrial machinery -----	-	8	4	2.4	23.9	1.8	3.6	18.3	59.5	37.5	96.2	(D)	2.1	33.9
36	Electric and electronic equipment -----	-	31	17	2.9	29.6	2.1	4.3	18.6	80.3	56.3	133.9	3.1	2.9	53.3
367	Electronic components and accessories -----	-	9	5	1.1	11.2	0.8	1.6	7.7	26.5	14.8	41.6	(D)	1.0	18.0
3679	Electronic components, n.e.c. -----	-	5	3	0.5	5.4	0.4	0.7	3.6	11.2	5.2	16.6	(D)	(NA)	(NA)
37	Transportation equipment ---	-	6	3	0.6	8.4	0.5	1.2	6.0	17.9	11.1	28.8	(D)	(NA)	(NA)
39	Miscellaneous manufacturing industries -----	-	16	9	1.4	15.6	1.1	2.0	10.3	29.9	22.4	55.1	0.8	1.8	28.1
396	Costume jewelry and notions -----	-	6	5	0.9	9.6	0.7	1.3	6.4	16.5	13.8	33.1	(D)	(NA)	(NA)
3964	Needles, pins, and fasteners -----	-	5	5	0.9	9.6	0.7	1.3	6.4	16.5	13.8	33.1	(D)	(NA)	(NA)
	Middlesex County -----	-	303	103	15.0	192.5	10.6	20.9	116.7	452.5	348.3	779.8	26.0	14.8	263.8
3079	Miscellaneous plastics products -----	-	8	3	0.5	5.5	0.4	0.8	4.2	10.9	9.5	20.5	(D)	(NA)	(NA)
34	Fabricated metal products ---	E1	54	22	1.7	19.2	1.3	2.5	12.6	34.6	23.7	59.5	2.2	2.1	25.2
342	Cutlery, hand tools, and hardware -----	-	9	3	0.6	7.0	0.4	0.8	4.7	13.3	8.4	23.1	0.3	1.1	12.7
35	Machinery, except electrical --	-	47	13	1.7	21.6	1.2	2.2	12.4	41.7	24.8	66.6	1.0	1.3	22.4
355	Special industry machinery --	E1	5	4	0.8	10.7	0.5	0.9	6.0	19.2	10.8	30.2	(D)	(NA)	(NA)
36	Electric and electronic equipment -----	-	20	9	1.0	10.9	0.8	1.5	6.4	22.0	24.9	46.3	3.0	0.6	5.4
37	Transportation equipment ---	-	18	8	4.6	73.5	3.0	6.4	42.8	176.2	135.5	292.0	(D)	4.3	71.4
39	Miscellaneous manufacturing industries -----	-	12	5	0.8	9.6	0.5	1.0	5.0	18.2	11.2	28.7	1.2	0.7	10.4
	New Haven County -----	-	1 629	618	89.6	1 154.6	60.1	118.9	649.5	2 355.7	2 256.8	4 559.4	147.4	94.5	1 575.5
20	Food and kindred products --	-	70	22	2.3	27.7	1.3	2.4	12.1	85.7	120.3	204.4	4.4	3.1	67.6
202	Dairy products -----	-	14	6	0.5	6.6	0.2	0.5	2.7	24.3	47.0	71.3	0.7	0.9	27.1
205	Bakery products -----	-	18	4	0.5	6.7	0.2	0.5	2.7	11.0	7.6	18.6	(D)	0.6	10.2
22	Textile mill products -----	E1	21	10	1.5	16.7	1.3	2.7	13.9	26.8	20.7	46.9	2.3	1.9	26.8
225	Knitting mills -----	-	8	4	0.5	4.2	0.4	0.9	3.4	7.2	4.8	11.9	(D)	(NA)	(NA)
23	Apparel and other textile products -----	E1	87	52	4.6	33.2	3.8	6.5	23.1	65.6	61.8	121.0	0.8	5.2	45.4
232	Men's and boys' furnishings -----	-	18	15	1.6	11.8	1.2	2.2	7.3	34.5	37.2	66.0	0.4	1.2	16.7
233	Women's and misses' outerwear -----	E1	37	20	1.6	11.2	1.6	2.6	9.7	14.3	2.2	16.4	0.1	2.3	14.0
234	Women's and children's undergarments -----	-	8	6	0.7	5.5	0.6	0.8	3.0	9.0	9.3	17.9	0.2	1.0	8.2
239	Miscellaneous fabricated textile products -----	E3	16	9	0.6	3.6	0.5	0.8	2.6	6.7	10.9	17.4	0.1	0.5	4.0
25	Furniture and fixtures -----	-	26	12	1.2	12.6	0.9	1.7	8.7	24.0	21.3	46.1	(D)	1.6	24.5
259	Miscellaneous furniture and fixtures -----	-	6	4	0.8	9.0	0.5	1.0	5.8	17.4	14.3	32.6	(D)	0.9	14.7
26	Paper and allied products ---	-	25	15	1.1	14.4	0.8	1.7	9.2	30.0	36.5	66.2	3.8	1.5	26.1
265	Paperboard containers and boxes -----	-	16	12	0.8	11.0	0.6	1.2	6.6	21.2	25.6	46.5	3.5	1.2	17.9
2653	Corrugated and solid fiber boxes -----	-	7	7	0.6	7.6	0.4	0.8	4.0	13.7	18.5	32.1	(D)	(NA)	(NA)
27	Printing and publishing -----	-	196	47	4.7	57.3	3.0	5.6	32.7	107.9	54.1	161.6	5.2	4.8	75.2
2711	Newspapers -----	-	22	6	1.6	17.8	0.7	1.3	7.7	37.3	11.2	48.4	1.0	(NA)	(NA)
275	Commercial printing -----	E1	113	28	2.2	29.6	1.8	3.3	19.8	50.1	29.8	79.5	2.6	2.3	36.8
28	Chemicals and allied products -----	-	45	18	3.1	50.3	1.6	3.3	22.7	177.3	197.6	369.6	8.3	4.0	113.5
289	Miscellaneous chemical products -----	-	15	7	0.5	7.1	0.2	0.4	1.8	23.9	23.2	46.7	1.5	0.5	14.6
30	Rubber and miscellaneous plastics products -----	-	74	28	5.2	67.9	3.5	7.1	39.7	115.6	160.1	263.8	15.8	7.7	110.9
3069	Fabricated rubber products, n.e.c. -----	E1	16	6	0.5	6.4	0.4	0.8	3.7	13.6	9.9	23.5	0.3	(NA)	(NA)

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	New Haven County—Con.														
32	Stone, clay, and glass products -----	-	45	18	1.3	14.9	0.9	1.8	8.7	29.4	32.5	62.2	1.3	1.8	28.6
3231	Products of purchased glass -----	-	7	5	0.5	4.0	0.4	0.8	3.0	7.2	5.3	12.5	0.2	(NA)	(NA)
327	Concrete, gypsum, and plaster products -----	-	20	6	0.5	6.2	0.3	0.6	3.5	12.4	13.2	25.9	0.6	0.8	16.9
33	Primary metal industries -----	-	78	51	8.4	130.8	6.1	12.6	87.3	270.7	449.3	718.4	20.1	11.0	222.9
331	Blast furnace and basic steel products -----	-	11	10	2.1	38.6	1.5	3.1	25.5	85.0	100.8	185.3	8.2	1.8	36.0
332	Iron and steel foundries ---	E1	8	5	0.6	7.5	0.4	0.9	5.4	13.4	7.3	20.7	1.0	0.8	12.4
335	Nonferrous rolling and drawing -----	-	26	23	4.8	74.0	3.5	7.3	49.6	151.6	298.9	449.9	8.4	7.4	160.0
3351	Copper rolling and drawing -----	-	9	9	2.7	43.7	2.1	4.6	33.2	91.7	219.1	309.2	3.8	(NA)	(NA)
3357	Nonferrous wire drawing and insulating -----	-	12	9	1.9	25.9	1.2	2.4	13.6	50.4	59.3	111.2	(D)	(NA)	(NA)
34	Fabricated metal products ---	-	299	129	15.7	195.0	11.8	24.6	128.2	404.6	278.8	683.0	26.5	16.5	305.8
342	Cutlery, hand tools, and hardware -----	-	31	19	3.8	45.7	2.9	5.7	30.5	134.2	61.9	198.1	6.4	4.5	107.9
344	Fabricated structural metal products -----	-	48	14	0.9	12.8	0.7	1.3	8.1	26.0	23.0	48.9	0.8	1.0	16.1
345	Screw machine products, bolts, etc. -----	-	85	39	3.0	35.3	2.3	5.0	24.0	64.7	50.7	114.4	2.8	2.9	46.1
3451	Screw machine products -----	E1	68	30	1.8	18.7	1.5	3.0	13.1	31.9	24.4	56.1	1.6	(NA)	(NA)
3452	Bolts, nuts, rivets, and washers -----	-	17	8	1.2	16.6	0.9	2.0	10.9	32.8	26.4	58.3	1.3	(NA)	(NA)
346	Metal forgings and stampings -----	-	48	27	3.1	37.8	2.4	5.1	26.3	75.2	65.7	136.9	10.5	2.3	37.7
3469	Metal stampings, n.e.c. ---	-	44	24	2.6	30.4	1.9	4.2	21.9	60.8	56.5	113.9	8.2	(NA)	(NA)
348	Ordinance and accessories, n.e.c. -----	-	8	5	3.1	43.0	2.2	4.9	26.4	58.2	37.2	97.7	(D)	3.6	54.2
3484	Small arms -----	-	8	5	3.1	43.0	2.2	4.9	26.4	58.2	37.2	97.7	(D)	(NA)	(NA)
349	Miscellaneous fabricated metal products -----	E1	37	11	0.9	10.1	0.7	1.4	6.7	21.2	23.3	45.0	1.5	1.5	29.9
3499	Fabricated metal products, n.e.c. -----	E1	21	7	0.5	5.1	0.4	0.8	3.5	9.9	7.2	17.0	0.5	(NA)	(NA)
35	Machinery, except electrical ---	E1	305	63	8.2	114.2	5.2	10.3	60.3	207.8	117.5	317.1	9.6	7.9	127.3
354	Metalworking machinery ---	E1	114	25	2.9	40.8	1.9	3.8	23.0	75.9	33.6	103.1	3.6	2.4	37.3
3544	Special dies, tools, jigs, and fixtures -----	E3	69	10	0.6	8.3	0.5	1.0	6.0	13.1	4.8	17.7	(D)	(NA)	(NA)
3545	Machine tool accessories -----	-	20	5	0.6	7.3	0.4	0.8	4.6	14.9	4.4	18.8	(D)	(NA)	(NA)
356	General industrial machinery -----	-	32	10	1.8	24.4	1.0	2.1	10.6	46.3	31.1	78.0	2.3	1.0	12.3
3569	General industrial machinery, n.e.c. -----	-	17	6	1.3	16.8	0.7	1.5	7.3	31.3	21.7	53.6	(D)	(NA)	(NA)
359	Miscellaneous machinery, except electrical -----	E2	111	19	1.4	18.0	1.0	2.0	11.7	29.3	18.7	47.4	2.1	1.5	19.3
3599	Machinery, except electrical, n.e.c. -----	E2	111	19	1.4	18.0	1.0	2.0	11.7	29.3	18.7	47.4	2.1	(NA)	(NA)
36	Electric and electronic equipment -----	-	103	44	7.1	77.7	4.7	9.3	42.1	175.2	120.1	288.4	11.5	5.6	73.7
362	Electrical industrial apparatus -----	-	18	6	1.2	14.0	0.8	1.6	8.2	31.1	18.5	48.0	1.7	1.0	7.0
364	Electric lighting and wiring equipment -----	-	17	11	0.9	9.2	0.7	1.4	5.5	22.2	16.9	38.4	(D)	0.7	9.6
3643	Current-carrying wiring devices -----	-	6	5	0.6	5.7	0.4	0.9	3.5	12.1	7.6	19.7	(D)	(NA)	(NA)
366	Communication equipment -	-	14	5	1.1	11.8	0.7	1.3	5.5	19.3	7.0	24.9	(D)	1.1	10.0
367	Electronic components and accessories -----	E1	35	14	1.8	17.5	1.4	2.8	12.2	36.3	27.4	64.0	4.2	1.4	21.7
3679	Electronic components, n.e.c. -----	E3	27	10	0.9	9.2	0.7	1.4	6.0	18.0	13.6	31.4	1.7	(NA)	(NA)
369	Miscellaneous electrical equipment and supplies ---	-	10	7	2.0	23.9	1.2	2.1	10.1	64.0	47.0	107.5	1.6	(NA)	(NA)
37	Transportation equipment ---	-	30	14	6.1	81.5	4.7	9.6	59.5	181.5	167.1	350.9	(D)	5.0	80.7
38	Instruments and related products -----	-	54	28	6.7	83.2	3.9	7.5	38.6	206.7	254.9	457.5	4.6	6.4	103.8
382	Measuring and controlling devices -----	-	20	10	2.4	30.7	1.4	2.6	13.4	66.7	27.3	89.4	1.7	2.2	28.4
39	Miscellaneous manufacturing industries -----	-	82	30	6.8	82.8	5.2	9.9	54.3	229.2	139.1	360.0	19.7	7.2	127.5
396	Costume jewelry and notions -----	-	23	13	3.0	34.2	2.3	4.3	21.9	74.8	50.0	122.3	(D)	3.0	44.4
3964	Needles, pins, and fasteners -----	-	15	8	1.3	15.9	1.0	1.9	10.0	38.5	31.8	67.7	(D)	(NA)	(NA)
--	Administrative and auxiliary --	-	31	24	4.2	83.2	-	-	-	-	-	-	-	(NA)	(NA)
	New London County -----	-	237	87	39.2	547.9	24.6	47.3	285.7	1 024.0	738.0	1 748.8	46.0	26.4	426.8
22	Textile mill products -----	-	9	7	0.6	5.6	0.6	1.2	4.6	11.6	8.4	20.0	0.2	1.1	21.7
34	Fabricated metal products ---	-	23	11	2.3	26.1	1.8	3.4	17.5	53.8	33.7	85.7	2.8	2.1	33.9
349	Miscellaneous fabricated metal products -----	-	6	4	0.9	8.5	0.7	1.3	5.9	18.5	11.1	28.9	(D)	0.7	7.6
35	Machinery, except electrical --	-	30	4	1.4	22.7	0.8	1.8	10.8	55.9	28.9	80.9	3.1	1.8	37.5

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

For explanation of terms, see appendix B1

SIC code	County and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
3069	Tolland County -----	-	130	35	4.2	45.4	2.6	5.0	21.4	81.8	70.9	152.6	3.9	5.0	64.5
	Windham County -----	-	162	75	12.4	133.8	9.7	19.0	91.9	276.3	330.2	604.7	14.4	12.9	214.2
	Fabricated rubber products, n.e.c. -----	-	4	4	0.9	9.7	0.7	1.4	6.4	18.1	10.8	29.0	(D)	(NA)	(NA)

Note: "County" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities and Towns: 1977 and 1972

[Includes cities and towns with 450 employees or more and industry groups and industries with 450 employees or more within cities and towns, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

Individual companies. For explanation of terms, see appendix B.]

SIC code	City, town, and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
34	Ansonia -----	-	24	11	2.7	40.8	1.9	3.8	25.1	69.2	96.7	163.4	2.7	(D)	(D)
	Berlin town -----	-	84	31	3.6	46.1	2.6	5.4	30.0	86.1	63.8	147.1	4.1	4.2	62.8
	Fabricated metal products ---	-	18	8	2.1	27.7	1.5	3.0	18.0	48.5	30.3	76.5	1.2	2.8	39.4
	Bethel town -----	-	44	20	1.8	20.8	1.2	2.3	11.6	40.3	32.9	71.6	1.4	1.3	30.3
27	Bloomfield town -----	-	70	33	3.3	43.6	2.0	3.8	22.0	82.2	50.6	132.2	5.3	4.1	58.8
	Printing and publishing -----	-	12	6	0.6	7.5	0.5	0.7	5.1	14.1	7.2	21.3	(D)	0.5	7.4
34	Fabricated metal products ---	E1	16	5	0.6	7.5	0.4	0.8	4.3	17.7	8.8	25.0	0.7	0.9	12.6
34	Branford town -----	-	73	16	2.4	31.8	1.5	3.1	16.5	64.2	57.0	119.1	2.8	1.6	18.6
	Fabricated metal products ---	-	15	4	0.7	9.4	0.4	0.8	4.7	18.4	16.1	33.9	(D)	(NA)	(NA)
	Bridgeport -----	-	430	152	25.9	344.3	18.3	36.7	212.3	655.4	607.3	1 248.9	29.7	29.4	458.9
20	Food and kindred products --	-	16	5	0.7	8.9	0.4	0.9	4.7	21.9	24.3	45.9	1.7	0.7	10.8
23	Apparel and other textile products -----	E1	37	24	1.4	9.3	1.2	2.2	7.3	15.2	12.1	27.7	0.2	2.0	14.3
233	Women's and misses' outerwear -----	-	14	12	0.7	4.5	0.6	1.1	4.0	6.1	1.6	7.7	0.1	(NA)	(NA)
27	Printing and publishing -----	E1	52	9	1.1	14.4	0.5	1.1	8.1	24.9	10.6	35.4	2.7	1.1	18.5
30	Rubber and miscellaneous plastics products -----	-	16	8	0.9	9.3	0.8	1.5	6.5	19.1	12.5	31.5	1.1	0.9	11.8
3079	Miscellaneous plastics products -----	-	12	6	0.7	7.3	0.6	1.2	5.5	15.2	10.9	26.1	1.0	(NA)	(NA)
33	Primary metal industries -----	-	22	11	3.2	51.1	2.3	4.8	34.6	101.5	190.2	285.7	6.9	2.8	60.4
34	Fabricated metal products ---	-	63	25	4.3	51.8	3.1	6.1	34.3	95.7	76.8	171.5	4.3	5.7	78.9
342	Cutlery, hand tools, and hardware -----	-	7	4	1.4	16.4	1.0	2.1	11.2	31.7	23.7	52.1	(D)	(NA)	(NA)
347	Metal services, n.e.c. -----	-	20	6	0.5	4.2	0.4	0.8	3.0	7.4	3.6	11.0	0.2	(NA)	(NA)
35	Machinery, except electrical --	-	94	18	3.8	57.5	2.9	6.4	42.5	141.3	81.0	216.5	5.9	3.5	79.2
36	Electric and electronic equipment -----	-	27	13	4.9	60.9	3.7	7.1	38.7	138.4	108.9	244.2	2.0	6.1	113.1
367	Electronic components and accessories -----	-	10	4	0.6	4.9	0.5	0.9	3.6	8.6	6.9	15.5	0.5	(NA)	(NA)
38	Instruments and related products -----	-	12	5	0.9	11.1	0.5	1.1	6.1	23.8	20.3	44.7	(D)	1.0	16.2
382	Measuring and controlling devices -----	-	4	3	0.6	8.2	0.4	0.7	4.2	17.5	17.5	35.8	(D)	(NA)	(NA)
--	Administrative and auxiliary --	-	7	5	1.0	22.7	-	-	-	-	-	-	-	(NA)	(NA)

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities and Towns: 1977 and 1972—Con.

[Includes cities and towns with 450 employees or more and industry groups and industries with 450 employees or more within cities and towns, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City, town, and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
34	Bristol -----	-	134	47	8.8	130.0	7.0	13.6	93.8	223.1	151.9	368.8	7.6	(D)	(D)
	Fabricated metal products ---	-	52	24	2.0	24.7	1.6	3.2	17.3	53.1	37.9	85.4	1.8	(NA)	(NA)
	Cheeshire town -----	-	44	16	2.7	35.7	1.7	3.5	18.0	63.9	43.9	102.7	3.2	2.3	33.9
	Danbury -----	-	177	69	11.2	148.4	5.5	13.2	69.8	330.7	240.0	568.8	16.1	9.8	215.6
34	Fabricated metal products ---	-	24	9	0.9	12.2	0.5	1.1	5.7	32.0	19.4	52.9	0.6	0.8	16.6
35	Machinery, except electrical --	-	39	13	2.2	30.2	1.6	3.3	19.1	67.2	53.1	119.3	2.8	(NA)	(NA)
36	Electric and electronic equipment -----	-	19	13	2.4	30.0	1.5	3.2	16.1	80.7	42.4	121.2	7.4	2.2	41.9
367	Electronic components and accessories -----	-	11	6	1.5	17.7	1.1	2.3	11.0	42.2	30.5	72.7	(D)	(NA)	(NA)
38	Miscellaneous manufacturing industries -----	-	9	5	1.0	11.2	0.6	1.2	5.8	21.9	17.5	39.3	(D)	(NA)	(NA)
-	Administrative and auxiliary --	-	5	5	1.0	12.5	-	-	-	-	-	-	-	(NA)	(NA)
	Derby -----	-	33	10	1.3	15.8	1.1	2.2	12.3	29.5	20.5	50.1	(D)	2.4	32.4
	East Hartford town -----	-	104	29	23.0	413.3	11.7	24.1	173.7	742.9	679.5	1 423.3	36.3	27.2	413.5
	East Haven town -----	-	24	5	0.7	5.2	0.5	1.0	3.7	8.3	8.1	16.2	0.1	0.6	8.5
	Enfield town -----	-	50	18	1.5	17.9	0.7	1.4	7.4	27.0	49.4	78.5	1.0	1.0	20.2
	Fairfield town -----	-	106	44	4.4	88.8	2.7	5.7	32.7	113.7	183.4	295.1	3.9	3.4	74.7
	Fabricated metal products ---	-	12	6	0.7	11.4	0.5	1.2	7.1	25.8	10.0	35.3	1.5	0.6	14.6
	Machinery, except electrical --	-	22	8	0.8	10.6	0.5	1.1	6.4	20.9	11.7	32.6	0.5	0.5	7.6
	General industrial machinery -----	-	3	3	0.5	6.8	0.3	0.8	4.4	13.1	8.4	21.5	(D)	(NA)	(NA)
	Farmington town -----	-	60	30	3.1	42.3	2.0	4.2	22.7	76.2	42.7	118.0	2.6	2.5	42.0
34	Fabricated metal products ---	-	15	7	0.9	10.9	0.7	1.5	8.0	17.9	8.3	26.2	0.7	0.7	10.2
35	Machinery, except electrical --	-	10	7	0.6	7.7	0.4	0.8	4.9	15.3	7.1	21.8	0.5	0.5	9.2
	Glastonbury town -----	-	48	15	1.0	11.5	0.8	1.6	7.8	24.7	23.9	48.7	1.7	0.8	11.2
	Greenwich town -----	-	138	52	10.7	219.1	2.5	4.9	30.3	183.2	94.3	282.3	6.2	8.1	94.5
	Printing and publishing -----	-	34	8	0.6	10.8	0.1	0.3	1.5	26.1	8.2	38.7	0.5	0.5	10.3
	Administrative and auxiliary --	-	41	30	6.4	154.9	-	-	-	-	-	-	-	(NA)	(NA)
	Groton town -----	-	23	4	0.5	6.7	0.4	0.7	4.6	15.1	9.8	24.6	0.4	(NA)	(NA)
	Gulford town -----	-	39	12	0.9	9.7	0.6	1.2	6.1	32.8	29.3	62.2	1.4	1.0	14.7
	Hamden town -----	-	120	48	4.3	50.4	3.3	6.3	31.6	91.9	100.2	194.4	5.6	7.5	114.0
	Fabricated metal products ---	-	12	8	0.6	7.4	0.5	0.9	5.2	12.4	9.2	23.5	0.4	2.9	39.5
35	Machinery, except electrical --	-	25	6	0.8	10.2	0.5	1.0	4.9	19.9	13.1	32.9	1.1	0.6	10.4
356	General industrial machinery -----	-	6	3	0.6	8.1	0.4	0.8	3.5	16.5	11.7	28.1	(D)	(NA)	(NA)
36	Electric and electronic equipment -----	E1	13	6	0.5	7.2	0.3	0.7	4.1	16.4	12.1	27.7	1.8	(NA)	(NA)
	Hartford -----	-	195	76	10.7	146.9	6.8	13.8	72.4	278.4	214.1	489.1	11.6	12.8	215.1
20	Food and kindred products --	-	18	6	0.8	11.0	0.6	1.2	7.2	84.6	92.1	176.6	(D)	0.7	59.6
27	Printing and publishing -----	-	47	12	1.6	20.2	0.9	1.6	9.8	40.1	25.8	65.9	(D)	2.3	34.5
34	Fabricated metal products ---	-	18	7	1.9	23.1	1.3	2.7	15.6	42.0	30.2	71.5	1.2	2.6	39.4
-	Administrative and auxiliary --	-	8	6	1.1	27.4	-	-	-	-	-	-	-	(NA)	(NA)
	Killingly town -----	-	12	10	2.8	32.1	2.2	4.2	21.9	65.8	64.9	129.9	3.8	1.7	23.9
	Manchester town -----	-	126	40	4.0	45.3	2.6	5.1	24.6	81.7	71.6	152.3	4.8	3.7	54.2
	Printing and publishing -----	-	18	6	0.6	5.8	0.3	0.5	3.0	12.2	13.0	25.1	(D)	(NA)	(NA)
	Machinery, except electrical --	E1	34	11	0.7	10.5	0.5	1.1	6.4	17.7	7.1	24.3	0.9	0.5	8.4
	Middletown -----	-	60	28	6.9	97.4	4.6	9.3	56.7	220.9	171.3	372.7	11.3	6.8	101.7
34	Fabricated metal products ---	-	10	6	0.7	8.2	0.5	1.0	5.5	14.6	9.8	25.9	0.4	1.2	14.5

See footnotes at end of table.

**Table 8. Statistics by Selected Industry Group and Industry for Selected Cities and Towns:
1977 and 1972—Con.**

[Includes cities and towns with 450 employees or more and industry groups and industries with 450 employees or more within cities and towns, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

individual companies. For explanation of terms, see appendix B]

SIC code	City, town, and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Milford -----	-	144	57	7.4	95.5	4.8	9.4	54.8	259.0	119.7	375.7	(D)	6.3	167.8
34	Fabricated metal products ---	-	26	16	2.0	24.8	1.4	2.8	16.5	89.8	31.8	121.2	7.4	2.2	74.3
35	Machinery, except electrical --	E1	51	13	0.8	11.0	0.6	1.3	7.5	21.3	12.3	33.3	1.0	0.8	14.4
36	Electric and electronic equipment -----	-	13	7	1.0	9.6	0.7	1.4	6.7	19.7	15.3	36.0	2.4	1.2	19.4
38	Instruments and related products -----	E1	7	6	0.8	7.9	0.4	0.8	4.1	11.7	8.0	19.2	(D)	(NA)	(NA)
	Monroe town -----	-	15	3	0.5	6.2	0.4	0.9	3.7	10.5	6.3	16.6	(D)	(NA)	(NA)
	Montville town -----	-	15	7	1.9	27.2	1.1	2.3	14.3	64.9	60.4	125.2	(D)	1.0	16.3
	Naugatuck -----	-	35	15	5.1	67.4	3.2	6.4	35.1	155.1	205.0	341.7	8.2	7.5	105.9
	New Britain -----	-	167	60	12.4	167.0	8.9	17.9	108.3	376.4	231.9	604.9	17.5	13.0	247.8
349	Miscellaneous fabricated metal products -----	E1	13	7	0.9	11.6	0.6	1.2	6.4	27.0	28.6	55.5	1.4	(NA)	(NA)
354	Metalworking machinery ---	-	32	8	1.2	19.4	0.8	1.7	11.6	34.6	15.8	49.4	1.0	(NA)	(NA)
	New Haven -----	-	244	95	13.8	166.6	8.7	16.4	82.2	268.6	228.7	491.5	11.0	13.7	203.1
20	Food and kindred products --	E1	18	6	0.5	5.5	0.2	0.4	2.0	9.5	15.2	24.7	(D)	0.7	10.6
23	Apparel and other textile products -----	-	37	21	2.4	17.0	2.0	3.2	11.1	40.3	31.7	66.2	0.5	2.8	26.3
27	Printing and publishing -----	-	44	8	1.4	16.2	0.9	1.6	9.0	29.6	11.6	41.2	1.1	1.5	23.7
33	Primary metal industries -----	-	7	4	1.1	17.1	0.8	1.5	10.3	30.6	50.2	80.0	(D)	1.3	29.8
34	Fabricated metal products ---	-	25	10	3.4	44.4	2.3	4.9	26.4	65.9	44.1	112.0	2.5	2.4	37.9
342	Cutlery, hand tools, and hardware -----	-	3	3	1.3	15.2	0.9	1.9	10.3	31.8	18.4	50.9	(D)	(NA)	(NA)
3429	Hardware, n.e.c. -----	-	3	3	1.3	15.2	0.9	1.9	10.3	31.8	18.4	50.9	(D)	(NA)	(NA)
35	Machinery, except electrical --	-	24	9	1.0	12.1	0.6	1.2	6.2	23.5	8.8	32.2	1.0	1.7	30.0
	Newington town -----	-	73	27	3.0	41.3	1.9	3.8	23.4	81.6	96.5	177.4	6.5	2.8	49.4
35	Machinery, except electrical --	-	23	6	0.6	9.2	0.4	0.9	5.8	16.7	11.4	27.8	0.4	(NA)	(NA)
354	Metalworking machinery ---	-	12	6	0.5	8.6	0.4	0.8	5.3	15.2	10.8	25.8	0.3	(NA)	(NA)
	New London -----	-	35	9	1.4	13.8	1.1	2.0	9.1	25.0	14.8	39.5	1.2	1.5	18.2
	New Milford town -----	-	35	12	2.3	29.8	1.8	3.8	22.8	130.9	120.1	251.6	3.6	1.9	68.6
36	Electric and electronic equipment -----	-	6	4	0.5	4.4	0.3	0.6	2.2	10.7	7.2	17.9	(D)	(NA)	(NA)
	Newtown town -----	-	38	17	1.7	21.5	1.1	2.2	12.2	42.5	39.8	83.0	2.8	1.4	27.4
	North Haven town -----	-	87	43	8.6	122.4	6.4	13.6	82.3	264.2	247.1	512.7	19.0	8.9	157.9
27	Printing and publishing -----	-	14	7	0.6	8.1	0.4	0.9	5.1	15.1	11.7	26.9	1.3	(NA)	(NA)
33	Primary metal industries -----	-	9	7	0.6	8.7	0.4	0.8	4.9	18.3	24.9	42.6	1.7	0.7	10.7
34	Fabricated metal products ---	-	13	7	1.5	21.3	1.2	2.6	14.1	43.1	30.2	72.5	1.8	1.4	29.9
	Norwalk -----	-	253	101	11.9	163.2	7.2	14.0	69.2	318.7	233.3	549.0	14.3	15.3	285.1
20	Food and kindred products --	-	10	4	1.1	15.2	0.6	1.1	7.1	35.4	32.4	67.6	(D)	(NA)	(NA)
27	Printing and publishing -----	-	35	11	1.0	13.1	0.8	1.5	7.5	24.4	15.2	40.1	1.4	2.1	51.1
36	Electric and electronic equipment -----	-	36	20	2.3	38.9	1.1	2.3	11.3	46.0	37.4	81.0	5.3	(NA)	(NA)
	Norwich -----	-	49	26	4.1	38.3	3.0	5.8	23.8	79.7	95.3	173.8	4.3	4.1	68.1
27	Printing and publishing -----	-	6	5	0.5	4.0	0.3	0.6	2.5	7.2	3.0	10.2	0.9	(NA)	(NA)
	Orange town -----	-	30	11	0.9	11.0	0.6	1.2	5.2	16.9	19.5	36.1	0.6	(D)	(D)
	Plainfield town -----	-	30	13	2.8	32.4	2.3	4.5	25.1	62.5	75.0	138.1	2.7	3.2	53.7
	Plainville town -----	-	72	23	4.4	60.3	3.3	6.5	38.0	129.2	116.3	240.0	5.4	4.8	92.0
34	Fabricated metal products ---	E1	20	7	0.5	5.5	0.4	0.8	3.5	10.4	5.9	16.1	(D)	0.6	7.7
35	Machinery, except electrical --	-	28	4	1.0	14.1	0.8	1.5	10.8	30.4	9.7	38.9	1.0	1.2	22.0
	Portland town -----	-	18	7	0.9	13.9	0.6	1.2	7.9	25.7	19.5	45.4	0.6	0.9	15.2
	Putnam -----	-	28	14	2.1	19.6	1.6	3.2	12.7	49.9	44.8	92.7	3.5	1.7	34.0
22	Textile mill products -----	-	5	4	0.9	7.6	0.8	1.5	5.3	18.6	13.6	31.2	(D)	(NA)	(NA)
	Ridgefield town -----	-	31	9	1.1	13.8	0.5	1.2	4.9	14.8	13.4	29.9	0.4	(D)	(D)

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities and Towns: 1977 and 1972—Con.

[Includes cities and towns with 450 employees or more and industry groups and industries with 450 employees or more within cities and towns, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City, town, and industry	1977												1972	
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Rocky Hill town-----	-	25	8	1.2	17.6	1.0	1.9	11.8	32.9	43.9	76.6	(D)	0.9	15.2
	Shelton-----	-	76	32	4.0	51.1	2.7	5.0	25.2	119.7	100.4	216.0	4.9	4.0	77.8
34	Fabricated metal products---	-	12	8	1.1	13.8	0.8	1.5	7.2	29.5	18.1	48.9	0.5	0.8	20.0
35	Machinery, except electrical--	-	13	5	0.5	5.3	0.3	0.6	3.0	12.8	6.1	18.8	0.2	(NA)	(NA)
	Southington town-----	-	118	39	6.9	92.6	5.4	10.9	67.8	187.3	129.1	305.7	14.2	6.0	99.1
34	Fabricated metal products---	-	41	21	1.8	20.1	1.5	2.9	14.5	43.8	30.4	74.0	2.8	1.3	20.8
346	Metal forgings and stampings-----	-	11	7	0.6	6.7	0.5	0.8	5.0	15.3	14.0	29.1	0.4	(NA)	(NA)
35	Machinery, except electrical--	E2	36	5	0.5	5.8	0.3	0.7	3.8	12.9	5.3	17.9	(D)	0.5	8.3
	South Windsor town-----	-	44	17	1.7	24.7	1.1	2.4	13.6	44.9	33.9	77.2	3.0	1.3	21.1
35	Machinery, except electrical--	-	18	5	0.6	10.0	0.4	0.8	4.9	21.2	11.4	31.6	2.2	(NA)	(NA)
	Stafford Springs-----	-	14	6	0.6	5.6	0.5	0.9	3.9	14.9	14.8	30.2	0.6	1.4	19.8
	Stamford-----	-	342	131	22.3	396.5	8.1	15.7	91.4	598.1	417.3	1 013.7	31.1	18.5	378.8
27	Printing and publishing-----	E1	78	15	1.0	17.3	0.6	1.2	9.6	33.5	13.2	46.6	1.3	1.1	27.9
35	Machinery, except electrical--	-	54	14	5.4	84.4	2.4	4.8	28.6	150.4	80.6	227.2	10.5	(NA)	(NA)
366	Communication equipment-----	-	8	5	0.7	12.1	0.4	0.8	5.7	23.6	16.5	39.5	(D)	(NA)	(NA)
3662	Radio and TV communication equipment-----	-	8	5	0.7	12.1	0.4	0.8	5.7	23.6	16.5	39.5	(D)	(NA)	(NA)
-	Administrative and auxiliary--	-	48	33	7.9	188.9	-	-	-	-	-	-	-	(NA)	(NA)
	Stonington town-----	-	37	12	2.5	33.2	1.6	3.3	17.3	73.5	45.3	115.6	3.7	2.4	43.3
36	Electric and electronic equipment-----	-	3	2	0.5	5.1	0.3	0.5	2.5	9.8	9.2	19.5	(D)	(NA)	(NA)
	Stratford town-----	-	146	47	14.2	241.7	7.5	15.5	103.9	464.1	349.9	806.7	28.5	15.9	267.7
30	Rubber and miscellaneous plastics products-----	-	11	4	0.7	10.2	0.6	1.1	6.8	30.9	31.2	61.9	(D)	(NA)	(NA)
34	Fabricated metal products---	E2	19	8	0.5	5.7	0.4	0.7	3.7	9.8	6.8	17.1	0.5	(NA)	(NA)
35	Machinery, except electrical--	E1	42	6	0.5	8.0	0.4	0.7	5.3	14.0	7.0	20.9	0.7	0.7	12.0
37	Transportation equipment---	-	7	4	9.6	173.2	4.7	9.9	69.6	337.3	242.0	572.5	16.2	(NA)	(NA)
38	Instruments and related products-----	-	6	5	1.3	20.5	0.7	1.3	9.6	39.6	12.8	51.8	1.5	(NA)	(NA)
	Torrington-----	-	52	22	4.6	48.1	3.3	6.6	33.1	101.8	70.0	171.8	3.0	5.3	69.6
	Trumbull town-----	-	23	9	2.3	41.5	0.6	1.0	5.7	62.3	27.9	93.0	(D)	2.0	52.5
-	Administrative and auxiliary--	-	3	3	0.7	14.5	-	-	-	-	-	-	-	(NA)	(NA)
	Vernon town-----	-	46	15	2.5	28.0	1.3	2.5	10.2	35.2	39.2	74.5	1.7	2.6	27.2
	Wallingford town-----	-	110	45	6.9	93.8	4.6	8.8	53.0	218.7	171.7	389.8	14.3	5.9	127.7
33	Primary metal industries-----	-	8	6	1.5	26.9	1.0	2.0	16.1	60.6	53.3	113.1	7.1	1.4	27.3
35	Machinery, except electrical--	-	13	6	0.5	6.8	0.3	0.6	3.1	12.2	7.1	19.8	(D)	(NA)	(NA)
36	Electric and electronic equipment-----	-	10	6	1.1	13.1	0.6	1.2	5.4	35.7	14.3	49.5	3.3	0.8	11.6
39	Miscellaneous manufacturing industries-----	-	9	6	1.5	17.6	1.1	2.0	11.6	36.1	33.4	68.2	0.9	(NA)	(NA)
233	Waterbury-----	-	230	107	14.4	174.6	10.1	20.4	106.3	344.3	341.3	669.8	17.7	20.0	326.2
	Women's and misses' outerwear-----	-	9	6	0.5	3.5	0.5	0.8	3.1	6.0	0.7	6.7	(Z)	(NA)	(NA)
27	Printing and publishing-----	E1	19	3	0.5	6.5	0.3	0.5	3.1	11.9	4.6	16.6	0.5	(NA)	(NA)
33	Primary metal industries-----	-	14	10	1.6	25.6	1.2	2.7	18.4	61.4	137.3	196.0	2.0	4.6	96.6
335	Nonferrous rolling and drawing-----	-	5	5	1.1	18.9	0.9	2.1	14.2	45.0	86.5	128.6	0.6	(NA)	(NA)
34	Fabricated metal products---	-	76	39	3.5	41.9	2.9	6.4	31.0	81.1	74.1	153.5	7.5	3.7	59.9
345	Screw machine products, bolts, etc.-----	E1	29	16	1.2	14.9	1.0	2.3	11.1	26.5	22.7	49.2	1.3	(NA)	(NA)
346	Metal forgings and stampings-----	-	18	11	1.6	19.5	1.4	3.0	15.1	39.5	39.5	77.6	5.1	(NA)	(NA)
35	Machinery, except electrical--	-	42	9	1.2	15.1	0.8	1.4	9.1	31.0	16.3	45.0	0.7	0.8	12.7
36	Electric and electronic equipment-----	-	8	5	0.9	9.0	0.7	1.3	5.3	14.0	6.9	19.3	0.8	0.7	5.4
39	Miscellaneous manufacturing industries-----	-	11	5	1.1	11.9	0.8	1.5	7.6	29.0	19.9	46.5	2.0	1.7	26.2
3964	Needles, pins, and fasteners-----	-	8	4	1.0	11.0	0.7	1.4	7.0	26.7	16.8	41.1	2.0	(NA)	(NA)

See footnotes at end of table.

**Table 8. Statistics by Selected Industry Group and Industry for Selected Cities and Towns:
1977 and 1972—Con.**

[Includes cities and towns with 450 employees or more and industry groups and industries with 450 employees or more within cities and towns, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

individual companies. For explanation of terms, see appendix B]

SIC code	City, town, and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expendi- tures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
35	Watertown town -----	-	62	17	2.0	24.5	1.5	3.1	15.8	48.4	44.0	94.4	4.4	1.8	35.8
	West Hartford town -----	-	117	32	7.1	90.1	4.7	9.3	50.9	208.2	133.7	337.0	8.1	7.3	129.0
	Machinery, except electrical --	-	28	12	2.7	36.7	1.8	3.9	22.7	83.1	45.7	129.0	4.8	2.6	51.3
	West Haven -----	-	92	38	3.7	50.1	2.5	4.9	29.5	118.6	120.4	236.9	6.2	3.6	84.3
30	Rubber and miscellaneous plastics products -----	-	9	5	1.1	19.3	0.9	1.8	13.9	36.4	65.4	100.0	(D)	(NA)	(NA)
	Westport town -----	-	51	11	1.3	25.2	0.3	0.5	2.0	16.2	10.8	26.8	0.8	(D)	(D)
	Willimantic -----	-	21	10	2.3	24.6	1.7	3.3	15.4	43.1	66.9	110.7	2.7	2.9	52.0
	Wilton town -----	-	25	7	2.6	44.3	1.2	2.3	11.5	51.9	35.9	83.7	3.9	1.5	30.6
	Winchester town -----	-	38	16	1.3	13.6	1.1	2.2	10.0	24.1	25.1	49.1	1.2	1.3	17.4
	Windsor Locks town -----	-	21	12	8.9	152.3	4.6	9.6	64.2	277.7	176.8	445.9	12.4	7.6	144.7
	Windsor town -----	-	37	24	8.5	134.5	3.7	8.2	47.2	129.2	96.3	220.5	8.4	4.4	72.1
	Machinery, except electrical --	-	11	7	3.6	55.0	2.8	6.5	38.1	100.9	50.7	147.8	6.8	2.2	44.1
35	Wolcott town -----	-	52	13	0.8	9.7	0.7	1.3	6.6	19.0	15.4	34.5	0.9	0.6	9.5
34	Fabricated metal products ---	E1	24	11	0.6	6.6	0.5	1.0	4.7	13.7	11.2	25.1	0.7	(NA)	(NA)

Note: "City" or "town" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO ²
CONNECTICUT	6485	234	5	104	265	197	113	108	852	173	33	255	33	207	229	1007	1341	423	169	209	282	246
1 TO 4 EMPLOYEES	2295	94	-	20	70	110	44	19	432	59	19	78	15	80	46	281	550	129	55	51	116	25
5 TO 9 EMPLOYEES	932	34	-	12	23	32	16	7	114	23	5	32	2	33	38	166	251	43	20	21	34	26
10 TO 19 EMPLOYEES	892	29	1	8	31	27	11	17	110	25	5	35	4	35	23	142	227	45	16	29	42	30
20 TO 49 EMPLOYEES	1068	33	2	20	66	21	20	23	106	37	1	45	5	34	46	210	170	62	30	42	40	55
50 TO 99 EMPLOYEES	533	22	2	10	48	6	9	20	47	14	-	35	3	14	19	95	57	48	14	19	18	33
100 TO 249 EMPLOYEES	447	11	-	22	21	1	8	17	30	5	3	23	3	7	33	77	42	47	10	25	16	46
250 TO 499 EMPLOYEES	177	9	-	9	3	-	5	3	9	3	-	5	-	3	15	22	21	28	8	13	7	14
500 TO 999 EMPLOYEES	101	2	-	3	3	-	-	2	4	-	-	1	1	1	9	9	16	19	5	6	6	10
1000 TO 2499 EMPLOYEES	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	2	4	2	1	6
2500 EMPLOYEES AND OVER	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	7	1	-	1
FAIRFIELD COUNTY	1978	54	1	20	97	42	28	31	343	63	10	80	15	49	58	204	340	177	47	79	97	143
1 TO 4 EMPLOYEES	1255	34	-	7	51	37	16	16	272	41	8	45	9	38	31	121	258	85	33	39	72	42
5 TO 9 EMPLOYEES	493	14	1	8	41	4	9	11	59	19	1	23	4	8	15	63	59	51	7	22	19	55
10 TO 19 EMPLOYEES	129	3	-	2	4	1	2	3	9	1	1	10	2	3	5	12	11	19	1	8	4	28
20 TO 49 EMPLOYEES	101	3	-	3	1	-	1	1	3	2	-	2	-	-	7	8	12	22	6	10	2	18
250 EMPLOYEES AND OVER																						
HARTFORD COUNTY	1676	60	2	5	43	53	35	22	198	32	8	44	6	48	52	325	480	68	46	46	53	50
1 TO 4 EMPLOYEES	1075	36	-	2	18	44	23	11	149	18	6	27	6	30	28	187	355	36	15	21	43	20
5 TO 9 EMPLOYEES	415	15	2	1	22	9	11	8	36	12	-	15	-	14	15	99	93	11	18	15	8	11
10 TO 19 EMPLOYEES	112	6	-	1	2	-	1	2	10	1	2	2	-	3	4	26	14	13	5	6	2	12
20 TO 49 EMPLOYEES	74	3	-	1	1	-	-	1	3	1	-	-	-	1	5	13	18	8	8	4	-	7
250 EMPLOYEES AND OVER																						
LITCHFIELD COUNTY	370	12	-	8	5	16	6	5	30	4	2	14	-	14	19	78	90	31	6	9	16	5
1 TO 4 EMPLOYEES	246	9	-	3	4	14	3	1	25	2	2	8	-	12	11	49	73	14	3	4	7	2
5 TO 9 EMPLOYEES	78	2	-	2	1	2	-	2	4	2	-	5	-	2	3	22	12	9	1	2	5	2
10 TO 19 EMPLOYEES	30	1	-	2	-	-	1	1	1	-	-	1	-	-	5	6	3	4	1	2	2	1
20 TO 49 EMPLOYEES	16	1	-	1	-	-	2	1	-	-	-	-	-	-	-	1	2	4	1	1	2	-
250 EMPLOYEES AND OVER																						
MIDDLESEX COUNTY	303	7	-	7	13	21	6	6	32	12	3	12	-	16	4	54	47	20	18	10	12	3
1 TO 4 EMPLOYEES	200	5	-	4	7	19	5	1	23	8	3	7	-	14	3	32	34	11	10	5	7	2
5 TO 9 EMPLOYEES	71	2	-	1	6	2	-	3	6	3	-	3	-	2	-	19	7	7	4	3	2	1
10 TO 19 EMPLOYEES	19	-	-	2	-	-	1	2	1	-	-	1	-	-	1	2	5	-	1	2	1	-
20 TO 49 EMPLOYEES	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	3	-	2	-
250 EMPLOYEES AND OVER																						
NEW HAVEN COUNTY	1629	70	2	21	87	40	26	25	196	45	8	74	8	45	78	299	305	103	30	54	82	31
1 TO 4 EMPLOYEES	1011	48	1	11	35	32	14	10	149	27	8	46	4	27	27	170	242	59	16	26	52	7
5 TO 9 EMPLOYEES	433	17	1	7	37	8	9	10	38	13	-	22	2	16	26	92	50	28	8	17	17	15
10 TO 19 EMPLOYEES	104	2	-	1	12	-	2	5	6	1	-	4	1	1	15	27	4	6	2	6	5	4
20 TO 49 EMPLOYEES	81	3	-	2	3	-	1	-	3	4	-	2	1	1	10	10	9	10	4	5	8	5
250 EMPLOYEES AND OVER																						
NEW LONDON COUNTY	237	18	-	9	15	10	5	11	29	9	1	7	4	13	7	23	30	10	12	5	10	9
1 TO 4 EMPLOYEES	150	16	-	2	6	9	4	2	21	4	1	3	2	9	2	12	26	5	10	3	6	7
5 TO 9 EMPLOYEES	52	2	-	5	7	1	-	5	5	1	-	3	2	4	2	6	-	1	1	1	4	2
10 TO 19 EMPLOYEES	19	-	-	1	1	-	1	3	1	2	-	1	-	-	-	2	2	2	1	-	-	-
20 TO 49 EMPLOYEES	16	-	-	1	1	-	-	1	2	2	-	-	-	-	1	3	2	2	1	-	-	-
250 EMPLOYEES AND OVER																						
TOLLAND COUNTY	130	2	-	10	-	9	3	1	9	7	-	11	-	9	2	14	28	10	6	2	6	1
1 TO 4 EMPLOYEES	95	1	-	4	-	9	3	-	5	6	-	6	-	9	2	11	24	5	3	1	6	-
5 TO 9 EMPLOYEES	22	1	-	1	-	-	-	1	2	1	-	5	-	-	-	3	2	2	3	1	-	-
10 TO 19 EMPLOYEES	10	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 49 EMPLOYEES	3	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER																						
WINDHAM COUNTY	162	11	-	24	5	6	4	7	15	1	1	13	-	13	9	10	21	4	4	4	6	4
1 TO 4 EMPLOYEES	87	8	-	7	3	5	3	2	12	1	1	3	-	9	3	7	16	2	1	2	1	1
5 TO 9 EMPLOYEES	37	2	-	5	-	1	-	3	3	-	-	4	-	2	4	1	4	1	1	2	3	2
10 TO 19 EMPLOYEES	24	-	-	9	2	-	-	-	1	-	-	-	-	-	1	2	1	1	-	-	-	-
20 TO 49 EMPLOYEES	14	1	-	3	-	-	1	1	-	-	-	2	-	2	1	-	-	-	-	1	-	-
250 EMPLOYEES AND OVER																						

Note: Data on number of establishments by employment size class by 4-digit SIC industry for States, counties, and selected cities and towns are presented in Location of Manufacturing Plants data series. This series is available only on computer tape (see Introduction).
- Represents zero.
¹Only those counties and size classes that include data for manufacturing establishments are shown.

Delaware

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DELAWARE



SUMMARY OF FINDINGS

In 1977, 66.5 thousand persons were employed in Delaware's manufacturing establishments. This figure represented a decrease of 4 percent from the 1972 figure of 69.1 thousand workers.

The total value added by manufacture for the State amounted to \$1,596 million in 1977, an increase of approximately 24 percent from the 1972 figure of \$1,292 million. All dollar figures in this report are in current dollars and are, therefore, not adjusted for changes in price levels.

In the State, the most important industry groups ranked by employment were chemicals and allied products, food and kindred products, rubber and miscellaneous plastics products, and primary metal products. Central administrative and auxiliary units accounted for approximately 37 percent of the State's 1977 employment. These establishments are maintained

by multiunit companies to provide centralized administrative, management, and other services to manufacturing establishments of the same company.

The most important counties in the State ranked by employment were New Castle, Sussex, and Kent.

The methods of data collection and use of administrative records data are discussed in detail in the Introduction. Small single-unit companies with up to 20 employees (the cutoff varied by industry) were excluded from the mail portion of the census. For these establishments (and a small number of larger establishments whose reports were not received in time to be tabulated), statistics on payrolls and receipts were obtained from administrative records of other government agencies. Other statistics were developed from industry averages. For this State, these establishments accounted for 1 percent of the total value of shipments.

Table 1. Historical Employment Statistics for Operating Manufacturing Establishments and Central Administrative Offices: 1977 and Earlier Years

(For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

State, standard metropolitan statistical area, and year	All establishments		Operating manufacturing establishments		Central administrative offices and auxiliaries ¹	
	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)
Delaware:						
1977.....	66.5	1,140.6	42.2	589.9	24.3	550.7
1972.....	64.1	754.5	(D)	(D)	(D)	(D)
1967.....	70.7	588.4	50.6	338.7	20.1	249.7
1963.....	58.3	429.6	41.2	244.5	17.1	185.1
STANDARD CONSOLIDATED STATISTICAL AREA						
Philadelphia-Wilmington-Trenton, Pa.-Del.-N.J.-Md.:						
1977.....	550.5	8,072.4	487.8	6,814.0	62.7	1,258.4
1972.....	597.8	5,900.8	543.5	5,127.6	54.3	773.2
STANDARD METROPOLITAN STATISTICAL AREA						
Wilmington, Del.-N.J.-Md.:						
1977.....	62.8	1,169.3	41.1	669.4	21.7	499.9
1972.....	64.1	763.6	44.4	459.3	19.7	304.3
1967.....	68.0	605.1	48.2	358.0	19.8	247.1
1963.....	59.4	468.6	42.3	283.5	17.1	185.1

(D) Withheld to avoid disclosing operations of individual companies.

¹Defined in appendix B. Data for these establishments are included at the total manufacturing level in each table in this report. Data for these establishments are shown separately in tables 5 and 9 and included in State, SMSA, county, or city totals in other tables.

Table 2a. Historical Statistics for the State and Selected Standard Metropolitan Statistical Areas: 1977 and Earlier Years

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Establishments ²		All employees ²		Production workers							Comparative indexes and U.S. employment			
	Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)	Value added by manu- facture (million dollars)	Cost of materials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)	Percent of U.S. manufac- turing employ- ment (per- cent)	Index of State employ- ment change (1977= 100)	United States	
														Index of manufac- turing employ- ment change (1977= 100)	U.S. manu- facturing employ- ment (1,000)
DELAWARE															
1977 CENSUS.	619	231	66.5	1 140.6	32.3	63.0	409.9	1 595.7	3 635.3	5 208.7	148.2	.34	100	100	19 596.9
1976 ASM....	(NA)	(NA)	66.0	1 063.6	32.2	62.1	383.3	1 580.7	3 491.5	5 042.7	159.7	.35	99	96	18 753.0
1975 ASM....	(NA)	(NA)	62.6	934.2	30.7	57.7	324.1	1 247.3	2 681.0	3 967.3	169.7	.34	94	94	18 302.2
1974 ASM....	(NA)	(NA)	66.7	909.2	35.0	68.8	341.2	1 362.3	2 855.4	4 128.9	146.9	.34	100	102	19 844.8
1973 ASM....	(NA)	(NA)	70.8	829.6	38.5	74.7	331.6	1 447.8	2 322.2	3 766.7	114.1	.36	107	102	19 897.9
1972 CENSUS.	567	243	69.1	754.5	37.7	73.9	304.4	1 291.9	2 108.8	3 387.9	91.5	.36	104	98	19 028.7
1971 ASM....	(NA)	(NA)	69.6	734.8	34.5	71.5	282.2	1 281.0	1 951.8	3 222.0	78.2	.38	105	94	18 363.1
1970 ASM....	(NA)	(NA)	70.8	702.1	35.6	69.5	244.9	1 071.3	1 564.0	2 631.2	67.5	.37	107	99	19 217.2
1969 ASM....	(NA)	(NA)	76.4	700.5	41.5	81.1	264.9	1 151.6	1 685.3	2 829.3	76.5	.38	115	103	20 035.5
1968 ASM....	(NA)	(NA)	74.5	676.1	39.9	79.3	253.6	1 202.9	1 600.6	2 794.1	94.7	.38	112	100	19 527.6
1967 CENSUS.	528	253	70.7	588.4	38.8	75.8	228.1	958.4	1 520.8	2 484.3	115.9	.37	106	99	19 323.2
1966 ASM....	(NA)	(NA)	68.4	574.4	35.6	72.3	212.2	955.5	1 529.2	2 467.0	90.8	.36	103	98	19 024.5
1965 ASM....	(NA)	(NA)	66.0	538.3	34.6	72.2	206.8	877.1	1 539.6	2 416.6	70.3	.37	99	92	18 010.2
1964 ASM....	(NA)	(NA)	62.5	484.2	32.6	65.7	177.8	772.1	1 176.1	1 933.7	72.7	.36	94	89	17 268.5
1963 CENSUS.	569	243	58.3	429.6	30.4	61.5	159.0	658.2	(NA)	(NA)	88.8	.34	88	87	16 958.4
PHILADELPHIA-WILMINGTON-TRENTON, PA.-DEL.-N.J.-MD., SCSA															
1977 CENSUS.	8 964	3 306	550.5	8 072.4	343.8	667.7	4 192.6	15 796.6	22 402.4	38 008.3	921.5	2.81	100	100	19 596.9
1972 CENSUS.	8 833	3 560	597.8	5 900.8	387.0	755.0	3 211.0	11 008.5	12 384.1	23 294.5	689.3	3.14	109	98	19 028.7
WILMINGTON, DEL.-N.J.-MD., SMSA															
1977 CENSUS.	530	212	62.8	1 169.3	29.7	57.5	419.3	1 481.6	3 435.7	4 874.6	158.4	.32	100	100	19 596.9
1976 ASM....	(NA)	(NA)	62.8	1 085.6	29.8	59.2	392.6	1 500.5	3 182.8	4 640.6	154.3	.33	100	96	18 753.0
1975 ASM....	(NA)	(NA)	59.1	949.3	28.2	54.5	331.6	1 086.0	2 458.0	3 596.5	143.5	.32	94	94	18 302.2
1974 ASM....	(NA)	(NA)	62.7	924.9	31.4	63.0	348.6	1 292.7	2 689.0	3 874.0	151.1	.32	100	102	19 844.8
1973 ASM....	(NA)	(NA)	66.6	844.6	34.2	67.5	339.1	1 271.9	2 184.6	3 465.9	119.1	.33	106	102	19 897.9
1972 CENSUS.	491	213	64.1	763.6	33.0	64.8	306.0	1 161.3	2 037.4	3 202.5	91.0	.34	102	98	19 028.7
1971 ASM....	(NA)	(NA)	66.8	751.7	33.3	71.3	287.9	1 214.9	1 854.3	3 052.6	91.8	.36	106	94	18 363.1
1970 ASM....	(NA)	(NA)	67.8	721.2	32.9	63.8	253.1	1 019.9	1 461.9	2 479.3	78.2	.35	108	99	19 217.2
1969 ASM....	(NA)	(NA)	71.7	717.0	36.5	72.4	267.0	1 073.9	1 592.2	2 661.8	76.7	.36	114	103	20 035.5
1968 ASM....	(NA)	(NA)	69.7	696.7	34.9	71.2	256.9	1 096.2	1 527.2	2 619.6	92.3	.36	111	100	19 527.6
1967 CENSUS.	455	229	68.0	605.1	36.0	70.3	233.4	846.0	1 445.2	2 290.6	127.1	.35	108	99	19 323.2
1966 ASM....	(NA)	(NA)	67.2	607.2	34.0	68.8	224.0	904.5	1 463.8	2 348.3	94.8	.35	107	98	19 024.5
1965 ASM....	(NA)	(NA)	64.8	568.8	32.5	67.7	215.6	833.2	1 481.7	2 315.5	68.7	.36	103	92	18 010.2
1964 ASM....	(NA)	(NA)	62.9	517.1	31.5	63.9	192.6	776.0	1 182.6	1 944.5	59.9	.36	100	89	17 268.5
1963 CENSUS.	480	206	59.4	468.6	30.4	61.1	178.2	702.6	(NA)	(NA)	60.8	.35	95	87	16 958.4

(NA) Not available.

¹In annual survey of manufactures (ASM) years, data are estimates based on a representative sample of establishments canvassed annually and may differ from results of a complete canvass of all establishments. ASM publication shows percentage standard errors. Unless otherwise noted, for data prior to 1963, see 1963 Census of Manufactures, vol. III, table 1 of State chapter.

²Including central administrative offices and auxiliaries (for definition, see appendix B).

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 2b. Selected Operating Ratios for the State and Selected Standard Metropolitan Statistical Areas: 1977 and Earlier Years

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials as percent of value of shipments (percent)	Cost of materials and payroll as percent of value of shipments (percent)	Value added per employee (dollars)	Payroll as percent of value added (percent)	Value added per production worker hour (dollars)
DELAWARE									
1977 CENSUS.....	17 163	49	1 946	6.51	70	92	24 010	71	25.35
1976 ASM.....	16 115	49	1 929	6.17	69	90	23 950	67	25.45
1975 ASM.....	14 923	49	1 879	5.62	68	91	19 925	75	21.62
1974 ASM.....	13 631	52	1 966	4.96	69	91	20 424	67	19.80
1973 ASM.....	11 718	54	1 940	4.44	62	84	20 449	57	19.38
1972 CENSUS.....	10 919	55	1 960	4.12	62	85	18 696	58	1.75
1971 ASM.....	10 557	50	2 072	3.95	61	83	18 405	57	17.92
1970 ASM.....	9 917	50	1 952	3.52	59	86	15 131	66	15.41
1969 ASM.....	9 169	54	1 954	3.27	60	84	15 073	61	14.20
1968 ASM.....	9 075	54	1 987	3.20	57	81	16 146	56	15.17
1967 CENSUS.....	8 322	55	1 954	3.01	61	85	13 556	61	12.64
1966 ASM.....	8 398	52	2 031	2.93	62	85	13 969	60	13.22
1965 ASM.....	8 156	52	2 087	2.86	64	86	13 289	61	12.15
1964 ASM.....	7 747	52	2 015	2.71	61	86	12 354	63	11.75
1963 CENSUS.....	7 369	52	2 023	2.59	(NA)	(NA)	11 290	65	10.70
PHILADELPHIA-WILMINGTON-TRENTON, PA.-DEL.-N.J.-MD., SCSA									
1977 CENSUS.....	14 664	62	1 942	6.28	59	80	28 695	51	23.66
1972 CENSUS.....	9 911	65	1 958	4.22	51	77	18 415	54	14.52
WILMINGTON, DEL.-N.J.-MD., SMSA									
1977 CENSUS.....	18 610	47	1 941	7.29	70	94	23 579	79	25.75
1976 ASM.....	17 287	47	1 987	6.63	69	92	23 893	72	25.35
1975 ASM.....	16 063	48	1 933	6.08	68	95	18 376	87	19.93
1974 ASM.....	14 751	50	2 006	5.53	69	93	20 617	72	20.52
1973 ASM.....	12 682	51	1 974	5.02	63	87	19 098	66	18.84
1972 CENSUS.....	11 913	51	1 964	4.72	64	87	18 117	66	17.92
1971 ASM.....	11 253	50	2 141	4.04	61	85	18 187	62	17.04
1970 ASM.....	10 637	49	1 939	3.97	59	88	15 043	71	15.99
1969 ASM.....	10 000	51	1 984	3.69	60	87	14 978	67	14.83
1968 ASM.....	9 996	50	2 040	3.61	58	85	15 727	64	15.40
1967 CENSUS.....	8 899	53	1 953	3.32	63	90	12 441	72	12.03
1966 ASM.....	9 036	51	2 024	3.26	62	88	13 460	67	13.15
1965 ASM.....	8 778	50	2 083	3.18	64	89	12 858	68	12.31
1964 ASM.....	8 221	50	2 029	3.01	61	87	12 337	67	12.14
1963 CENSUS.....	7 889	51	2 010	2.92	(NA)	(NA)	11 828	67	11.50

Note: For qualifications to data, see footnotes on table 2a.

NA Not available.

Table 3a. Summary Statistics for the State: 1977 and 1972

[For explanation of terms, see appendix B]

Item	Unit of measure	1977	1972
All establishments ¹ -----	number-----	619	567
With 1 to 19 employees-----	do-----	388	324
With 20 to 99 employees-----	do-----	146	147
With 100 employees or more-----	do-----	85	96
All employees, average for year ¹ -----	1,000-----	66.5	69.1
Payroll for year, all employees ¹ -----	mil. dollars--	1 140.6	754.5
Production workers:			
Average for year-----	1,000-----	32.3	37.7
March-----	do-----	30.5	36.9
May-----	do-----	31.7	38.4
August-----	do-----	33.8	36.3
November-----	do-----	33.3	39.1
Hours-----	millions-----	63.0	73.9
January to March-----	do-----	13.8	17.6
April to June-----	do-----	16.2	19.3
July to September-----	do-----	16.9	18.1
October to December-----	do-----	16.0	18.9
Wages-----	mil. dollars--	409.9	304.4
Cost of materials, etc. ² -----	do-----	3 635.3	2 108.8
Materials, parts, containers, etc., consumed-----	do-----	3 392.0	1 972.3
Resales-----	do-----	74.1	50.4
Fuels consumed-----	do-----	82.8	30.2
Purchased electric energy-----	do-----	72.5	31.6
Contract work-----	do-----	13.9	24.3
Value of shipments, including resales ² -----	do-----	5 208.7	3 387.9
Value of resales-----	do-----	89.6	68.3
Value added by manufacture-----	do-----	1 595.7	1 291.9
Manufacturers' inventories:			
Beginning of year-----	do-----	488.8	300.7
Finished products-----	do-----	194.6	122.0
Work in process-----	do-----	119.2	79.9
Materials, supplies, fuel, etc.-----	do-----	175.1	98.8
End of year-----	do-----	563.4	330.2
Finished products-----	do-----	178.5	126.9
Work in process-----	do-----	158.5	87.5
Materials, supplies, fuel, etc.-----	do-----	226.4	115.8
Capital expenditures for plant and equipment-----	do-----	154.6	93.6
New capital expenditures-----	do-----	148.2	91.5
New buildings and other structures-----	do-----	17.0	18.4
New machinery and equipment-----	do-----	131.3	73.1
Used capital expenditures-----	do-----	6.3	2.1

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies.

¹Including central administrative offices and auxiliaries (for definition, see appendix B).

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 3b. Supplemental State Statistics Based on Sample Estimates: 1977

(For explanation of terms, see appendix B. For description of annual survey of manufactures (ASM), see appendix F)

Item	Amount (million dollars)	Standard error of estimate (percent)	Item	Amount (million dollars)	Standard error of estimate (percent)
Gross value of depreciable assets:			Rental payments:		
Total:			Total.....	15.4	5
Beginning of year.....	1,855.4	1	Buildings and other structures.....	4.5	14
New capital expenditures.....	143.7	3	Machinery and equipment.....	10.9	3
Used capital expenditures.....	(10.4)	43			
Retirements.....	62.4	2	Depreciation charges during 1977:		
End of year.....	1,947.0	1	Total.....	127.2	2
Buildings and other structure:			Buildings and other structures.....	21.4	3
Beginning of year.....	383.7	2	Machinery and equipment.....	105.8	2
New capital expenditures.....	16.2	10			
Used capital expenditures.....	(7.4)	58	Supplemental labor costs:		
Retirements.....	13.0	2	Total.....	161.0	1
End of year.....	394.3	3	Legal costs.....	48.9	2
Machinery and equipment:			Voluntary costs.....	112.1	1
Beginning of year.....	1,471.7	1			
New capital expenditures.....	127.5	2	Purchased services:		
Automobiles, trucks, etc., for highway use...	2.5	(NA)	Cost of purchased services for the repair of--		
Computers and peripheral data processing equip.	.5	(NA)	Buildings and other structures.....	6.2	9
All other.....	100.5	(NA)	Response coverage ratio (percent).....	55	(X)
New machinery and equipment, n.s.k.....	24.0	(NA)	Machinery.....	30.4	9
Used capital expenditures.....	(3.0)	18	Response coverage ratio (percent).....	54	(X)
Retirements.....	49.5	2	Cost of purchased communication services.....	(6.2)	19
End of year.....	1,552.7	1	Response coverage ratio (percent).....	61	(X)

Note: Expenditures data, shown in tables 2a, 3a, and 4-8, are census universe figures and may differ from ASM sample estimates shown in this table. Table 3b figures represent best estimate of year-to-year change as measured by continuing ASM sample, but are subject to sampling errors. Hence, as estimates of level, they are not as reliable as universe figures.

Figures in parentheses have standard errors of 15 percent or more. (NA) Not available. n.s.k. Not specified by kind. (X) Not applicable.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area	E ¹	1977										1972		
		All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)						
Delaware -----	-	519	231	66.5	1 140.6	32.3	63.0	409.9	1 595.7	3 635.3	5 208.7	148.2	69.1	1 291.9
STANDARD CONSOLIDATED STATISTICAL AREAS														
Philadelphia-Wilmington-Trenton, Pa.-Del.-N.J.-Md. -----	-	8 964	3 306	550.5	8 072.4	343.8	667.7	4 192.6	15 796.6	22 402.4	38 008.3	921.5	597.8	11 008.5
Portion in New Jersey -----	-	2 103	730	112.7	1 619.3	73.8	142.9	903.0	3 159.9	4 732.5	7 864.4	222.0	115.7	2 167.2
Portion in Pennsylvania -----	-	6 390	2 391	384.5	5 457.7	247.5	480.5	2 977.7	11 537.3	14 774.4	26 189.7	587.8	428.8	7 985.9
Portion in Delaware -----	-	419	160	50.7	966.4	20.7	40.6	294.8	1 035.3	2 798.4	3 792.3	107.4	49.6	803.1
Portion in Maryland -----	-	52	25	2.6	29.0	1.9	3.7	17.0	64.0	97.1	161.8	4.2	3.7	52.3
STANDARD METROPOLITAN STATISTICAL AREAS														
Wilmington, Del.-N.J.-Md. -----	-	530	212	62.8	1 169.3	29.7	57.5	419.3	1 481.6	3 435.7	4 874.6	158.4	64.1	1 161.3
Portion in New Jersey -----	-	59	27	9.6	174.0	7.1	13.3	107.5	382.2	540.2	920.4	(D)	10.8	306.6
Portion in Delaware -----	-	419	160	50.7	966.4	20.7	40.6	294.8	1 035.3	2 798.4	3 792.3	107.4	49.6	803.1
Portion in Maryland -----	-	52	25	2.6	29.0	1.9	3.7	17.0	64.0	97.1	161.8	(D)	3.7	51.6
COUNTIES														
Kent -----	-	73	27	7.3	74.1	5.5	10.6	53.6	304.2	375.4	681.7	18.8	8.5	249.9
New Castle -----	-	419	160	50.7	966.4	20.7	40.6	294.8	1 035.3	2 798.4	3 792.3	107.4	49.6	803.1
Sussex -----	-	127	44	8.5	100.1	6.2	11.8	61.6	256.2	461.4	734.7	22.0	11.1	238.9
CITIES														
Dover -----	-	28	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Middletown -----	-	8	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Milford -----	-	23	13	1.6	13.3	1.2	2.3	8.1	32.1	51.2	81.6	1.3	1.8	22.0
Newark -----	-	42	16	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
New Castle -----	-	23	15	1.3	17.9	0.9	1.7	10.4	48.1	72.3	118.8	8.5	(D)	(D)
Wilmington -----	-	153	53	17.0	338.5	3.9	7.5	43.8	145.9	155.5	304.1	5.9	18.4	172.7

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Including central administrative offices and auxiliaries (for definition, see appendix B).
³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	All industries -----	-	619	231	66.5	1 140.6	32.3	63.0	409.9	1 595.7	3 635.3	5 208.7	148.2	69.1	1 291.9
20	Food and kindred products -----	-	69	36	6.3	54.7	4.7	9.5	40.3	282.2	540.6	842.6	7.7	8.2	209.9
201	Meat products -----	-	13	6	1.6	12.7	1.4	2.8	9.8	23.1	100.3	123.1	2.2	1.9	21.7
2016	Poultry dressing plants -----	-	6	4	1.5	11.7	1.3	2.5	9.2	20.8	94.3	114.9	2.1	1.7	14.1
203	Preserved fruits and vegetables -----	-	15	11	1.6	12.0	1.4	2.6	9.8	40.5	55.5	96.0	1.2	2.1	23.3
2032	Canned specialties -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2033	Canned fruits and vegetables -----	-	9	6	0.9	6.6	0.8	1.4	5.5	20.7	28.1	48.8	0.4	1.6	17.7
2035	Pickles, sauces, and salad dressings -----	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
204	Grain mill products -----	-	10	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	7.3
205	Bakery products -----	-	7	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2051	Bread, cake, and related products -----	-	7	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)

See footnotes at end of table.

**Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.**

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
20	Food and kindred products—Con.														
208	Beverages -----	-	3	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2086	Bottled and canned soft drinks -----	-	3	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
209	Miscellaneous foods and kindred products -----	-	10	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2091	Canned and cured seafoods -----	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2099	Food preparations, n.e.c. -----	-	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
22	Textile mill products --	-	13	8	1.0	10.2	0.8	1.7	7.5	17.5	21.0	39.4	3.2	1.2	13.7
226	Textile finishing, except wool -----	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2262	Finishing plants, synthetics -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
229	Miscellaneous textile goods -----	-	5	4	0.4	5.0	0.3	0.8	3.6	10.1	13.8	25.1	(D)	0.3	5.7
23	Apparel and other textile products -----	E2	27	14	1.0	5.8	0.9	1.6	4.8	8.4	4.4	12.9	(D)	1.7	15.2
232	Men's and boys' furnishings -----	E0	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2329	Men's and boys' clothing, n.e.c. -----	E0	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
233	Women's and misses' outerwear -----	E2	9	6	0.3	1.6	0.3	0.4	1.4	2.4	0.3	2.7	(D)	0.5	4.5
2335	Women's and misses' dresses -----	E2	7	5	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
236	Children's outerwear -----	E5	5	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	1.2
239	Miscellaneous fabricated textile products -----	-	9	2	0.2	1.3	0.1	0.3	0.9	1.8	2.0	3.7	(D)	AA	(D)
24	Lumber and wood products -----	E1	36	6	0.5	4.6	0.4	0.8	3.3	11.9	14.2	26.1	0.6	0.4	4.7
245	Wood buildings and mobile homes -----	-	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2452	Prefabricated wood buildings -----	-	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
25	Furniture and fixtures --	-	9	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.3	3.3
252	Office furniture -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2522	Metal office furniture -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
26	Paper and allied products -----	-	17	13	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2621	Paper mills, except building paper -----	-	6	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
264	Miscellaneous converted paper products -----	-	3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2647	Sanitary paper products -----	-	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
265	Paperboard containers and boxes -----	-	7	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2651	Folding paperboard boxes -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2653	Corrugated and solid fiber boxes -----	-	4	4	0.3	4.3	0.2	0.5	2.8	7.9	18.5	26.1	0.6	BB	(D)
27	Printing and publishing -----	E1	97	14	1.7	23.3	1.1	1.7	13.0	43.7	18.6	62.2	2.1	1.6	26.0
2711	Newspapers -----	-	17	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
275	Commercial printing -----	E2	53	7	0.7	8.7	0.5	0.9	5.8	13.5	8.4	21.9	1.5	0.5	6.8
2752	Commercial printing, lithographic -----	E1	25	7	0.6	7.2	0.4	0.7	4.7	11.0	6.7	17.7	1.4	BB	(D)
28	Chemicals and allied products -----	-	46	28	8.4	144.6	5.5	11.0	85.7	461.3	584.6	1 048.8	70.6	FF	(D)
281	Industrial inorganic chemicals -----	-	7	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2816	Inorganic pigments -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2819	Industrial inorganic chemicals, n.e.c. -----	-	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
282	Plastics materials and synthetics -----	-	9	9	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	4.4	179.4
2821	Plastics materials and resins -----	-	7	7	1.4	22.5	0.9	2.0	14.1	59.3	141.7	199.5	21.1	CC	(D)
2824	Organic fibers, noncellulosic -----	-	1	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
283	Drugs -----	-	4	3	0.4	4.4	0.3	0.6	3.2	47.5	14.3	59.2	1.4	(NA)	(NA)
2834	Pharmaceutical preparations -----	-	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
284	Soaps, cleaners, and toilet goods -----	-	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2843	Surface active agents -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2851	Paints and allied products -----	E2	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
286	Industrial organic chemicals -----	-	7	6	1.1	21.4	0.7	1.3	11.2	67.4	79.7	151.6	9.0	CC	(D)
2865	Cyclic crudes and intermediates -----	-	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2869	Industrial organic chemicals, n.e.c. -----	-	4	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)

See footnotes at end of table.

Table 5. **Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—**
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977												1972	
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
29	Petroleum and coal products -----	-	13	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2911	Petroleum refining -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
295	Paving and roofing materials---	-	10	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
30	Rubber and miscellaneous plastics products ----	-	35	26	2.5	34.2	1.8	3.5	20.3	90.0	93.3	185.3	10.5	5.1	118.4
3041	Rubber and plastics hose and belting -----	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3079	Miscellaneous plastics products -----	-	31	23	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
31	Leather and leather products -----	-	5	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3161	Luggage -----	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
32	Stone, clay, and glass products -----	E1	39	11	0.6	8.2	0.5	1.0	5.8	20.1	25.6	45.5	1.4	CC	(D)
327	Concrete, gypsum, and plaster products -----	E1	27	10	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3273	Ready-mixed concrete -----	E2	10	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
33	Primary metal industries -----	-	9	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.4	36.1
331	Blast furnace and basic steel products -----	-	3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3312	Blast furnaces and steel mills -----	-	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3315	Steel wire and related products -----	-	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
332	Iron and steel foundries -----	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3325	Steel foundries, n.e.c. -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3341	Secondary nonferrous metals --	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
335	Nonferrous rolling and drawing -	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3357	Nonferrous wire drawing and insulating -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
34	Fabricated metal products -----	-	47	15	1.6	20.1	1.2	2.3	13.2	39.3	33.1	71.6	1.6	1.2	23.0
343	Plumbing and heating, except electric -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3432	Plumbing fittings and brass goods -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
344	Fabricated structural metal products -----	-	24	11	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	10.6
3441	Fabricated structural metal --	-	7	4	0.3	3.5	0.2	0.4	2.6	5.8	6.4	12.1	0.4	(NA)	(NA)
3443	Fabricated plate work (boiler shops) -----	-	5	3	0.2	3.3	0.1	0.2	1.4	9.7	7.8	17.0	0.3	0.2	5.6
3444	Sheet metal work -----	-	6	2	0.2	2.9	0.2	0.3	2.0	2.7	3.5	6.5	0.1	AA	(D)
349	Miscellaneous fabricated metal products -----	-	10	2	0.3	3.8	0.2	0.4	2.7	8.9	4.8	13.3	0.5	AA	(D)
3498	Fabricated pipe and fittings --	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
35	Machinery, except electrical -----	-	58	12	1.7	25.5	1.0	2.0	11.6	33.3	24.4	56.2	3.9	3.0	42.2
355	Special industry machinery ----	-	9	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.6	7.2
3559	Special industry machinery, n.e.c. -----	-	6	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
356	General industrial machinery ---	E1	7	2	0.2	2.6	0.1	0.3	1.4	6.4	3.3	9.7	0.3	(NA)	(NA)
357	Office and computing machines -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3573	Electronic computing equipment -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
359	Miscellaneous machinery, except electrical -----	E3	30	4	0.2	2.7	0.2	0.3	1.9	4.6	1.7	6.2	0.3	AA	(D)
3599	Machinery, except electrical, n.e.c. -----	E3	30	4	0.2	2.7	0.2	0.3	1.9	4.6	1.7	6.2	0.3	AA	(D)
36	Electric and electronic equipment -	E1	12	5	0.5	7.0	0.4	0.7	4.4	15.5	21.4	36.9	(D)	0.9	11.2
369	Miscellaneous electrical equipment and supplies -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3691	Storage batteries -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)

See footnotes at end of table.

**Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.**

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix D.

SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
37	Transportation equipment - - - - -	-	12	6	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)	
371	Motor vehicles and equipment -	-	4	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)	
3711	Motor vehicles and car bodies - - - - -	-	2	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)	
3714	Motor vehicle parts and accessories - - - - -	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)	
3743	Railroad equipment - - - - -	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)	
38	Instruments and related products - - - - -	-	13	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)	
3811	Engineering and scientific instruments - - - - -	-	3	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)	
384	Medical instruments and supplies - - - - -	-	5	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)	
3842	Surgical appliances and supplies - - - - -	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)	
3843	Dental equipment and supplies - - - - -	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)	
39	Miscellaneous manufacturing industries - - - - -	-	31	1	0.5	4.9	0.4	0.7	2.6	7.2	8.0	15.3	(D)	(NA)	(NA)
399	Miscellaneous manufactures - -	-	19	1	0.5	4.7	0.3	0.7	2.5	6.7	7.5	14.4	(D)	(NA)	(NA)
3999	Manufacturing industries, n.e.c. - - - - -	-	8	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)	(NA)
-	Administrative and auxiliary - - - - -	-	31	19	24.3	550.7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Statistics for some industry groups and industries are withheld to avoid disclosing figures for individual companies. However, for such industry groups and industries with 150 employees or more, number of establishments is shown and employment size range is indicated by one of the following symbols: AA—150 to 249 employees; BB—250 to 499 employees; CC—500 to 999 employees; EE—1,000 to 2,499 employees; FF—2,500 employees or more. Statistics for industry groups shown include data for all component industries, regardless of whether data are shown for individual industries in the group.
³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SMSA's, see appendix A. For explanation of terms, see appendix B.															
SIC code	SMSA and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Philadelphia-Wilmington- Trenton, Pa.-Del.-N.J.-Md., SCSA	-	8 964	3 306	550.5	8 072.4	343.8	667.7	4 192.6	15 796.6	22 402.4	38 008.3	921.5	597.8	11 008.5
20	Food and kindred products --	-	567	256	41.5	554.3	29.1	57.4	346.8	1 542.4	2 995.6	4 528.2	(D)	43.9	997.5
201	Meat products	E1	113	52	7.9	109.0	6.1	12.2	76.1	254.6	1 049.7	1 299.4	24.9	(NA)	(NA)
2017	Poultry and egg processing	-	5	5	0.9	9.4	0.7	1.5	6.5	23.6	89.4	113.0	2.3	(NA)	(NA)
203	Preserved fruits and vegetables	-	59	29	6.3	74.8	4.9	9.2	50.9	227.1	334.2	561.6	11.7	(NA)	(NA)
204	Grain mill products	-	24	7	0.9	12.3	0.7	1.3	8.3	58.8	105.1	164.9	(D)	(NA)	(NA)
2052	Cookies and crackers	-	17	5	2.9	41.8	2.5	5.3	35.2	136.2	88.2	224.6	(D)	(NA)	(NA)
2087	Flavoring extracts and sirups, n.e.c.	E2	13	6	0.5	7.0	0.3	0.7	4.0	24.8	27.1	51.1	(D)	(NA)	(NA)
2231	Weaving and finishing mills, wool	E4	9	4	0.3	2.1	0.2	0.3	1.5	3.1	1.4	4.5	0.1	(NA)	(NA)
2241	Narrow fabric mills	E1	10	5	0.3	2.7	0.3	0.6	2.1	5.7	5.2	10.8	0.2	(NA)	(NA)
2258	Warp knit fabric mills	-	12	6	0.5	6.1	0.5	0.9	4.5	13.2	16.4	29.5	0.5	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Philadelphia-Wilmington- Trenton, Pa.-Del.-N.J.-Md., SCSA—Con.														
228	Yarn and thread mills-----	E1	28	23	1.9	15.3	1.7	3.3	12.3	26.9	38.0	64.8	1.5	(NA)	(NA)
2281	Yarn mills, except wool-----	E4	8	5	0.6	5.3	0.6	1.1	4.4	11.3	15.4	26.3	(D)	(NA)	(NA)
2282	Throwing and winding mills-----	-	8	8	0.6	4.5	0.5	1.1	3.8	5.8	7.7	13.7	0.1	(NA)	(NA)
2283	Wool yarn mills-----	-	8	7	0.3	3.1	0.3	0.6	2.4	4.8	6.7	11.4	(D)	(NA)	(NA)
2284	Thread mills-----	-	4	3	0.3	2.4	0.3	0.5	1.8	5.0	8.2	13.4	(D)	(NA)	(NA)
23	Apparel and other textile products-----	-	663	348	35.5	288.1	30.4	52.8	211.9	578.2	571.3	1 127.6	(D)	48.6	490.2
234	Women's and children's undergarments-----	-	11	8	0.8	5.4	0.7	1.3	3.8	11.9	11.1	23.4	0.1	(NA)	(NA)
2363	Children's coats and suits-----	-	5	4	0.4	3.3	0.4	0.7	2.8	6.7	2.0	8.7	(D)	(NA)	(NA)
2369	Children's outerwear, n.e.c.-----	-	7	7	0.7	5.2	0.5	0.8	4.0	4.2	5.5	12.3	(D)	(NA)	(NA)
2395	Pleating and stitching---	E1	17	3	0.3	2.6	0.3	0.3	1.7	4.8	2.2	7.0	(D)	(NA)	(NA)
2514	Metal household furniture-----	E1	19	12	1.6	14.5	1.3	2.6	10.4	21.5	33.7	58.5	0.2	(NA)	(NA)
252	Office furniture-----	-	17	7	1.6	20.9	1.3	2.4	14.1	42.8	32.7	74.6	1.2	(NA)	(NA)
26	Paper and allied products---	-	266	150	18.9	263.9	14.6	28.2	181.9	660.6	849.8	1 504.6	38.7	21.2	419.1
2643	Bags, except textile bags-----	E3	15	6	1.3	16.9	0.9	1.9	10.7	36.8	52.6	88.9	1.8	(NA)	(NA)
2648	Stationery products-----	-	11	2	0.3	3.3	0.3	0.5	2.6	6.3	7.2	13.5	(D)	(NA)	(NA)
2649	Converted paper products, n.e.c.-----	-	30	13	0.9	10.2	0.6	1.2	6.0	25.5	30.3	55.5	1.9	(NA)	(NA)
2652	Setup paperboard boxes-----	-	11	10	0.6	6.2	0.6	1.0	4.7	9.2	8.7	17.7	0.7	(NA)	(NA)
2654	Sanitary food containers-----	-	8	5	0.5	5.7	0.4	0.7	4.1	9.5	40.3	49.8	0.8	(NA)	(NA)
27	Printing and publishing-----	-	1 324	289	41.4	537.8	24.1	43.3	291.8	1 186.5	685.0	1 872.9	57.4	41.0	743.0
2721	Periodicals-----	-	62	15	3.5	41.9	0.7	1.2	6.2	251.4	153.8	405.0	1.1	(NA)	(NA)
2752	Commercial printing, lithographic-----	E1	322	78	6.6	97.1	4.9	9.1	66.1	156.9	116.0	277.8	7.1	(NA)	(NA)
279	Printing trade services---	-	115	29	3.2	45.1	2.5	4.6	33.2	73.7	17.1	90.4	3.8	(NA)	(NA)
28	Chemicals and allied products-----	-	421	197	42.5	747.6	26.1	51.6	397.4	2 684.0	2 619.3	5 288.0	(D)	44.8	1 728.3
289	Miscellaneous chemical products-----	-	110	42	3.5	43.8	2.1	4.1	22.5	114.7	129.6	239.8	(D)	(NA)	(NA)
30	Rubber and miscellaneous plastics products-----	-	343	163	21.9	291.2	16.8	33.0	200.1	630.3	722.9	1 337.5	39.0	23.6	472.2
3011	Tires and inner tubes---	-	5	3	5.2	83.3	4.2	8.2	65.6	208.5	280.7	470.5	7.7	(NA)	(NA)
3079	Miscellaneous plastics products-----	-	287	129	12.4	152.3	9.4	18.5	98.1	333.2	348.5	682.3	(D)	(NA)	(NA)
32	Stone, clay, and glass products-----	-	381	145	16.8	220.2	13.1	25.9	157.3	488.4	436.9	928.5	30.7	19.6	376.2
3272	Concrete products, n.e.c.-----	E2	61	22	1.1	13.7	0.9	1.7	9.2	27.7	18.0	46.1	1.3	(NA)	(NA)
3317	Steel pipe and tubes---	-	10	8	1.5	20.9	1.1	2.2	15.1	26.4	28.3	56.0	1.2	(NA)	(NA)
339	Miscellaneous primary metal products-----	-	35	15	1.1	17.4	0.8	1.6	11.1	50.5	40.7	90.0	2.9	(NA)	(NA)
3398	Metal heat treating-----	-	19	9	0.5	6.0	0.4	0.7	4.0	11.3	3.8	15.1	(D)	(NA)	(NA)
3399	Primary metal products, n.e.c.-----	-	16	6	0.7	11.3	0.5	0.9	7.1	39.2	36.9	74.9	(D)	(NA)	(NA)
341	Metal cans and shipping containers-----	-	18	16	3.1	49.0	2.7	5.3	41.0	134.9	205.6	335.6	3.7	(NA)	(NA)
3411	Metal cans-----	-	13	12	2.6	42.7	2.3	4.6	36.6	119.8	180.7	296.1	(D)	(NA)	(NA)
3412	Metal barrels, drums, and pails-----	-	5	4	0.5	6.3	0.4	0.7	4.4	15.1	24.9	39.5	(D)	(NA)	(NA)
3433	Heating equipment, except electric-----	-	17	7	0.9	11.1	0.5	1.0	5.6	21.6	24.9	46.6	1.0	(NA)	(NA)
3444	Sheet metal work-----	-	122	35	3.3	38.4	2.4	4.5	25.1	68.8	80.8	148.7	3.7	(NA)	(NA)
3452	Bolts, nuts, rivets, and washers-----	-	26	17	3.0	40.4	2.4	4.9	31.2	90.3	59.0	147.9	(D)	(NA)	(NA)
3495	Wire springs-----	-	9	6	0.5	5.2	0.4	0.8	3.8	8.5	9.9	18.3	0.7	(NA)	(NA)
35	Machinery, except electrical---	-	1 294	333	51.4	751.3	32.3	68.7	419.1	1 355.6	1 127.3	2 463.7	(D)	51.7	1 015.9
3535	Conveyors and conveying equipment---	-	19	10	1.5	22.2	0.9	1.6	10.6	48.3	35.3	81.5	0.7	(NA)	(NA)
354	Metalworking machinery---	E1	279	49	4.7	75.4	3.6	7.7	54.3	130.5	59.2	187.2	(D)	(NA)	(NA)
3542	Machine tools, metal forming types-----	-	12	4	0.6	10.5	0.4	0.9	6.4	22.1	15.0	36.4	1.2	(NA)	(NA)
3551	Food products machinery-----	-	16	7	0.5	7.3	0.3	0.6	3.5	13.9	9.8	24.0	0.3	(NA)	(NA)
3554	Paper industries machinery-----	-	15	7	1.3	20.5	0.7	1.5	10.7	35.2	24.1	58.7	1.4	(NA)	(NA)
3585	Refrigeration and heating equipment---	-	33	18	4.1	45.4	2.9	9.5	29.0	91.6	99.0	188.0	(D)	(NA)	(NA)
359	Miscellaneous machinery, except electrical-----	E1	494	68	5.5	72.1	4.4	8.6	50.2	129.5	71.5	199.2	(D)	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
36	Philadelphia-Wilmington-Trenton, Pa.-Del.-N.J.-Md., SCSA—Con.														
	Electric and electronic equipment -----	-	475	199	41.2	557.8	29.2	55.2	340.5	1 076.6	978.7	2 029.3	46.1	55.9	978.4
3612	Transformers -----	-	9	3	0.4	3.9	0.3	0.6	2.8	7.9	7.0	14.9	0.1	(NA)	(NA)
364	Electric lighting and wiring equipment -----	-	97	45	7.6	80.8	5.6	10.3	47.7	184.5	207.3	383.5	(D)	(NA)	(NA)
3644	Noncurrent-carrying wiring devices -----	E1	10	7	0.8	10.7	0.7	1.2	6.9	24.0	30.8	53.7	0.6	(NA)	(NA)
3646	Commercial lighting fixtures -----	-	11	5	1.3	13.1	1.0	1.7	8.4	32.9	69.5	101.2	1.5	(NA)	(NA)
3676	Electronic resistors -----	-	7	4	0.8	7.7	0.7	1.3	5.7	15.3	5.3	21.3	0.7	(NA)	(NA)
3678	Electronic connectors ---	-	5	3	0.3	2.7	0.2	0.4	1.8	5.9	4.2	10.3	(D)	(NA)	(NA)
3724	Aircraft engines and engine parts -----	-	8	4	0.4	6.3	0.3	0.6	3.8	11.6	6.8	18.1	0.6	(NA)	(NA)
3991	Brooms and brushes ---	-	11	5	0.4	4.3	0.2	0.4	1.7	5.3	5.8	10.5	0.1	(NA)	(NA)
	Wilmington, Del.-N.J.-Md., SMSA -----	-	530	212	62.8	1 169.3	29.7	57.5	419.3	1 481.6	3 435.7	4 874.6	158.4	64.1	1 161.3
20	Food and kindred products --	E1	43	17	1.4	15.6	0.9	1.8	7.7	34.7	70.1	105.1	(D)	2.3	46.0
201	Meat products -----	E1	11	3	0.3	2.2	0.3	0.7	2.0	3.3	10.5	13.8	0.3	0.3	2.4
22	Textile mill products-----	-	8	4	0.6	6.1	0.5	1.0	4.4	10.9	11.3	22.9	0.9	0.8	8.0
23	Apparel and other textile products -----	-	25	15	1.2	7.0	1.2	2.0	6.3	17.2	5.9	23.7	0.2	1.5	12.5
233	Women's and misses' outerwear -----	-	13	10	0.8	4.4	0.8	1.3	4.1	12.6	2.2	15.0	0.1	0.7	4.6
24	Lumber and wood products--	-	24	6	0.3	4.0	0.3	0.6	3.2	8.7	16.8	25.9	0.3	0.3	5.3
26	Paper and allied products ---	-	14	11	0.9	11.9	0.7	1.4	8.0	24.7	40.8	65.3	2.8	1.1	15.7
27	Printing and publishing -----	E1	87	12	1.6	21.4	0.9	1.5	11.4	41.3	15.8	57.0	1.0	1.6	24.8
2752	Commercial printing, lithographic -----	E1	20	5	0.4	4.8	0.3	0.5	3.1	8.4	4.3	12.7	0.3	0.4	6.1
28	Chemicals and allied products -----	-	52	35	11.5	227.4	7.8	15.3	133.4	610.3	865.0	1 475.1	99.7	10.8	381.7
281	Industrial inorganic chemicals -----	-	9	5	1.5	29.4	0.9	1.8	16.2	92.0	81.8	174.8	(D)	1.7	65.6
30	Rubber and miscellaneous plastics products -----	-	34	26	2.7	35.8	1.9	3.8	21.2	91.9	90.0	183.3	8.8	3.3	64.9
3079	Miscellaneous plastics products -----	-	29	22	2.3	30.2	1.6	3.2	18.4	82.3	82.1	163.0	(D)	2.1	43.7
32	Stone, clay, and glass products-----	-	32	12	1.7	22.2	1.4	2.5	17.3	48.5	50.1	98.7	2.6	2.3	40.8
33	Primary metal industries ----	-	10	7	2.4	34.8	1.7	3.0	22.9	45.5	78.5	123.9	(D)	2.6	38.5
34	Fabricated metal products ---	-	47	17	1.9	23.5	1.4	2.7	15.4	45.3	34.8	78.5	1.7	2.0	30.3
344	Fabricated structural metal products -----	-	26	12	1.1	15.0	0.8	1.6	9.4	28.3	25.1	52.4	1.0	0.9	15.6
349	Miscellaneous fabricated metal products -----	E1	11	3	0.3	4.2	0.2	0.5	2.9	9.8	5.4	14.8	0.5	0.3	6.3
35	Machinery, except electrical -	E1	47	9	1.1	18.3	0.7	1.3	9.0	24.1	13.0	37.3	(D)	1.0	15.1
36	Electric and electronic equipment -----	-	11	5	0.8	8.9	0.6	1.2	5.8	18.3	25.8	44.6	1.3	1.4	14.6

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (S) Withheld because estimate did not meet publication standards.

(Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977												1972	
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
20	Kent County	-	73	27	7.3	74.1	5.5	10.6	53.6	304.2	375.4	681.7	18.8	8.5	249.9
	New Castle County	-	419	160	50.7	966.4	20.7	40.6	294.8	1 035.3	2 798.4	3 792.3	107.4	49.6	803.1
20	Food and kindred products --	E2	27	12	0.9	10.3	0.5	1.1	4.6	29.4	44.5	73.9	0.8	1.2	24.5
22 282	Textile mill products	-	8	4	0.6	6.1	0.5	1.0	4.4	10.9	11.3	22.9	(D)	(NA)	(NA)
	Plastics materials and synthetics	-	7	7	1.2	19.9	0.8	1.7	12.4	55.9	137.1	190.3	(D)	0.9	26.3
30	Rubber and miscellaneous plastics products	-	30	23	2.3	32.1	1.6	3.2	18.9	85.4	85.2	172.6	(D)	(NA)	(NA)
34	Fabricated metal products ---	-	41	15	1.6	19.6	1.2	2.2	12.9	37.6	31.7	68.6	(D)	1.2	22.4
39	Miscellaneous manufacturing industries	-	21	1	0.5	4.6	0.3	0.7	2.4	6.6	7.3	14.1	(D)	(NA)	(NA)
203	Sussex County	-	127	44	8.5	100.1	6.2	11.8	61.6	256.2	461.4	734.7	22.0	11.1	238.9
	Preserved fruits and vegetables	-	7	5	1.1	8.3	1.0	1.9	7.0	30.9	33.0	63.9	0.8	1.3	13.2
209	Miscellaneous foods and kindred products	-	6	3	0.5	3.2	0.4	0.7	2.2	12.4	25.8	38.1	(D)	(NA)	(NA)

Note: "County" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Milford -----	-	23	13	1.6	13.3	1.2	2.3	8.1	32.1	51.2	81.6	1.3	1.8	22.0
	New Castle -----	-	23	15	1.3	17.9	0.9	1.7	10.4	48.1	72.3	118.8	8.5	(D)	(D)
	Wilmington -----	-	153	53	17.0	338.5	3.9	7.5	43.8	145.9	155.5	304.1	5.9	18.4	172.7
20	Food and kindred products --	E1	16	9	0.7	7.8	0.3	0.8	3.0	21.9	32.6	54.5	(D)	0.8	16.2
27	Printing and publishing -----	-	43	6	1.1	16.1	0.6	1.0	8.5	31.9	11.1	43.0	(D)	1.2	19.9
30	Rubber and miscellaneous plastics products -----	-	9	6	0.6	8.7	0.4	0.8	4.2	17.3	20.6	40.7	(D)	1.5	25.9
34	Fabricated metal products ---	-	19	8	1.0	11.4	0.7	1.4	7.6	19.3	15.9	34.9	(D)	0.9	15.7
35	Machinery, except electrical --	-	13	3	0.7	12.9	0.4	0.7	5.6	13.6	8.0	21.5	(D)	(NA)	(NA)

Note: "City" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
DELAWARE	619	-	-	13	27	36	9	17	97	46	13	35	5	39	9	47	58	12	12	13	31	31
1 TO 4 EMPLOYEES	229	16	-	2	3	18	8	1	43	13	6	4	3	17	2	13	31	5	5	6	20	20
5 TO 9 EMPLOYEES	72	7	-	2	3	18	1	1	21	3	6	1	-	4	1	7	5	2	1	1	3	3
10 TO 19 EMPLOYEES	87	10	-	-	2	4	-	5	19	3	3	4	-	7	1	12	10	2	1	1	7	7
20 TO 49 EMPLOYEES	87	15	-	-	6	4	-	5	10	6	1	10	1	9	1	5	7	2	2	2	-	-
50 TO 99 EMPLOYEES	59	8	-	1	5	4	-	5	10	1	1	7	1	1	1	6	2	2	2	2	-	-
100 TO 249 EMPLOYEES	43	6	-	4	3	1	1	2	2	3	-	7	1	1	4	3	1	1	1	1	1	1
250 TO 499 EMPLOYEES	19	4	-	1	-	-	-	-	1	4	1	-	1	-	-	1	1	1	1	1	-	-
500 TO 999 EMPLOYEES	11	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
1000 TO 2499 EMPLOYEES	6	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
2500 EMPLOYEES AND OVER	6	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
KENT COUNTY	73	11	-	2	8	6	5	3	12	4	1	1	1	4	-	4	3	1	1	2	4	4
1 TO 19 EMPLOYEES	46	4	-	1	2	6	4	1	10	1	1	1	-	3	-	4	3	1	1	-	4	4
20 TO 99 EMPLOYEES	13	3	-	3	-	-	1	1	1	2	-	-	-	1	-	-	3	-	-	-	-	-
100 TO 249 EMPLOYEES	10	2	-	3	-	-	1	1	1	1	-	-	-	-	-	-	-	-	-	1	-	-
250 EMPLOYEES AND OVER	4	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
NEW CASTLE COUNTY	419	27	-	8	13	12	3	13	76	32	10	30	4	23	9	41	43	10	9	10	21	21
1 TO 19 EMPLOYEES	259	15	-	4	9	19	3	2	66	11	7	7	3	15	3	26	34	6	3	8	20	20
20 TO 99 EMPLOYEES	102	10	-	2	4	3	3	9	8	11	2	15	1	7	1	11	7	3	1	1	1	1
100 TO 249 EMPLOYEES	28	2	-	1	-	-	-	2	1	2	1	1	-	1	4	3	1	1	2	1	-	-
250 EMPLOYEES AND OVER	30	-	-	1	-	-	-	-	1	8	1	1	-	-	1	1	1	1	3	1	1	1
SUSSEX COUNTY	127	31	-	3	6	18	1	1	9	10	2	4	-	12	-	2	12	1	3	1	6	6
1 TO 19 EMPLOYEES	83	14	-	-	2	15	1	1	7	6	2	2	-	10	-	2	9	1	3	1	6	6
20 TO 99 EMPLOYEES	31	10	-	1	4	2	-	-	2	3	-	2	-	2	-	-	2	1	-	-	-	-
100 TO 249 EMPLOYEES	5	2	-	2	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	8	5	-	-	-	1	-	-	-	1	-	-	-	-	-	-	1	-	-	1	-	-

Note: Data on number of establishments by employment size class by 4-digit SIC industry for States, counties, and selected cities are presented in Location of Manufacturing Plants data series. This series is available only on computer tape (see Introduction).

- Represents zero.

- Represents zero.
! Only those counties and size classes that include data for manufacturing establishments are shown.

District of Columbia

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DIST. OF COLUMBIA



SUMMARY OF FINDINGS

In 1977, 18.6 thousand persons were employed in the District of Columbia's manufacturing establishments. This figure represented a decrease of 4 percent from the 1972 figure of 19.4 thousand workers.

The total value added by manufacture for the District amounted to \$610 million in 1977, an increase of approximately 57 percent from the 1972 figure of \$389 million. All dollar figures in this report are in current dollars and are, therefore, not adjusted for changes in price levels.

In the District, the most important industry groups ranked by employment were printing and publishing, food and kindred products, and fabricated metal products. They accounted for approximately 86 percent of the District's 1977 employment. The order has shifted from 1972 when industry groups printing

and publishing, food and kindred products, and electric and electronic equipment accounted for approximately 81 percent of the District's employment.

The methods of data collection and use of administrative records data are discussed in detail in the Introduction. Small single-unit companies with up to 20 employees (the cutoff varied by industry) were excluded from the mail portion of the census. For these establishments (and a small number of larger establishments whose reports were not received in time to be tabulated), statistics on payrolls and receipts were obtained from administrative records of other government agencies. Other statistics were developed from industry averages. For the District, these establishments accounted for 4 percent of the total value of shipments.

Table 1. Historical Employment Statistics for Operating Manufacturing Establishments and Central Administrative Offices: 1977 and Earlier Years

(For definitions of SCSSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

District, standard metropolitan statistical area, and year	All establishments		Operating manufacturing establishments		Central administrative offices and auxiliaries ¹	
	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)
District of Columbia:						
1977.....	18.6	297.6	17.5	268.1	1.1	29.5
1972.....	19.4	220.0	18.4	203.2	1.0	16.8
1967.....	23.1	178.7	22.4	168.3	.7	10.4
1963.....	22.1	147.6	21.3	138.8	.9	8.9
STANDARD METROPOLITAN STATISTICAL AREA						
Washington, D.C.-Md.-Va.:						
1977.....	60.5	930.9	59.3	901.0	1.2	29.9
1972.....	55.6	588.9	52.9	544.7	2.7	44.2
1967.....	55.5	410.1	53.5	384.3	2.0	25.8
1963.....	50.1	324.3	47.0	291.3	3.1	33.0

¹Defined in appendix B. Data for these establishments are included at the total manufacturing level in each table in this report. Data for these establishments are shown separately in tables 5 and 9 and included in the District or SMSA totals in other tables.

Table 2a. Historical Statistics for the District and the Washington, D.C.-Md.-Va., Standard Metropolitan Statistical Area: 1977 and Earlier Years

(Includes SCSSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix to the report.																
Year ¹	Establishments ²		All employees ²		Production workers								Comparative indexes and U.S. employment			
	Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)	Value added by manu- facture (million dollars)	Cost of materials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)	Percent of U.S. manufac- turing employ- ment (per- cent)	Index of State em- ploy- ment change (1977= 100)	United States		
														Index of manufac- turing employ- ment change (1977= 100)	U.S. manu- facturing employ- ment (1,000)	
DISTRICT OF COLUMBIA																
1977 CENSUS.	555	130	18.6	297.6	7.5	13.3	102.3	610.2	377.7	984.4	18.1	.10	100	100	19 596.9	
1976 ASM ⁴ ...	(NA)	(NA)	17.9	227.8	(S)	(S)	(S)	553.2	371.4	932.0	20.0	.10	96	96	18 753.0	
1975 ASM ⁴ ...	(NA)	(NA)	19.5	279.4	(S)	(S)	(S)	509.0	386.2	888.3	14.9	.11	105	94	18 302.2	
1974 ASM ⁴ ...	(NA)	(NA)	20.5	280.4	(S)	(S)	(S)	486.2	383.2	870.2	18.1	.10	110	102	19 844.8	
1973 ASM.....	(NA)	(NA)	20.0	237.1	10.2	17.8	107.2	407.2	288.3	697.0	23.0	.10	108	102	19 897.9	
1972 CENSUS.	564	135	19.4	220.0	9.4	16.5	96.7	389.0	250.7	630.9	18.9	.10	104	98	19 028.7	
1971 ASM.....	(NA)	(NA)	20.4	200.8	9.9	17.6	93.1	350.3	244.4	592.4	25.7	.11	110	94	18 363.1	
1970 ASM.....	(NA)	(NA)	21.3	202.1	10.5	19.4	91.7	361.2	262.6	618.8	16.9	.11	115	99	19 217.2	
1969 ASM.....	(NA)	(NA)	21.5	189.1	10.3	18.9	80.4	331.6	247.6	580.1	11.3	.11	116	103	20 035.5	
1968 ASM.....	(NA)	(NA)	21.1	173.8	10.6	19.8	76.8	316.2	241.9	554.9	16.3	.11	114	100	19 527.6	
1967 CENSUS.	593	155	23.1	178.7	11.7	21.7	77.4	332.8	258.8	589.7	17.0	.12	124	99	19 323.2	
1966 ASM.....	(NA)	(NA)	24.0	176.9	12.2	22.6	79.0	302.9	267.2	567.2	10.9	.13	129	98	19 024.5	
1965 ASM.....	(NA)	(NA)	24.0	169.0	12.3	22.5	74.8	291.5	241.3	530.8	12.9	.13	129	94	18 302.2	
1964 ASM.....	(NA)	(NA)	24.0	169.8	10.8	20.8	67.7	273.5	225.2	497.0	10.2	.14	129	89	17 268.5	
1963 CENSUS.	617	167	22.1	147.6	11.3	21.3	64.7	256.8	(NA)	(NA)	13.0	.13	119	87	16 958.4	
WASHINGTON, D.C.-MD.-VA., SMSA																
1977 CENSUS.	2 055	510	60.5	930.9	29.8	56.1	354.5	1 820.7	1 435.2	3 233.5	87.9	.31	100	100	19 596.9	
1976 ASM.....	(NA)	(NA)	61.8	876.7	32.7	59.0	361.2	1 645.5	1 298.8	2 952.2	89.5	.33	102	96	18 753.0	
1975 ASM.....	(NA)	(NA)	64.0	881.0	31.7	58.9	336.0	1 446.8	1 231.0	2 761.1	81.8	.35	106	94	18 302.2	
1974 ASM.....	(NA)	(NA)	62.8	796.9	31.5	59.1	328.6	1 386.1	1 289.6	2 580.9	71.8	.32	104	102	19 844.8	
1973 ASM.....	(NA)	(NA)	58.9	666.8	31.6	58.2	296.9	1 107.2	997.5	2 079.6	79.9	.30	97	102	19 897.9	
1972 CENSUS.	1 727	480	55.6	588.9	29.4	54.6	262.4	1 060.5	834.6	1 885.4	58.8	.29	92	98	19 028.7	
1971 ASM.....	(NA)	(NA)	52.8	533.7	26.3	50.8	224.1	906.8	765.9	1 669.0	95.7	.29	87	94	18 363.1	
1970 ASM.....	(NA)	(NA)	55.2	516.6	27.2	54.0	219.8	881.4	743.7	1 623.3	53.3	.29	91	99	19 217.2	
1969 ASM.....	(NA)	(NA)	57.3	499.9	30.2	56.1	218.4	844.3	701.7	1 541.1	36.8	.29	95	103	20 035.5	
1968 ASM.....	(NA)	(NA)	55.1	433.3	30.4	57.9	204.5	769.8	631.4	1 392.6	37.3	.28	91	100	19 527.6	
1967 CENSUS.	1 388	434	55.5	410.1	31.3	61.0	196.0	728.2	606.9	1 332.8	40.9	.29	92	99	19 323.2	
1966 ASM.....	(NA)	(NA)	55.1	401.6	29.6	59.0	179.0	615.5	541.5	1 140.8	26.6	.29	91	98	19 024.5	
1965 ASM.....	(NA)	(NA)	53.1	370.3	28.8	56.0	169.2	587.0	497.9	1 076.3	32.4	.29	88	92	18 010.2	
1964 ASM.....	(NA)	(NA)	52.5	366.8	26.3	51.5	152.7	559.9	479.6	1 036.9	23.2	.30	87	89	17 268.5	
1963 CENSUS.	1 276	376	50.1	324.3	28.0	55.6	154.9	525.3	(NA)	(NA)	30.7	.30	83	87	16 958.4	

(NA) Not available. (S) Withheld because estimate did not meet publication standards.

¹In annual survey of manufactures (ASM) years, data are estimates based on a representative sample of establishments canvassed annually and may differ from results of a complete canvass of all establishments. ASM publication shows percentage standard errors. Unless otherwise noted, for data prior to 1963, see 1963 Census of Manufactures, vol. III, table 1 of the District of Columbia chapter.

²Including central administrative offices and auxiliaries (for definition, see appendix B).

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

⁴Data either have associated standard errors exceeding 15 percent or are not consistent with other census series and related data; thus, these estimates may be of limited reliability.

Table 2b. Selected Operating Ratios for the District and the Washington, D.C.-Md.-Va., Standard Metropolitan Statistical Area: 1977 and Earlier Years

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials as percent of value of shipments (percent)	Cost of materials and payroll as percent of value of shipments (percent)	Value added per employee (dollars)	Payroll as percent of value added (percent)	Value added per production worker hour (dollars)
DISTRICT OF COLUMBIA									
1977 CENSUS.....	16 019	40	1 763	7.72	38	69	32 845	49	46.04
1976 ASM.....	12 726	(S)	(S)	(S)	40	64	30 905	41	(S)
1975 ASM.....	14 328	(S)	(S)	(S)	43	75	26 103	55	(S)
1974 ASM.....	13 678	(S)	(S)	(S)	44	76	23 717	58	(S)
1973 ASM.....	11 855	51	1 745	6.02	41	75	20 360	58	22.88
1972 CENSUS.....	11 340	48	1 755	5.86	40	75	19 655	58	23.11
1971 ASM.....	9 843	49	1 778	5.29	41	75	17 172	57	19.90
1970 ASM.....	9 488	49	1 848	4.73	42	75	16 958	56	18.62
1969 ASM.....	8 795	48	1 835	4.25	43	75	15 423	57	17.54
1968 ASM.....	8 237	50	1 868	3.88	44	75	14 986	55	15.97
1967 CENSUS.....	7 736	51	1 855	3.57	44	74	14 407	54	15.34
1966 ASM.....	7 371	51	1 852	3.50	47	78	12 621	58	13.40
1965 ASM.....	7 042	51	1 829	3.32	45	77	12 146	58	12.96
1964 ASM.....	7 075	45	1 926	3.25	45	79	11 396	62	13.15
1963 CENSUS.....	6 679	51	1 885	3.04	(NA)	(NA)	11 620	57	12.06
WASHINGTON, D.C.-MD.-VA., SMSA									
1977 CENSUS.....	15 380	49	1 883	6.32	44	73	30 081	51	32.47
1976 ASM.....	14 186	53	1 804	6.12	44	74	26 626	53	27.89
1975 ASM.....	13 766	50	1 858	5.70	45	76	22 606	61	24.56
1974 ASM.....	12 689	50	1 876	5.56	50	81	22 072	57	23.45
1973 ASM.....	11 321	54	1 842	5.10	48	80	18 798	60	19.02
1972 CENSUS.....	10 592	53	1 857	4.81	44	76	19 074	56	19.42
1971 ASM.....	10 108	50	1 932	4.41	46	78	17 174	59	17.85
1970 ASM.....	9 359	49	1 985	4.07	46	78	15 967	59	16.32
1969 ASM.....	8 724	53	1 858	3.89	46	78	14 735	59	15.05
1968 ASM.....	7 864	55	1 905	3.53	45	76	13 971	56	13.30
1967 CENSUS.....	7 389	56	1 949	3.21	46	76	13 121	56	11.94
1966 ASM.....	7 289	54	1 993	3.03	47	83	11 171	65	10.43
1965 ASM.....	6 974	54	1 944	3.02	46	81	11 055	63	10.48
1964 ASM.....	6 987	50	1 958	2.97	46	82	10 665	66	10.87
1963 CENSUS.....	6 473	56	1 986	2.79	(NA)	(NA)	10 485	62	9.45

Note: For qualifications to data, see footnotes on table 2a.

(NA) Not available. (S) Withheld because estimate did not meet publication standards.

Table 3a. Summary Statistics for the District: 1977 and 1972

[For explanation of terms, see appendix B]

Item	Unit of measure	1977	1972
All establishments ¹	number	555	564
With 1 to 19 employees	do	425	429
With 20 to 99 employees	do	108	108
With 100 employees or more	do	22	27
All employees, average for year ¹	1,000	18.6	19.4
Payroll for year, all employees ¹	mil. dollars ..	297.6	219.6
Production workers:			
Average for year	1,000	7.5	9.4
March	do	7.6	9.3
May	do	7.6	9.4
August	do	7.3	9.4
November	do	7.5	9.4
Hours	millions	13.3	16.5
January to March	do	3.2	4.1
April to June	do	3.5	4.1
July to September	do	3.2	4.1
October to December	do	3.3	4.2
Wages	mil. dollars ..	102.3	95.5
Cost of materials, etc. ²	do	377.7	243.7
Materials, parts, containers, etc., consumed	do	255.1	176.8
Resales	do	18.2	15.9
Fuels consumed	do	2.1	1.2
Purchased electric energy	do	5.7	2.5
Contract work	do	96.6	46.8
Value of shipments, including resales ²	do	984.4	630.9
Value of resales	do	25.0	22.9
Value added by manufacture	do	610.2	389.0
Manufacturers' inventories:			
Beginning of year	do	61.8	34.9
Finished products	do	16.5	10.5
Work in process	do	18.0	10.1
Materials, supplies, fuel, etc.	do	27.3	14.3
End of year	do	79.4	35.7
Finished products	do	19.6	11.1
Work in process	do	18.4	10.4
Materials, supplies, fuel, etc.	do	41.4	14.1
Capital expenditures for plant and equipment	do	19.1	19.9
New capital expenditures	do	18.1	19.4
New buildings and other structures	do	2.6	6.9
New machinery and equipment	do	15.6	12.5
Used capital expenditures	do	1.0	0.5

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies.

¹Including central administrative offices and auxiliaries (for definition, see appendix B).

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 3b. Supplemental Statistics Based on Sample Estimates for the District: 1977

(For explanation of terms, see appendix B. For description of annual survey of manufactures (ASM), see appendix F)

Item	Amount (million dollars)	Standard error of estimate (percent)	Item	Amount (million dollars)	Standard error of estimate (percent)
Gross value of depreciable assets:			Rental payments:		
Total:			Total.....	7.7	7
Beginning of year.....	263.7	3	Buildings and other structures.....	2.9	13
New capital expenditures.....	(17.4)	18	Machinery and equipment.....	4.8	6
Used capital expenditures.....	(1.7)	54			
Retirements.....	25.5	3	Depreciation charges during 1977:		
End of year.....	257.3	3	Total.....	15.8	5
Buildings and other structures:			Buildings and other structures.....	3.1	5
Beginning of year.....	103.1	4	Machinery and equipment.....	12.7	5
New capital expenditures.....	(2.9)	53			
Used capital expenditures.....	(1.3)	66	Supplemental labor costs:		
Retirements.....	(.5)	17	Total.....	51.0	3
End of year.....	106.8	4	Legal costs.....	21.5	3
Machinery and equipment:			Voluntary costs.....	29.5	3
Beginning of year.....	160.5	4			
New capital expenditures.....	14.5	12	Purchased services:		
Automobiles, trucks, etc., for highway use...	.5	(NA)	Cost of purchased services for the repair of--		
Computers and peripheral data processing equip.	.7	(NA)	Buildings and other structures.....	1.8	10
All other.....	3.9	(NA)	Response coverage ratio (percent).....	70	(X)
New machinery and equipment, n.s.k.....	9.3	(NA)	Machinery.....	4.0	13
Used capital expenditures.....	(.4)	51	Response coverage ratio (percent).....	70	(X)
Retirements.....	25.0	3	Cost of purchased communication services.....	5.2	12
End of year.....	150.5	4	Response coverage ratio (percent).....	70	(X)

Note: Expenditures data, shown in tables 2a, 3a, and 4-8, are census universe figures and may differ from ASM sample estimates shown in this table. Table 3b figures represent best estimate of year-to-year change as measured by continuing ASM sample, but are subject to sampling errors. Hence, as estimates of level, they are not as reliable as universe figures. Figures in parentheses have standard errors of 15 percent or more. (NA) Not available. n.s.k. Not specified by kind.

(X) Not applicable.

Table 4. All Manufacturing Statistics for the District and the Washington, D.C.-Md.-Va., Standard Metropolitan Statistical Area: 1977 and 1972

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area	E ¹	1977											1972	
		All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)						
District of Columbia -----	-	555	130	18.6	297.6	7.5	13.3	102.3	610.2	377.7	984.4	18.1	19.0	376.0
STANDARD METROPOLITAN STATISTICAL AREAS														
Washington, D.C.-Md.-Va. -----	-	2 054	510	60.5	930.9	29.8	56.1	354.5	1 820.7	1 435.2	3 233.5	(D)	54.9	1 068.2
Portion in Maryland -----	-	884	229	25.8	383.7	14.0	26.7	159.6	625.5	696.4	1 330.8	(D)	222.1	404.0
Portion in District of Columbia -----	E ¹	555	130	18.6	297.6	7.5	13.3	102.3	610.2	377.7	984.4	18.1	19.4	389.0
Portion in Virginia -----	-	615	151	16.2	249.5	8.3	16.1	92.6	585.0	361.1	918.3	26.5	13.4	275.2

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Including central administrative offices and auxiliaries (for definition, see appendix B).
³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 5. Statistics by Selected Industry Group and Industry for the District: 1977 and 1972

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977												1972	
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	All Industries -----	-	555	130	18.6	297.6	7.5	13.3	102.3	610.2	377.7	984.4	18.1	19.4	389.0
20	Food and kindred products -----	-	15	7	1.5	24.4	0.5	1.0	7.1	52.0	37.6	89.5	3.3	1.5	48.4
205	Bakery products -----	-	7	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2051	Bread, cake, and related products -----	-	7	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
26	Paper and allied products -----	-	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
264	Miscellaneous converted paper products -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2645	Die-cut paper and board ----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
27	Printing and publishing -----	-	341	85	13.8	213.1	5.4	9.2	74.4	508.7	293.0	798.1	11.6	13.3	280.0
2711	Newspapers -----	-	29	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
2721	Periodicals -----	-	67	20	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.0	90.9
273	Books -----	-	28	7	0.8	9.3	0.5	0.9	5.7	16.2	9.2	24.6	1.2	1.0	16.8
2731	Book publishing -----	E1	20	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	8.6
2732	Book printing -----	-	8	5	0.3	4.5	0.2	0.4	3.1	6.2	4.4	10.6	(D)	0.5	8.2
2741	Miscellaneous publishing -----	-	33	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.6	18.5
275	Commercial printing -----	E1	137	35	2.1	31.6	1.6	3.0	20.9	52.5	41.5	94.5	2.9	2.3	38.3
2751	Commercial printing, letterpress -----	E3	61	8	0.4	4.3	0.3	0.5	3.1	7.7	5.1	12.8	0.4	0.8	12.3
2752	Commercial printing, lithographic -----	-	68	26	1.6	26.2	1.2	2.4	17.2	43.2	35.4	79.1	2.4	1.4	24.9
2761	Manifold business forms -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
279	Printing trade services -----	-	39	10	0.6	9.0	0.4	0.8	6.8	13.6	3.2	16.6	0.5	CC	(D)
2791	Typesetting -----	E1	32	8	0.4	5.4	0.3	0.6	4.3	8.2	1.1	9.2	0.4	BB	(D)
2795	Lithographic platemaking services -----	-	6	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the District: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Num-ber ² (1,000)	Payroll (million dollars)	Num-ber (1,000)	Hours (mil.)	Wages (million dollars)						
28	Chemicals and allied products -----	-	8	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
289	Miscellaneous chemical products -----	-	4	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2893	Printing ink -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
34	Fabricated metal products -----	E1	19	5	0.7	9.6	0.5	1.0	7.8	13.6	11.3	24.7	(D)	0.4	7.9
344	Fabricated structural metal products -----	-	12	5	0.6	9.3	0.5	1.0	7.6	13.1	11.0	23.9	(D)	0.4	7.4
3443	Fabricated plate work (boiler shops) -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3444	Sheet metal work -----	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
35	Machinery, except electrical -----	E1	11	2	0.2	2.7	0.1	0.3	1.5	3.9	3.0	6.9	0.1	0.2	3.0
39	Miscellaneous manufacturing industries -----	E1	17	4	0.2	2.3	0.1	0.2	1.2	3.4	1.9	5.4	(D)	0.3	3.2
-	Administrative and auxiliary -----	-	87	17	1.1	29.5	-	-	-	-	-	-	-	EE	(D)

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹ Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
² Statistics for some industry groups and industries are withheld to avoid disclosing figures for individual companies. However, for such industry groups and industries with 150 employees or more, number of establishments is shown and employment size range is indicated by one of the following symbols: AA—150 to 249 employees; BB—250 to 499 employees; CC—500 to 999 employees; EE—1,000 to 2,499 employees; FF—2,500 employees or more. Statistics for industry groups shown include data for all component industries, regardless of whether data are shown for individual industries in the group.
³ Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 6. Statistics by Selected Industry Group and Industry for the Washington, D.C.-Md.-Va., Standard Metropolitan Statistical Area: 1977 and 1972

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

includes industry groups and industries with 250 employees or more in 1972. For explanation of terms, see appendix B]															
SIC code	SMSA and industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Washington, D.C.-Md.-Va., SMSA -----	-	2 054	510	60.5	930.9	29.8	56.1	354.5	1 820.7	1 435.2	3 233.5	(D)	54.9	1 068.2
20	Food and kindred products --	-	80	39	4.9	76.8	2.3	4.8	32.7	203.4	416.0	618.8	11.4	5.2	141.0
202	Dairy products -----	-	15	10	0.9	16.3	0.4	1.0	7.9	43.0	191.9	235.3	3.4	0.9	32.8
2026	Fluid milk -----	-	6	4	0.6	11.1	0.3	0.6	5.1	31.1	110.0	141.3	2.1	0.6	24.9
205	Bakery products -----	-	26	11	2.1	35.1	0.9	1.9	14.4	74.3	61.0	134.1	4.6	1.5	44.5
2051	Bread, cake, and related products -----	-	26	11	2.1	35.1	0.9	1.9	14.4	74.3	61.0	134.1	4.6	1.5	44.5
208	Beverages -----	-	13	8	1.1	16.1	0.4	0.9	4.5	49.6	72.1	121.5	2.2	1.4	32.6
209	Miscellaneous foods and kindred products -----	-	16	6	0.5	4.8	0.4	0.7	3.3	21.8	50.9	72.4	0.9	0.6	15.8
24	Lumber and wood products --	E4	75	10	0.8	8.1	0.6	1.2	5.5	15.1	17.2	32.1	1.1	0.8	11.5
243	Millwork, plywood, and structural members -----	E3	28	8	0.5	5.9	0.4	0.8	3.8	9.7	12.5	21.9	0.7	0.6	6.6
25	Furniture and fixtures -----	E3	63	11	0.8	8.2	0.7	1.2	5.5	15.8	17.0	32.8	0.5	0.6	8.1
251	Household furniture -----	E1	20	3	0.3	2.6	0.2	0.5	1.6	5.6	8.5	14.1	0.2	(NA)	(NA)
259	Miscellaneous furniture and fixtures -----	E4	13	4	0.3	3.1	0.2	0.4	2.2	5.9	5.1	11.0	0.2	0.3	3.6
26	Paper and allied products --	-	15	6	0.7	9.7	0.6	1.0	6.9	20.1	15.0	35.1	0.7	0.6	9.0
264	Miscellaneous converted paper products -----	-	8	3	0.4	6.2	0.3	0.6	4.8	12.7	11.4	24.2	0.6	(NA)	(NA)
265	Paperboard containers and boxes -----	E1	7	3	0.3	3.5	0.2	0.4	2.1	7.5	3.6	10.9	0.1	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for the Washington, D.C.-Md.-Va., Standard Metropolitan Statistical Area: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Washington, D.C.-Md.-Va., SMSA—Con.														
27	Printing and publishing -----	-	863	185	22.8	339.8	11.3	19.9	146.0	857.0	481.8	1 337.8	28.2	21.6	423.1
2711	Newspapers -----	-	75	17	6.5	102.9	2.6	4.0	38.8	219.4	95.7	314.6	7.1	7.0	127.6
2721	Periodicals -----	-	118	25	4.0	60.0	0.2	0.4	2.7	195.5	128.4	328.7	2.8	4.6	123.2
275	Commercial printing -----	E1	406	79	6.2	93.2	4.9	9.1	66.4	158.6	122.3	279.1	9.5	5.4	87.8
2751	Commercial printing, letterpress -----	E4	203	18	1.2	14.0	1.0	1.7	10.0	25.7	17.9	43.5	1.4	1.5	21.5
2752	Commercial printing, lithographic -----	-	185	60	4.9	77.7	3.8	7.3	55.5	130.6	103.3	232.2	8.0	3.7	63.7
279	Printing trade services -----	E1	96	22	1.3	19.2	1.0	1.9	14.3	30.9	5.9	36.5	1.5	1.3	22.9
2791	Typesetting -----	E1	80	18	1.0	12.9	0.8	1.4	9.9	21.0	2.8	23.7	1.3	1.0	16.3
2795	Lithographic platemaking services --	-	12	4	0.3	6.2	0.2	0.5	4.3	9.7	3.0	12.6	(D)	(NA)	(NA)
28	Chemicals and allied products -----	E1	44	11	1.4	18.5	0.9	1.7	8.2	45.1	44.9	88.0	12.8	1.1	25.7
283	Drugs -----	-	12	6	0.8	8.9	0.5	0.9	3.6	20.1	14.5	34.6	(D)	(NA)	(NA)
2834	Pharmaceutical preparations -----	-	4	3	0.4	3.9	0.2	0.4	1.4	9.7	8.8	18.5	(D)	(NA)	(NA)
289	Miscellaneous chemical products -----	-	13	1	0.3	4.9	0.2	0.3	2.4	9.1	13.8	22.5	(D)	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	E1	29	6	0.4	4.7	0.3	0.6	2.6	7.8	8.7	16.4	1.3	(NA)	(NA)
32	Stone, clay, and glass products -----	-	78	33	2.7	33.8	2.1	4.2	24.2	77.3	90.6	167.6	5.2	3.1	62.2
327	Concrete, gypsum, and plaster products -----	-	54	27	2.4	30.5	1.8	3.8	22.0	70.4	86.4	156.4	4.8	2.6	55.9
3271	Concrete block and brick -----	-	10	5	0.3	3.3	0.2	0.3	1.6	7.1	11.4	18.5	0.5	(NA)	(NA)
3272	Concrete products, n.e.c. -----	E1	20	9	0.5	5.1	0.4	0.7	3.2	10.8	6.6	17.2	0.8	0.8	12.3
3273	Ready-mixed concrete --	-	24	13	1.7	22.1	1.3	2.7	17.2	52.5	68.4	120.7	3.5	1.6	38.5
34	Fabricated metal products ---	E1	124	37	2.8	37.9	2.1	3.9	24.0	62.2	67.5	127.7	3.7	2.8	46.6
344	Fabricated structural metal products -----	-	75	30	2.4	33.2	1.7	3.2	20.7	53.7	61.6	113.3	3.0	2.4	40.5
3441	Fabricated structural metal -----	E1	17	12	0.9	13.5	0.7	1.4	7.7	23.8	28.9	50.9	1.4	1.0	18.4
3443	Fabricated plate work (boiler shops) -----	-	5	2	0.3	3.8	0.2	0.4	3.1	5.0	2.6	7.4	(D)	(NA)	(NA)
3444	Sheet metal work -----	-	16	4	0.5	6.8	0.4	0.7	5.3	10.9	10.0	20.9	0.3	0.4	6.3
3446	Architectural metal work -----	-	26	7	0.4	5.4	0.3	0.5	3.0	9.2	6.0	15.2	(D)	0.5	6.4
35	Machinery, except electrical -	E1	128	26	1.9	25.4	1.2	2.4	13.2	51.3	29.6	80.2	(D)	2.2	29.4
358	Refrigeration and service machinery -----	-	11	4	0.3	4.1	0.2	0.4	2.1	10.2	7.2	17.3	0.2	0.3	5.5
3585	Refrigeration and heating equipment -----	-	8	4	0.3	3.8	0.2	0.4	1.9	9.7	7.0	16.5	(D)	(NA)	(NA)
359	Miscellaneous machinery, except electrical -----	E2	64	8	0.6	7.0	0.5	0.9	5.0	12.0	6.1	17.9	0.8	0.6	7.6
3599	Machinery, except electrical, n.e.c. -----	E2	64	8	0.6	7.0	0.5	0.9	5.0	12.0	6.1	17.9	0.8	0.6	7.6
36	Electric and electronic equipment -----	-	148	50	10.7	178.0	4.4	8.6	46.2	345.9	151.5	482.2	16.1	8.3	203.3
366	Communication equipment -----	-	66	32	9.2	159.9	3.3	6.4	36.0	312.6	128.3	426.0	13.3	4.5	94.5
367	Electronic components and accessories -----	E3	44	9	0.8	9.0	0.6	1.2	5.5	16.5	9.2	25.3	1.7	3.0	97.2
3679	Electronic components, n.e.c. -----	E4	36	5	0.4	4.8	0.3	0.5	3.0	8.9	5.4	14.1	1.1	(NA)	(NA)
37	Transportation equipment ---	-	16	3	0.7	11.4	0.6	1.3	9.2	19.3	14.3	34.7	0.5	1.5	33.3
38	Instruments and related products -----	-	90	26	2.9	44.6	1.5	2.8	18.4	70.2	36.4	105.0	3.0	1.5	26.4
3811	Engineering and scientific instruments --	E4	17	4	0.3	3.9	0.2	0.3	2.1	6.7	3.4	9.7	0.7	0.4	5.8
382	Measuring and controlling devices -----	-	23	9	1.4	23.6	0.8	1.6	10.6	31.1	13.6	44.5	1.1	(NA)	(NA)
3832	Optical instruments and lenses -----	-	11	5	0.4	5.2	0.1	0.3	1.6	10.3	5.4	15.2	0.4	0.3	6.4
384	Medical instruments and supplies -----	-	17	3	0.4	5.6	0.2	0.3	1.5	10.0	6.3	16.0	0.5	(NA)	(NA)
3861	Photographic equipment and supplies -----	-	13	4	0.4	5.9	0.2	0.3	2.3	11.4	7.3	18.5	0.3	0.4	7.0
39	Miscellaneous manufacturing industries ---	E3	87	11	0.7	7.9	0.5	0.9	4.6	13.2	8.6	21.8	0.4	0.9	12.0
399	Miscellaneous manufactures -----	E3	54	9	0.6	6.5	0.4	0.7	3.8	10.7	6.1	16.8	0.3	0.7	10.4
3993	Signs and advertising displays -----	E2	35	8	0.5	5.8	0.3	0.6	3.4	9.3	5.0	14.3	0.3	0.5	7.5
--	Administrative and auxiliary --	-	146	48	5.3	116.0	-	-	-	-	-	-	-	(NA)	(NA)

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (S) Withheld because estimate did not meet publication standards.
 (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972

[Not applicable]

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972

[Not applicable]

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the District: 1977

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

District and employee size class	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
DISTRICT OF COLUMBIA.....	555	15	-	-	14	8	11	4	341	8	1	1	-	4	-	19	11	9	1	4	17	87
1 TO 4 EMPLOYEES.....	246	4	-	-	7	4	2	1	153	4	1	-	-	2	-	8	5	4	1	3	10	37
5 TO 9 EMPLOYEES.....	97	2	-	-	2	2	5	1	50	3	-	-	-	-	-	5	1	2	-	-	1	23
10 TO 19 EMPLOYEES.....	82	2	-	-	5	-	3	-	53	-	-	1	-	-	-	1	3	2	-	-	2	10
20 TO 49 EMPLOYEES.....	79	3	-	-	-	2	1	1	52	-	-	-	-	1	-	1	1	1	-	1	4	11
50 TO 99 EMPLOYEES.....	28	1	-	-	-	-	-	-	19	-	-	-	-	1	-	2	1	-	-	-	-	5
100 TO 249 EMPLOYEES.....	12	2	-	-	-	-	-	-	5	1	-	-	-	1	-	2	1	-	-	-	-	1
250 TO 499 EMPLOYEES.....	5	-	-	-	-	-	-	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-
500 TO 999 EMPLOYEES.....	2	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
1,000 TO 2,499 EMPLOYEES.....	3	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-
2,500 EMPLOYEES AND OVER.....	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: Data on number of establishments by employment size class by 4-digit SIC industry for the District are presented in Location of Manufacturing Plants data series. This series is available only on computer tape (see Introduction).

-Represents zero.

¹Only those size classes that include data for manufacturing establishments are shown.

Florida

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SUMMARY OF FINDINGS

In 1977, 358.0 thousand persons were employed in Florida's manufacturing establishments. This figure represented an increase of 4 percent from the 1972 figure of 342.9 thousand workers.

The total value added by manufacture for the State amounted to \$9,255 million in 1977, an increase of approximately 60 percent from the 1972 figure of \$5,787 million. All dollar figures in this report are in current dollars and are, therefore, not adjusted for changes in price levels.

In the State, the most important industry groups ranked by employment were food and kindred products, electric and electronic equipment, transportation equipment, and apparel and other textile products. They accounted for approximately 44 percent of the State's 1977 employment. These same industry groups were in the forefront for 1972 when they accounted for approximately 43 percent of the State's employment.

The most important counties in the State ranked by employment, were Dade, Hillsborough, Broward, and Duval. They accounted for approximately 48 percent of the State's 1977 manufacturing employment. In 1972, these same counties accounted for approximately 49 percent of the State's employment.

The methods of data collection and use of administrative records data are discussed in detail in the Introduction. Small single-unit companies with up to 20 employees (the cutoff varied by industry) were excluded from the mail portion of the census. For these establishments (and a small number of larger establishments whose reports were not received in time to be tabulated), statistics on payrolls and receipts were obtained from administrative records of other government agencies. Other statistics were developed from industry averages. For this State, these establishments accounted for 8 percent of the total value of shipments.

Table 1. Historical Employment Statistics for Operating Manufacturing Establishments and Central Administrative Offices: 1977 and Earlier Years

(For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

State, standard metropolitan statistical area, and year	All establishments		Operating manufacturing establishments		Central administrative offices and auxiliaries ¹	
	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)
Florida:						
1977.....	358.0	4,133.1	350.0	4,003.3	8.0	129.8
1972.....	342.9	2,750.3	336.7	2,672.8	6.2	77.5
1967.....	285.1	1,754.7	281.1	1,720.5	4.0	34.2
1963.....	215.4	1,102.3	212.0	1,073.2	3.4	29.0
STANDARD METROPOLITAN STATISTICAL AREAS						
Bradenton:						
1977.....	4.1	49.4	4.1	49.4	-	-
1972.....	4.6	34.4	(NA)	(NA)	(NA)	(NA)
Daytona Beach:						
1977.....	6.5	69.5	6.4	67.3	.1	2.2
1972.....	5.7	43.5	(D)	(D)	(D)	(D)
Fort Lauderdale-Hollywood:						
1977.....	29.7	350.3	29.3	339.4	.4	10.9
1972.....	25.0	195.5	24.6	190.2	.4	5.3
1967.....	15.8	94.8	(D)	(D)	(D)	(D)
1963.....	9.8	43.6	(D)	(D)	(D)	(D)
Fort Myers:						
1977.....	3.0	29.4	(D)	(D)	(D)	(D)
1972.....	2.3	15.1	(D)	(D)	(D)	(D)
Gainesville:						
1977.....	4.1	41.3	4.1	41.3	-	-
1972.....	3.8	26.9	3.8	26.9	-	-
Jacksonville:						
1977.....	29.9	373.9	29.0	361.1	.9	12.8
1972.....	28.4	235.1	28.0	230.1	.4	5.0
Lakeland-Winter Haven:						
1977.....	16.7	199.5	16.6	198.2	.1	1.3
1972.....	14.9	116.8	(D)	(D)	(D)	(D)
Melbourne-Titusville-Cocoa Beach:						
1977.....	14.4	196.0	14.0	187.1	.4	8.9
1972.....	13.6	161.6	13.2	154.6	.4	7.0
Miami:						
1977.....	85.1	812.8	84.4	800.4	.7	12.4
1972.....	86.0	608.9	84.3	585.9	1.7	23.0
1967.....	58.3	302.9	57.6	295.2	.7	7.7
1963.....	43.2	192.6	42.7	186.8	.5	5.7
Orlando:						
1977.....	24.8	323.2	24.4	318.6	.4	4.6
1972.....	25.4	230.8	25.1	227.5	.3	3.3
1967.....	21.7	157.9	20.9	151.2	.8	6.7
1963.....	19.4	124.9	(D)	(D)	(D)	(D)
Panama City:						
1977.....	2.6	34.6	2.6	34.6	-	-
1972.....	2.6	25.2	(NA)	(NA)	(NA)	(NA)
Pensacola:						
1977.....	12.7	179.0	11.8	17.67	.9	18.5
1972.....	14.0	125.6	13.2	115.1	.8	10.5
1967.....	13.2	88.7	(D)	(D)	(D)	(D)
1963.....	13.1	75.9	13.1	75.9	-	-
Sarasota:						
1977.....	5.2	59.8	5.2	59.8	-	-
1972.....	4.6	33.6	4.6	33.6	-	-
Tallahassee:						
1977.....	2.1	22.3	(D)	(D)	(D)	(D)
1972.....	2.2	16.4	2.2	16.4	-	-
1967.....	1.6	7.6	1.6	7.6	-	-
Tampa-St. Petersburg:						
1977.....	59.7	686.6	57.7	653.1	2.0	33.5
1972.....	59.8	469.3	58.6	455.4	1.2	13.9
West Palm Beach-Boca Raton:						
1977.....	21.1	330.8	19.6	314.1	1.5	16.7
1972.....	18.0	187.5	17.7	184.0	.3	3.5
1967.....	15.4	106.6	15.3	106.2	.1	.4
1963.....	11.9	73.3	(D)	(D)	(D)	(D)

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available.

¹Defined in appendix B. Data for these establishments are included at the total manufacturing level in each table in this report. Data for these establishments are shown separately in tables 5 and 9 and included in State, SMSA, county, or city totals in other tables.

Table 2a. Historical Statistics for the State and Selected Standard Metropolitan Statistical Areas:
1977 and Earlier Years

Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Establishments ²		All employees ²		Production workers			Value added by manu- facture materials ³ Value of ship- ments ³ New capital expendi- tures				Comparative indexes and U.S. employment				
	Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)					Percent of U.S. manufac- turing employ- ment (per- cent)		Index of State em- ploy- ment change (1977= 100)	United States	
								Index of manufac- turing employ- ment change (1977= 100)	U.S. manu- facturing employ- ment (1,000)							
FLORIDA																
1977 CENSUS.	12 399	2 915	358.0	4 133.1	249.6	485.2	2 335.5	9 255.1	11 898.4	20 980.6	737.3	1.83	100	100	19 596.9	
1976 ASM....	(NA)	(NA)	331.4	3 516.4	225.9	432.9	1 959.9	8 280.0	9 941.0	18 091.3	867.0	1.77	93	96	18 753.0	
1975 ASM....	(NA)	(NA)	324.7	3 215.4	218.0	413.3	1 769.7	7 437.2	8 892.2	16 335.8	819.2	1.77	91	94	18 302.2	
1974 ASM....	(NA)	(NA)	361.1	3 276.4	245.0	475.5	1 845.4	7 425.2	8 595.4	15 758.4	736.0	1.82	101	102	19 844.8	
1973 ASM....	(NA)	(NA)	362.1	3 049.5	252.9	503.0	1 749.9	6 496.9	7 329.6	13 725.6	519.9	1.82	101	102	19 897.9	
1972 CENSUS.	10 275	2 893	342.9	2 750.3	242.0	481.5	1 580.8	5 786.8	6 276.8	11 957.7	463.0	1.80	96	98	19 028.7	
1971 ASM....	(NA)	(NA)	308.5	2 282.2	211.6	422.0	1 296.4	4 821.8	5 172.1	10 004.7	417.0	1.68	86	94	18 363.1	
1970 ASM....	(NA)	(NA)	310.0	2 192.2	210.1	426.3	1 211.8	4 560.1	4 938.0	9 522.8	377.8	1.61	87	99	19 217.2	
1969 ASM....	(NA)	(NA)	313.5	2 129.1	217.0	436.8	1 184.6	4 398.5	4 630.6	8 927.9	312.9	1.56	88	103	20 035.5	
1968 ASM....	(NA)	(NA)	294.8	1 911.3	203.5	413.5	1 068.7	4 046.4	4 152.5	8 153.7	283.1	1.51	82	100	19 527.6	
1967 CENSUS.	7 950	2 186	285.1	1 754.7	197.3	399.8	990.0	3 682.7	3 704.1	7 322.9	300.7	1.48	80	99	19 323.2	
1966 ASM....	(NA)	(NA)	349.3	1 444.0	171.7	353.2	810.7	2 938.4	3 263.6	6 154.7	306.8	1.84	98	98	19 024.5	
1965 ASM....	(NA)	(NA)	232.4	1 268.0	159.4	328.1	716.4	2 688.5	2 957.6	5 607.1	297.7	1.29	65	92	18 010.2	
1964 ASM....	(NA)	(NA)	221.6	1 160.3	150.8	310.4	650.3	2 486.7	2 844.9	5 301.1	166.8	1.28	62	89	17 268.5	
1963 CENSUS.	7 377	1 806	215.4	1 102.3	148.4	301.3	626.2	2 352.0	(NA)	(NA)	190.6	1.27	60	87	16 958.4	
DADE COUNTY SCSA																
1977 CENSUS.	4 890	1 162	114.8	1 163.1	86.2	164.6	702.0	2 625.7	2 325.2	4 889.6	166.4	.59	100	100	19 596.9	
1972 CENSUS.	3 998	1 185	110.9	804.4	83.3	161.0	490.8	1 606.9	1 439.6	3 017.1	111.9	.58	97	98	19 028.7	
MIAMI SMSA																
1977 CENSUS.	3 410	888	85.1	812.8	65.8	124.1	509.2	1 797.5	1 784.0	3 546.0	112.3	.43	100	100	19 596.9	
1976 ASM....	(NA)	(NA)	78.4	712.3	57.5	106.1	416.0	1 404.3	1 500.2	2 887.3	114.4	.42	92	96	18 753.0	
1975 ASM....	(NA)	(NA)	79.1	685.0	58.1	107.5	406.7	1 306.0	1 372.5	2 683.8	82.7	.43	93	94	18 302.2	
1974 ASM....	(NA)	(NA)	86.5	700.7	62.9	119.2	416.7	1 379.3	1 387.6	2 735.0	105.9	.44	102	102	19 844.8	
1973 ASM....	(NA)	(NA)	89.1	661.7	67.3	129.0	403.6	1 286.8	1 300.0	2 569.8	86.8	.45	105	102	19 897.9	
1972 CENSUS.	2 890	937	86.0	608.9	66.0	127.4	376.8	1 219.0	1 170.7	2 362.1	80.0	.45	101	98	19 028.7	
1971 ASM....	(NA)	(NA)	70.5	458.2	51.4	101.1	283.6	963.8	1 021.6	1 981.6	59.7	.38	83	94	18 363.1	
1970 ASM....	(NA)	(NA)	69.8	434.9	49.9	99.8	262.0	830.1	877.7	1 718.6	64.8	.36	82	99	19 217.2	
1969 ASM....	(NA)	(NA)	72.7	426.1	57.2	112.2	277.7	833.8	804.8	1 622.5	46.3	.36	85	103	20 035.5	
1968 ASM....	(NA)	(NA)	65.3	368.7	51.0	101.6	238.8	708.9	714.4	1 414.4	33.9	.33	77	100	19 527.6	
1967 CENSUS.	2 094	663	58.3	302.9	44.3	87.4	192.2	589.4	578.9	1 165.0	33.4	.30	69	99	19 323.2	
1966 ASM....	(NA)	(NA)	53.4	265.2	38.0	75.9	156.7	521.2	550.4	1 063.0	33.0	.28	63	98	19 024.5	
1965 ASM....	(NA)	(NA)	49.8	236.3	35.4	70.5	139.9	466.4	501.7	958.7	25.3	.28	59	92	18 010.2	
1964 ASM....	(NA)	(NA)	46.0	207.6	33.6	68.1	127.6	388.0	446.7	824.9	12.7	.27	54	89	17 268.5	
1963 CENSUS.	1 923	534	43.2	192.6	31.7	63.1	119.7	363.1	(NA)	(NA)	21.9	.25	51	87	16 958.4	
TAMPA-ST. PETERSBURG SMSA																
1977 CENSUS.	1 753	440	59.7	686.6	40.6	77.6	382.5	1 558.2	1 980.0	3 491.4	96.0	.30	100	100	19 596.9	
1976 ASM....	(NA)	(NA)	55.0	603.8	35.4	65.9	319.3	1 347.1	1 718.4	3 023.6	92.1	.29	92	96	18 753.0	
1975 ASM....	(NA)	(NA)	56.0	571.9	35.9	68.4	308.2	1 313.4	1 621.3	2 933.6	176.8	.31	94	94	18 302.2	
1974 ASM....	(NA)	(NA)	62.7	598.1	41.1	78.0	328.6	1 325.5	1 530.3	2 820.6	97.3	.32	105	102	19 844.8	
1973 ASM....	(NA)	(NA)	65.8	539.4	45.5	89.9	312.0	1 150.9	1 376.8	2 486.2	91.9	.33	110	102	19 897.9	
1972 CENSUS.	1 455	452	59.8	469.3	42.2	84.2	278.0	951.5	1 098.9	2 032.1	78.3	.31	100	98	19 028.7	

NA, Not available.
¹In annual survey of manufactures (ASM) years, data are estimates based on a representative sample of establishments canvassed annually and may differ from results of a complete canvass of all establishments. ASM publication shows percentage standard errors. Unless otherwise noted, for data prior to 1963, see 1963 Census of Manufactures, vol. III, table 1 of State chapter.
²Including central administrative offices and auxiliaries (for definition, see appendix B).
³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 2b. Selected Operating Ratios for the State and Selected Standard Metropolitan Statistical Areas: 1977 and Earlier Years

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials as percent of value of shipments (percent)	Cost of materials and payroll as percent of value of shipments (percent)	Value added per employee (dollars)	Payroll as percent of value added (percent)	Value added per production worker hour (dollars)
FLORIDA									
1977 CENSUS.....	11 544	70	1 944	4.81	57	76	25 850	45	19.07
1976 ASM.....	10 611	68	1 916	4.53	55	74	24 985	42	19.13
1975 ASM.....	9 903	67	1 896	4.28	54	74	22 905	43	17.99
1974 ASM.....	9 073	68	1 941	3.88	55	75	20 563	44	15.62
1973 ASM.....	8 422	70	1 989	3.48	53	76	17 942	47	12.92
1972 CENSUS.....	8 021	71	1 990	3.28	52	75	16 876	48	12.02
1971 ASM.....	7 398	69	1 994	3.07	52	75	15 630	47	11.43
1970 ASM.....	7 072	68	2 029	2.84	52	75	14 710	48	10.70
1969 ASM.....	6 791	69	2 013	2.71	52	76	14 030	48	10.07
1968 ASM.....	6 483	69	2 032	2.58	51	74	13 726	47	9.79
1967 CENSUS.....	6 155	69	2 026	2.48	51	75	12 917	48	9.21
1966 ASM.....	4 134	49	2 057	2.30	53	76	8 412	49	8.32
1965 ASM.....	5 456	69	2 058	2.18	53	75	11 568	47	8.19
1964 ASM.....	5 236	68	2 058	2.10	54	76	11 222	47	8.01
1963 CENSUS.....	5 117	69	2 030	2.08	(NA)	(NA)	10 919	47	7.81
DADE COUNTY SCSA									
1977 CENSUS.....	10 134	75	1 911	4.26	48	71	22 878	44	15.95
1972 CENSUS.....	7 253	75	1 933	3.05	48	74	14 490	50	9.98
MIAMI SMSA									
1977 CENSUS.....	9 552	77	1 885	4.10	50	73	21 123	45	14.49
1976 ASM.....	9 085	73	1 845	3.92	52	77	17 912	51	13.24
1975 ASM.....	8 660	73	1 850	3.78	51	77	16 511	52	12.15
1974 ASM.....	8 101	73	1 895	3.50	51	76	15 946	51	11.57
1973 ASM.....	7 426	76	1 917	3.13	51	76	14 442	51	9.98
1972 CENSUS.....	7 080	77	1 930	2.96	50	75	14 174	50	9.57
1971 ASM.....	6 499	73	1 967	2.81	52	75	13 671	48	9.53
1970 ASM.....	6 231	71	2 000	2.63	51	76	11 893	52	8.32
1969 ASM.....	5 861	79	1 962	2.48	50	76	11 469	51	7.43
1968 ASM.....	5 646	78	1 992	2.35	51	77	10 856	52	6.98
1967 CENSUS.....	5 196	76	1 973	2.20	50	76	10 110	51	6.74
1966 ASM.....	4 966	71	1 997	2.06	52	77	9 760	51	6.87
1965 ASM.....	4 745	71	1 992	1.98	52	77	9 365	51	6.62
1964 ASM.....	4 513	73	2 027	1.87	54	79	8 435	54	5.70
1963 CENSUS.....	4 458	73	1 991	1.90	(NA)	(NA)	8 405	53	5.75
TAMPA-ST. PETERSBURG SMSA									
1977 CENSUS.....	11 507	68	1 912	4.93	57	76	26 114	44	20.09
1976 ASM.....	10 978	64	1 862	4.85	57	77	24 493	45	20.44
1975 ASM.....	10 213	64	1 905	4.51	55	75	23 454	44	19.20
1974 ASM.....	9 539	66	1 898	4.21	54	75	21 140	45	16.99
1973 ASM.....	8 198	69	1 976	3.47	55	77	17 491	47	12.80
1972 CENSUS.....	7 848	71	1 995	3.30	54	77	15 911	49	11.30

Note: For qualifications to data, see footnotes on table 2a.
(NA) Not available.

Table 3a. Summary Statistics for the State: 1977 and 1972

[For explanation of terms, see appendix B]

Item	Unit of measure	1977	1972
All establishments ¹	number	12 399	10 275
With 1 to 19 employees	do	9 484	7 382
With 20 to 99 employees	do	2 221	2 198
With 100 employees or more	do	694	695
All employees, average for year ¹	1,000	35.8	342.9
Payroll for year, all employees ¹	mil. dollars ..	4 133.1	2 750.3
Production workers:			
Average for year	1,000	249.6	242.0
March	do	246.7	239.6
May	do	248.4	240.0
August	do	246.4	238.6
November	do	255.0	249.7
Hours	millions	485.2	481.5
January to March	do	120.7	120.0
April to June	do	122.0	120.0
July to September	do	118.9	117.2
October to December	do	123.6	124.3
Wages	mil. dollars ..	2 335.5	1 580.8
Cost of materials, etc. ²	do	11 898.4	6 276.8
Materials, parts, containers, etc., consumed	do	10 419.0	5 566.3
Resales	do	649.0	367.9
Fuels consumed	do	307.5	94.7
Purchased electric energy	do	279.0	91.2
Contract work	do	243.9	156.6
Value of shipments, including resales ²	do	20 980.6	11 957.7
Value of resales	do	792.1	443.6
Value added by manufacture	do	9 255.1	5 786.8
Manufacturers' inventories:			
Beginning of year	do	2 643.9	1 384.5
Finished products	do	887.8	528.7
Work in process	do	779.4	377.2
Materials, supplies, fuel, etc.	do	976.7	478.6
End of year	do	2 957.8	1 530.3
Finished products	do	1 015.8	571.7
Work in process	do	856.7	429.1
Materials, supplies, fuel, etc.	do	1 085.4	529.5
Capital expenditures for plant and equipment	do	819.6	490.5
New capital expenditures	do	737.3	463.0
New buildings and other structures	do	127.8	100.2
New machinery and equipment	do	609.5	362.8
Used capital expenditures	do	82.2	27.5

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies.

¹Including central administrative offices and auxiliaries (for definition, see appendix B).

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 3b. Supplemental State Statistics Based on Sample Estimates: 1977

(For explanation of terms, see appendix B. For description of annual survey of manufactures (ASM), see appendix F)

Item	Amount (million dollars)	Standard error of estimate (percent)	Item	Amount (million dollars)	Standard error of estimate (percent)
Gross value of depreciable assets:			Rental payments:		
Total:			Total.....	160.5	4
Beginning of year.....	6,904.8	1	Buildings and other structures.....	70.5	8
New capital expenditures.....	720.1	1	Machinery and equipment.....	90.0	3
Used capital expenditures.....	133.9	10			
Retirements.....	303.4	2	Depreciation charges during 1977:		
End of year.....	7,455.3	1	Total.....	487.1	2
Buildings and other structures:			Buildings and other structures.....	66.3	2
Beginning of year.....	1,505.1	1	Machinery and equipment.....	420.8	2
New capital expenditures.....	120.2	6			
Used capital expenditures.....	11.9	9	Supplemental labor costs:		
Retirements.....	27.6	5	Total.....	683.3	1
End of year.....	1,609.6	1	Legal costs.....	319.0	1
Machinery and equipment:			Voluntary costs.....	364.3	2
Beginning of year.....	5,399.6	1			
New capital expenditures.....	599.8	3	Purchased services:		
Automobiles, trucks, etc., for highway use...	27.5	(NA)	Cost of purchased services for the repair of--		
Computers and peripheral data processing equip.	20.0	(NA)	Buildings and other structures.....	29.4	8
All other.....	450.8	(NA)	Response coverage ratio (percent).....	63	(X)
New machinery and equipment, n.s.k.....	101.5	(NA)	Machinery.....	198.1	7
Used capital expenditures.....	122.0	10	Response coverage ratio (percent).....	64	(X)
Retirements.....	275.9	2	Cost of purchased communication services.....	72.6	10
End of year.....	5,845.5	1	Response coverage ratio (percent).....	64	(X)

Note: Expenditures data, shown in tables 2a, 3a, and 4-8, are census universe figures and may differ from ASM sample estimates shown in this table. Table 3b figures represent best estimate of year-to-year change as measured by continuing ASM sample, but are subject to sampling errors. Hence, as estimates of level, they are not as reliable as universe figures.

(NA) Not available. n.s.k. Not specified by kind. (X) Not applicable.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area		1977										1972			
		All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)	
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)							
Florida -----	-	12 399	2 915	358.0	4 133.1	249.6	485.2	2 335.5	9 255.1	11 898.4	20 980.6	737.3	342.9	5 786.8	
STANDARD CONSOLIDATED STATISTICAL AREAS															
Miami-Fort Lauderdale -----	E1	4 890	1 162	114.8	1 163.1	86.2	164.6	702.0	2 625.7	2 325.2	4 889.6	166.4	110.9	1 606.9	
STANDARD METROPOLITAN STATISTICAL AREAS															
Bradenton -----	-	135	26	4.1	49.4	3.0	6.4	31.8	187.3	233.9	417.7	8.1	4.6	84.2	
Daytona Beach -----	E1	254	50	6.5	69.5	4.2	8.2	35.0	164.9	120.7	284.8	10.1	5.7	75.1	
Fort Lauderdale-Hollywood -----	E1	1 480	274	29.7	350.3	20.3	40.6	192.8	828.3	541.2	1 343.6	54.1	25.0	387.1	
Fort Myers -----	E1	193	36	3.0	29.4	2.1	3.8	16.7	69.0	63.3	130.7	(D)	2.3	31.9	
Gainesville -----	-	120	29	4.1	41.3	3.0	5.7	24.6	96.7	101.1	197.6	7.8	3.8	53.4	
Jacksonville -----	-	814	243	29.9	373.9	21.7	42.9	248.7	913.6	1 938.6	2 838.0	87.0	28.4	615.5	
Lakeland-Winter Haven -----	E8	344	133	16.7	199.5	12.7	26.7	135.3	519.1	1 341.2	1 832.6	68.3	14.9	333.8	
Melbourne-Titusville-Cocoa -----	-	296	63	14.4	196.0	7.6	15.1	71.9	359.3	189.0	571.3	26.5	13.6	243.0	
Miami -----	E1	3 410	888	85.1	812.8	65.8	124.1	509.2	1 797.5	1 784.0	3 546.0	112.3	86.0	1 219.0	
Orlando -----	-	822	190	24.8	323.2	14.6	28.8	139.2	777.8	794.6	1 565.8	46.6	25.4	497.7	
Panama City -----	-	95	19	2.6	34.6	2.0	3.8	23.6	97.0	114.1	210.2	(D)	(NA)	(NA)	
Pensacola -----	-	208	47	12.7	179.0	8.7	16.8	109.2	402.0	495.3	893.0	64.8	14.0	298.2	
Sarasota -----	E1	277	51	5.2	59.8	3.6	6.8	31.9	128.5	98.1	222.1	7.7	4.6	62.2	
Tallahassee -----	E1	122	18	2.1	22.3	1.4	2.6	12.7	51.5	55.9	106.7	5.0	2.2	30.4	
Tampa-St. Petersburg -----	-	1 753	440	59.7	686.6	40.6	77.6	382.5	1 558.2	1 980.0	3 491.4	96.0	59.8	951.5	
West Palm Beach-Boca Raton -----	-	566	113	21.1	330.8	9.6	19.5	106.4	399.1	590.7	971.3	48.8	18.0	296.8	
COUNTIES															
Alachua -----	-	120	29	4.1	41.3	3.0	5.7	24.6	96.7	101.1	197.6	7.8	3.8	53.4	
Baker -----	E3	15	1	0.1	0.7	0.1	0.1	0.5	1.1	1.7	2.8	0.1	0.1	0.6	
Bay -----	-	95	19	2.6	34.6	2.0	3.8	23.6	97.0	114.1	210.2	(D)	2.6	49.5	
Bradford -----	E1	23	5	0.4	3.3	0.3	0.7	2.3	5.0	6.4	11.3	0.1	0.5	3.8	
Brevard -----	-	296	63	14.4	196.0	7.6	15.1	71.9	359.3	189.0	571.3	26.5	13.6	243.0	
Broward -----	E1	1 480	274	29.7	350.3	20.3	40.6	192.8	828.3	541.2	1 343.6	54.1	25.0	387.1	
Calhoun -----	E2	40	4	0.5	4.0	0.4	0.8	3.2	8.5	12.2	20.7	0.8	0.3	4.1	
Charlotte -----	E1	33	3	0.2	1.9	0.1	0.2	1.0	3.6	5.0	8.6	0.3	0.3	4.2	
Citrus -----	E5	29	3	0.2	1.9	0.2	0.2	1.0	3.5	3.7	7.2	0.2	0.2	1.9	
Clay -----	-	35	6	0.4	5.4	0.3	0.6	3.3	15.4	36.3	50.1	1.1	0.5	14.0	
Collier -----	E1	73	6	0.6	5.3	0.3	0.6	2.5	13.1	7.6	20.3	0.5	0.5	5.3	
Columbia -----	-	64	17	1.8	15.6	1.4	2.7	10.9	28.3	33.9	61.9	1.8	0.9	13.1	
Dade -----	E1	3 410	888	85.1	812.8	65.8	124.1	509.2	1 797.5	1 784.0	3 546.0	112.3	86.0	1 219.0	
De Soto -----	-	11	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	6.5	
Dixie -----	E2	38	4	0.5	4.9	0.5	1.0	3.9	11.0	15.6	26.2	(D)	0.6	9.6	
Duval -----	-	669	216	25.6	316.2	18.2	36.3	205.2	776.5	1 696.0	2 457.5	(D)	24.2	505.0	
Escambia -----	-	177	40	11.2	163.1	7.4	14.3	97.0	383.3	438.5	816.2	(D)	12.5	266.1	
Flagler -----	E1	15	1	0.2	1.6	0.1	0.3	1.2	4.8	5.8	10.7	0.3	(D)	(D)	
Franklin -----	E1	33	4	0.3	1.9	0.2	0.4	1.3	4.8	11.8	16.6	0.3	0.1	1.1	
Gadsden -----	-	49	10	1.0	8.9	0.8	1.6	6.1	22.7	34.0	56.2	0.7	1.2	11.1	
Gilchrist -----	-	4	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Glades -----	-	2	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Gulf -----	-	17	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.0	16.8	
Hamilton -----	-	20	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Hardee -----	E2	20	3	0.2	1.8	0.2	0.3	1.1	3.4	7.2	10.6	0.2	0.4	4.1	
Hendry -----	-	14	4	0.5	9.2	0.4	0.8	5.6	24.9	56.2	80.9	(D)	(D)	(D)	
Hernando -----	-	19	7	0.5	4.0	0.4	0.8	3.5	12.1	22.4	32.9	0.7	0.2	3.5	
Highlands -----	-	35	7	0.6	4.9	0.5	0.9	3.1	13.0	22.1	34.9	1.2	0.6	8.7	
Hillsborough -----	-	803	251	32.0	372.5	22.4	43.0	219.7	835.6	1 426.0	2 233.8	49.6	33.7	576.6	
Holmes -----	E7	37	4	0.6	4.1	0.5	0.9	3.1	7.7	6.2	13.9	0.3	0.3	1.7	
Indian River -----	-	45	9	3.3	36.7	2.6	4.9	27.1	80.2	79.5	158.6	3.9	2.3	33.8	
Jackson -----	-	48	15	1.9	15.1	1.6	2.7	11.5	29.5	34.0	61.7	3.3	1.6	18.1	
Jefferson -----	E3	16	2	0.2	1.8	0.2	0.5	1.5	4.1	4.5	8.7	0.4	0.2	1.9	
Lafayette -----	E6	6	-	(Z)	0.1	(Z)	(Z)	0.1	0.2	0.3	0.5	(Z)	(Z)	(NA)	
Lake -----	-	105	29	2.2	20.0	1.7	3.5	13.9	74.0	129.3	202.6	5.7	2.2	60.4	
Lee -----	-	193	36	3.0	29.4	2.1	3.8	16.7	69.0	63.3	130.7	(D)	2.3	31.9	
Leon -----	E2	102	15	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Levy -----	E1	33	2	0.4	4.1	0.3	0.7	3.4	11.8	14.1	26.0	1.9	0.4	8.7	
Liberty -----	E2	23	2	0.3	2.4	0.2	0.5	2.0	4.1	6.6	10.8	0.5	0.3	2.7	
Madison -----	-	37	6	0.9	7.3	0.8	1.5	5.8	24.4	91.2	114.7	0.9	0.9	16.1	
Manatee -----	-	135	26	4.1	49.4	3.0	6.4	31.8	187.3	233.9	417.7	8.1	4.6	84.2	
Marion -----	-	151	44	3.4	34.6	2.7	5.4	22.6	73.1	135.7	208.7	4.9	3.6	61.3	
Martin -----	E1	64	13	1.8	22.5	1.3	2.7	15.0	45.5	44.3	91.3	2.4	1.2	32.2	
Monroe -----	E3	54	6	0.4	3.7	0.3	0.6	2.4	7.1	9.3	16.2	0.4	0.4	4.9	
Nassau -----	-	58	12	2.6	39.5	2.1	4.1	30.6	98.9	178.7	279.3	(D)	2.4	72.9	
Okaloosa -----	-	76	15	1.8	17.2	1.4	2.7	10.8	31.2	24.4	55.3	1.7	1.3	19.5	
Okeechobee -----	-	13	1	0.1	1.6	0.1	0.2	0.8	4.5	29.5	33.9	0.3	0.2	4.3	
Orange -----	-	573	137	19.6	271.2	10.8	21.4	108.4	680.5	640.3	1 324.0	37.9	20.6	419.2	
Osceola -----	E1	51	12	0.9	8.1	0.7	1.3	5.5	14.8	16.2	31.3	1.1	1.0	13.1	
Palm Beach -----	-	566	113	21.1	330.8	9.6	19.5	106.4	399.1	590.7	971.3	48.8	18.0	296.8	
Pasco -----	-	83	11	2.5	25.1	2.0	3.8	16.9	150.7	105.1	256.0	(D)	2.3	40.5	
Pinellas -----	E1	867	178	25.2	289.0	16.2	30.8	145.9	571.9	448.9	1 001.6	(D)	23.8	334.4	
Polk -----	-	344	133	16.7	199.5	12.7	26.7	135.3	519.1	1 341.2	1 832.6	68.3	14.9	333.8	
Putnam -----	-	65	10	3.0	39.5	2.6	4.9	31.0	90.0	123.3	212.2	8.1	3.2	64.0	
St. Johns -----	E1	37	8	1.2	12.1	1.0	1.7	9.1	21.7	25.9	48.4	(D)	1.2	22.9	
St. Lucie -----	-	64	16	1.7	21.5	1.0	2.2	11.6	77.4	123.7	202.8	8.0	1.4	26.8	
Santa Rosa -----	-	31	7	1.5	15.9	1.3	2.5	12.2	18.7	56.8	76.7	(D)	1.5	32.1	
Sarasota -----	E1	277	51	5.2	59.8	3.6	6.8	31.9	128.5	98.1	222.1	7.7	4.6	62.2	
Seminole -----	E1	198	41	4.4	44.0	3.2	6.0	25.3	82.5	138.1	210.5	7.6	3.8	65.5	

See footnotes at end of table.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area		1977										1972		
		All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)						
E ¹														
COUNTIES—Con.														
Sumter	-	11	5	0.3	3.1	0.2	0.5	2.4	4.8	24.3	29.3	1.0	0.5	7.0
Suwannee	-	30	5	1.0	7.5	0.8	1.4	5.0	11.8	30.6	42.4	0.9	1.1	20.2
Taylor	-	39	15	1.9	25.6	1.5	3.4	19.2	86.9	101.2	185.0	(D)	2.0	39.3
Union	E8	12	1	0.1	0.9	0.1	0.2	0.8	2.4	2.7	5.1	0.1	0.2	1.7
Volusia	E1	254	50	6.5	69.5	4.2	8.2	35.0	164.9	120.7	284.8	10.1	5.7	75.1
Wakulla	-	20	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Walton	-	18	5	0.6	3.9	0.5	1.0	2.9	8.3	24.9	33.2	0.5	0.4	4.7
Washington	E3	24	1	0.1	1.1	0.1	0.2	0.9	2.9	4.1	7.1	0.9	0.2	-0.2
CITIES														
Auburndale	-	15	9	1.5	16.8	1.2	2.8	12.0	59.7	159.1	218.5	5.0	1.5	57.2
Bartow	-	31	18	2.4	32.7	1.9	4.0	24.8	100.3	400.2	487.1	25.1	1.4	31.2
Belle Glade	-	15	4	0.6	6.5	0.4	0.7	4.1	8.7	33.0	43.9	(D)	0.7	15.0
Boca Raton	-	70	9	2.9	62.2	0.8	1.7	9.6	79.6	102.1	175.4	(D)	(D)	(D)
Bradenton	-	62	13	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.8	54.3
Brooksville	-	17	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Cape Canaveral	-	19	7	1.7	24.7	1.3	2.4	11.7	48.3	10.3	58.5	(D)	2.2	58.0
Clearwater	E1	115	20	2.4	22.5	1.8	3.7	14.8	50.7	42.6	93.1	1.8	2.6	41.1
Clewiston	-	8	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Cocoa Beach	-	13	4	0.8	14.9	(Z)	0.1	0.4	9.6	0.7	10.2	(Z)	(D)	(D)
Cocoa	E1	43	5	0.6	6.1	0.2	0.4	2.4	14.6	8.4	22.9	0.8	0.6	8.2
Coral Gables	E2	59	14	0.8	12.3	0.6	1.1	6.3	24.0	21.1	44.0	1.3	1.4	15.2
Dade City	-	16	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Daytona Beach	E1	80	16	2.9	33.6	1.6	3.2	13.3	65.4	34.1	98.6	4.5	2.3	25.6
Deerfield Beach	E2	27	7	0.5	5.0	0.4	0.6	3.4	10.8	14.3	25.2	0.4	0.8	9.5
De Funiak Springs	-	15	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
De Land	-	40	9	1.6	16.9	1.2	2.3	10.9	54.0	25.6	80.1	2.6	1.5	23.9
Delray Beach	E5	23	1	1.3	12.9	0.1	0.2	0.9	2.6	2.5	4.8	0.3	(NA)	(NA)
Dunedin	-	20	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	5.5
Fernandina Beach	-	20	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Fort Lauderdale	-	363	64	9.9	121.9	6.6	13.9	62.8	370.6	192.8	546.7	23.1	7.3	127.0
Fort Myers	-	106	27	2.3	22.8	1.5	2.8	12.7	56.6	50.1	105.8	4.5	1.8	25.8
Fort Pierce	-	56	14	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Fort Walton Beach	-	37	6	0.7	6.4	0.5	1.1	4.2	12.4	9.3	21.2	0.5	0.5	8.4
Gainesville	E1	83	18	1.3	12.5	0.8	1.4	5.7	37.6	42.7	80.5	(D)	1.7	26.8
Graceville	-	9	3	0.5	3.2	0.5	0.9	2.8	8.6	11.6	18.8	(D)	0.6	7.8
Hallandale	E2	75	12	0.9	8.3	0.7	1.2	4.8	17.2	15.4	32.4	0.7	0.7	9.0
Hialeah	E2	892	294	23.7	206.9	19.7	36.0	141.6	440.0	454.2	886.6	21.6	23.8	322.2
Hollywood	E2	187	30	3.4	36.8	2.3	4.6	22.0	70.8	53.4	122.5	9.7	2.9	40.8
Jacksonville	-	652	216	25.5	315.7	18.1	36.3	204.9	775.3	1 695.0	2 455.2	52.6	(NA)	(NA)
Lake City	-	57	14	0.9	7.8	0.7	1.3	5.2	15.2	25.5	40.3	1.5	0.8	11.3
Lakeland	-	98	28	3.5	41.7	2.5	5.1	26.5	103.6	121.4	223.9	7.5	2.4	40.4
Lake Park	E2	47	11	0.6	6.3	0.5	1.0	4.3	12.8	15.4	28.1	1.0	0.5	5.3
Lake Wales	-	21	8	1.2	11.2	1.0	2.2	9.1	16.4	77.1	93.3	1.0	0.6	6.6
Lantana	-	12	3	0.7	13.2	0.2	0.8	4.2	42.4	24.5	66.1	(D)	(NA)	(NA)
Largo	E2	69	12	1.0	8.8	0.8	1.4	5.4	15.2	14.6	29.9	0.6	0.8	10.3
Leesburg	-	35	14	1.2	10.5	1.0	2.0	7.4	54.8	71.3	125.7	2.3	1.2	45.8
Marianna	-	22	9	1.0	9.5	0.8	1.3	6.8	17.0	13.7	30.0	1.8	0.8	8.4
Melbourne	-	71	15	4.4	70.0	1.4	2.6	13.3	129.6	64.3	189.8	14.3	0.6	7.2
Miami	E1	1 085	210	20.7	203.9	15.1	28.3	114.3	460.6	404.2	860.6	21.0	25.6	378.5
Miami Springs	-	22	8	0.6	6.1	0.4	0.8	3.8	13.4	15.0	28.2	0.4	0.5	7.3
Milton	-	15	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Mulberry	-	19	11	1.4	20.4	1.0	2.3	13.5	42.0	158.9	200.1	4.9	(NA)	(NA)
Naples	E1	51	6	0.5	4.7	0.3	0.5	2.1	12.0	6.5	18.2	0.5	0.5	4.8
North Miami Beach	E1	65	7	0.6	7.5	0.4	0.9	4.0	19.4	28.4	47.1	0.6	1.1	16.9
North Miami	E2	83	7	0.6	7.2	0.4	0.8	4.1	13.2	11.6	24.2	0.6	1.4	21.3
Oakland Park	E3	203	21	1.6	16.2	1.2	2.2	10.1	33.1	26.8	59.2	2.8	2.0	28.1
Ocala	-	116	37	3.0	30.2	2.4	4.7	19.9	63.1	121.6	184.7	4.2	3.1	53.4
Opa-Locka	E2	145	37	2.9	26.1	2.3	4.4	18.9	67.3	48.8	115.4	3.6	2.8	36.4
Orlando	-	236	61	6.8	82.6	3.8	7.5	39.7	218.7	238.5	456.2	12.3	13.2	282.9
Ormond Beach	E3	31	8	0.5	4.1	0.3	0.6	2.5	11.1	10.5	21.3	0.5	(NA)	(NA)
Palatka	-	44	9	2.9	38.3	2.5	4.7	30.2	86.8	120.9	206.7	(D)	3.0	60.1
Palm Bay	-	14	4	3.1	35.2	2.1	4.4	19.3	83.9	28.3	107.7	5.7	(D)	(D)
Panama City	-	70	18	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Pembroke Park	-	22	8	0.6	6.0	0.4	0.8	4.1	9.8	13.3	22.9	0.9	0.6	8.5
Pensacola	-	81	28	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.1	60.1
Perry	E2	36	13	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Pinellas Park	E1	49	10	1.1	12.9	0.7	1.4	6.6	26.8	19.0	44.8	1.9	1.2	12.6
Plantation	E2	28	7	0.8	14.5	0.3	0.7	3.5	13.1	11.9	26.1	0.9	1.1	20.8
Plant City	-	55	20	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Pompano Beach	E2	156	37	2.3	25.8	1.6	3.2	15.9	54.5	48.5	101.0	3.3	2.9	35.5
Port St. Joe	-	10	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.0	16.5
Quincy	-	31	8	0.7	6.3	0.5	1.0	3.9	15.6	25.4	40.5	0.4	0.8	6.9
Riviera Beach	E3	41	11	1.3	14.3	0.8	1.7	8.5	30.0	23.0	52.5	1.2	0.8	14.8
St. Augustine	E1	24	6	1.0	10.0	0.8	1.4	7.6	17.7	19.4	37.1	(D)	0.9	19.3
St. Cloud	-	13	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
St. Petersburg	-	237	45	7.4	83.2	4.4	8.1	42.2	168.9	141.9	310.5	13.7	10.6	163.8
Sanford	E3	63	18	1.2	11.1	0.9	1.6	7.1	23.4	34.4	57.6	1.5	0.8	11.3
Sarasota	E1	170	29	2.6	28.8	1.7	3.3	16.1	61.3	47.0	106.8	3.5	2.2	31.4
South Miami	-	25	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Stuart	-	30	7	1.2	16.0	0.9	1.8	10.2	29.4	15.8	46.2	1.3	0.7	24.1
Tallahassee	E1	82	10	1.2	12.3	0.8	1.4	6.8	22.9	24.7	47.5	2.5	1.5	21.0
Tamarac	-	13	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)

See footnotes at end of table.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B.]

Geographic area	E ¹	1977										1972		
		All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)						
CITIES—Con.														
Tampa -----	-	576	179	22.1	259.9	14.9	28.1	148.9	543.7	905.9	1 433.5	32.8	25.0	438.4
Tarpon Springs -----	-	32	9	0.7	8.0	0.6	1.0	5.2	21.9	20.0	42.4	1.8	0.8	11.1
Temple Terrace -----	-	8	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Titusville -----	-	42	7	1.6	19.7	1.2	2.4	12.2	18.9	42.0	93.5	0.6	0.6	13.9
Vero Beach -----	-	32	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.1	32.0
West Palm Beach -----	E1	143	29	2.9	31.6	1.6	3.0	14.2	62.6	42.3	105.4	3.6	2.6	34.4
Winter Haven -----	-	48	10	1.3	13.9	1.0	1.9	8.7	56.6	78.3	134.4	6.5	0.9	19.4

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Including central administrative offices and auxiliaries (for definition, see appendix B).

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry		1977											1972		
			E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
				Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	All industries -----	-		12 399	2 915	358.0	4 133.1	249.6	485.2	2 335.5	9 255.1	11 898.4	20 980.6	737.3	342.9	5 786.8
20	Food and kindred products -----	-		822	325	45.1	487.2	31.4	63.2	292.9	1 646.3	3 957.7	5 608.8	109.5	44.3	968.7
201	Meat products -----	-		96	36	5.2	49.5	4.2	8.6	36.3	93.7	546.1	639.3	8.0	5.0	79.2
2011	Meat packing plants -----	-		42	14	2.3	24.5	1.8	3.9	17.8	40.6	289.5	330.3	(D)	1.7	26.8
2013	Sausages and other prepared meats -----	-		42	15	1.3	13.9	1.0	2.1	9.7	31.8	177.7	209.3	1.2	1.9	30.0
2016	Poultry dressing plants -----	-		8	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2017	Poultry and egg processing --	-		4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
202	Dairy products -----	-		62	34	3.8	43.4	1.8	3.8	18.8	176.3	401.7	576.8	7.4	4.8	106.7
2024	Ice cream and frozen desserts -----	-		18	5	0.5	5.6	0.3	0.7	2.6	19.3	36.8	55.9	0.8	0.6	14.4
2026	Fluid milk -----	-		37	28	3.2	37.3	1.5	3.1	15.8	155.0	358.5	512.5	6.6	4.1	91.7
203	Preserved fruits and vegetables -----	-		104	58	11.9	116.6	10.0	20.9	86.4	575.1	1 008.8	1 583.5	36.9	12.2	267.7
2033	Canned fruits and vegetables -----	-		44	22	4.7	45.9	3.9	7.9	33.4	188.5	310.8	495.6	12.3	5.1	96.7
2037	Frozen fruits and vegetables -----	-		33	29	6.7	65.8	5.7	12.3	50.0	373.6	671.3	1 048.3	23.3	FF	(D)
2038	Frozen specialties -----	E1		10	4	0.3	2.7	0.2	0.5	2.0	5.9	17.4	23.3	1.0	0.4	7.6
204	Grain mill products -----	-		53	15	1.0	11.2	0.6	1.2	5.1	28.0	182.6	210.4	3.7	1.2	19.2
2048	Prepared feeds, n.e.c. -----	-		41	12	0.8	9.2	0.4	0.9	3.9	16.6	150.2	166.7	2.9	0.9	15.7
205	Bakery products -----	E1		136	46	6.7	81.8	3.7	7.4	37.7	165.2	126.8	291.9	7.2	6.2	105.0
2051	Bread, cake, and related products -----	E1		124	42	6.4	78.9	3.4	6.9	36.2	160.6	120.9	281.5	7.1	FF	(D)
2052	Cookies and crackers -----	E2		12	4	0.4	2.9	0.3	0.5	1.5	4.5	5.8	10.4	0.1	BB	(D)
206	Sugar and confectionery products -----	-		33	14	2.6	34.3	2.0	4.4	25.8	76.7	214.1	307.2	16.1	2.2	66.0
2061	Raw cane sugar -----	-		8	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2062	Cane sugar refining -----	-		3	3	0.4	4.5	0.2	0.4	2.8	7.6	54.5	69.0	(D)	BB	(D)
2065	Confectionery products -----	E1		21	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	6.7
207	Fats and oils -----	E1		12	10	0.5	5.6	0.3	0.6	3.0	16.8	41.2	56.9	1.1	0.3	14.3
2077	Animal and marine fats and oils -----	-		8	7	0.4	4.3	0.2	0.5	2.3	12.5	22.2	34.5	(D)	BB	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
20	Food and kindred products—Con.														
206	Beverages	-	84	43	6.1	83.2	2.9	5.7	38.5	279.4	439.1	714.5	19.1	5.7	156.5
2082	Malt beverages		3	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2086	Bottled and canned soft drinks	E1	62	36	4.5	52.2	1.8	3.5	16.2	157.2	218.4	371.7	15.5	4.1	76.8
209	Miscellaneous foods and kindred products	-	242	69	7.4	61.7	6.0	10.6	41.5	235.2	997.3	1 228.3	10.0	6.6	154.3
2092	Fresh or frozen packaged fish	E1	89	37	4.6	29.6	3.9	6.6	21.1	63.4	180.7	243.8	3.8	3.8	35.9
2095	Roasted coffee	-	18	8	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.0	81.6
2097	Manufactured ice	E1	44	8	0.5	3.5	0.4	0.7	2.2	8.6	3.4	12.0	0.9	0.5	7.0
2099	Food preparations, n.e.c.	E2	68	15	1.2	13.4	0.9	1.8	8.9	47.9	47.7	95.4	3.6	1.2	27.7
21	Tobacco products ----	-	49	11	2.7	19.3	2.4	4.1	14.7	32.0	43.3	75.2	0.8	4.4	52.6
2121	Cigars	-	43	10	2.6	18.9	2.3	4.0	14.4	31.2	41.7	72.7	0.8	4.1	49.6
22	Textile mill products --	E1	119	34	4.7	36.7	4.1	7.8	26.7	65.5	67.3	133.0	3.7	3.7	56.7
2241	Narrow fabric mills	-	6	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	2.6
225	Knitting mills	E1	50	24	3.7	29.2	3.3	6.2	20.7	51.2	47.4	99.3	3.2	3.0	45.4
2251	Women's hosiery, except socks	-	4	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.8	7.6
2253	Knit outerwear mills	-	24	13	2.5	17.8	2.2	3.8	12.2	32.6	17.8	50.6	(D)	EE	(D)
2257	Circular knit fabric mills	E1	12	8	0.6	6.6	0.5	1.2	4.8	12.8	22.2	34.6	2.8	CC	(D)
226	Textile finishing, except wool --	E2	11	3	0.2	2.0	0.2	0.4	1.4	2.2	3.3	5.3	0.1	0.2	2.5
2262	Finishing plants, synthetics --	E1	6	3	0.2	1.8	0.1	0.3	1.3	1.9	2.9	4.6	(D)	(NA)	(NA)
229	Miscellaneous textile goods ---	E5	31	3	0.2	1.8	0.2	0.4	1.2	2.7	4.6	7.3	0.2	0.2	4.0
23	Apparel and other textile products -----	E2	1 279	393	32.0	211.6	28.1	48.2	161.2	397.6	328.6	721.3	9.0	28.4	232.4
2311	Men's and boys' suits and coats	-	14	8	1.0	7.0	0.9	1.3	6.3	13.2	14.5	27.6	(D)	CC	(D)
232	Men's and boys' furnishings ---	E1	98	54	5.1	32.4	4.5	7.7	25.9	57.0	55.4	111.9	(D)	3.3	29.3
2321	Men's and boys' shirts and nightwear	E1	39	23	2.1	13.0	1.9	3.4	10.0	26.1	29.3	55.2	0.4	1.3	13.2
2327	Men's and boys' separate trousers	-	13	8	1.0	6.2	0.8	1.4	4.7	9.7	9.3	19.0	(D)	CC	(D)
2328	Men's and boys' work clothing	E2	11	7	0.9	6.7	0.8	1.3	5.7	9.3	6.1	15.2	0.3	BB	(D)
2329	Men's and boys' clothing, n.e.c.	E4	27	13	0.8	4.8	0.7	1.2	4.0	7.9	5.5	13.3	0.2	0.6	4.3
233	Women's and misses' outerwear	E3	733	234	17.4	113.5	15.3	26.1	86.2	212.4	169.4	377.1	(D)	15.5	125.8
2331	Women's and misses' blouses and waists	E1	66	34	2.8	19.6	2.5	4.3	14.8	34.8	39.0	72.7	1.0	1.3	11.3
2335	Women's and misses' dresses	E4	520	129	8.7	54.9	7.7	13.2	42.6	101.2	64.6	164.6	2.7	9.6	77.4
2337	Women's and misses' suits and coats	-	47	26	2.5	16.5	2.3	3.6	13.0	30.6	15.9	46.3	(D)	1.8	12.9
2339	Women's and misses' outerwear, n.e.c.	E2	100	45	3.3	22.4	2.9	5.0	15.8	45.8	50.0	93.5	0.8	2.7	24.2
234	Women's and children's undergarments	E1	18	13	2.0	11.1	1.9	3.2	9.8	17.1	5.7	22.5	(D)	1.8	14.6
2341	Women's and children's underwear	E2	14	11	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.4	10.2
2342	Brassieres and allied garments	-	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	4.5
235	Hats, caps, and millinery	E1	9	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	3.7
2352	Hats and caps, except millinery	E3	5	4	0.2	1.2	0.1	0.3	0.8	2.1	1.5	3.5	(Z)	BB	(D)
236	Children's outerwear	E1	38	25	1.8	12.2	1.5	2.9	9.1	22.5	20.6	43.4	(D)	3.1	25.7
2361	Children's dresses and blouses	E3	22	14	0.8	4.7	0.7	1.2	3.8	9.0	7.7	17.2	0.1	EE	(D)
2369	Children's outerwear, n.e.c. ---	-	16	11	1.0	7.5	0.8	1.7	5.3	13.5	12.8	26.3	(D)	1.7	13.3
238	Miscellaneous apparel and accessories	-	27	12	1.0	6.9	0.8	1.3	4.3	13.7	16.4	30.9	(D)	0.4	3.9
2384	Robes and dressing gowns --	-	5	4	0.5	3.7	0.4	0.7	2.2	7.9	11.8	20.4	(D)	(NA)	(NA)
2387	Apparel belts	E1	6	3	0.2	1.4	0.2	0.3	1.0	2.0	1.0	2.9	(Z)	0.2	2.1
239	Miscellaneous fabricated textile products	E2	340	41	3.4	25.9	2.8	4.8	17.6	56.5	44.4	100.5	(D)	3.1	23.0
2391	Curtains and draperies	E3	133	8	0.8	5.6	0.7	1.2	3.9	11.4	12.5	23.8	0.1	EE	(D)
2392	House furnishings, n.e.c.	E3	34	11	0.5	3.3	0.4	0.7	2.2	7.2	7.4	14.6	0.2	0.4	2.4
2394	Canvas and related products	E1	79	10	1.0	8.8	0.7	1.3	5.3	23.1	13.9	36.9	0.2	0.7	5.6
2395	Pleating and stitching	E1	21	6	0.4	2.9	0.4	0.7	2.1	4.5	3.0	7.3	0.1	BB	(D)
2396	Automotive and apparel trimmings	E8	30	1	0.2	1.6	0.1	0.3	1.3	2.7	2.6	5.3	0.1	AA	(D)
2399	Fabricated textile products, n.e.c.	E2	36	4	0.5	2.7	0.3	0.5	2.1	5.4	4.3	9.7	0.2	AA	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]															
SIC code	Industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
24	Lumber and wood products -----	E1	1 315	209	16.5	153.6	14.1	26.7	112.8	316.1	480.3	790.3	33.9	20.2	264.1
2411	Logging camps and logging contractors -----	E4	547	13	1.9	18.8	1.7	2.9	15.8	42.4	59.9	101.2	12.4	2.5	28.7
242	Sawmills and planing mills ----	E1	101	30	2.4	19.5	2.1	4.6	16.4	52.7	68.2	118.9	6.0	2.5	36.6
2421	Sawmills and planing mills, general -----	E1	89	28	2.2	18.3	1.9	4.2	15.3	48.2	66.5	113.1	(D)	EE	(D)
2426	Hardwood dimension and flooring -----	-	11	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.3	3.1
243	Millwork, plywood, and structural members -----	E1	468	94	6.4	58.2	5.4	9.8	42.0	111.7	149.8	259.8	10.6	7.6	91.7
2431	Millwork -----	E3	123	22	1.7	14.9	1.4	2.6	10.9	25.8	40.7	65.5	2.4	2.2	25.3
2434	Wood kitchen cabinets -----	E2	264	41	2.9	25.8	2.4	4.2	18.6	46.9	32.2	78.5	4.9	FF	(D)
2435	Hardwood veneer and plywood -----	-	7	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	8.6
2436	Softwood veneer and plywood -----	-	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2439	Structural wood members, n.e.c. -----	E1	71	24	1.3	11.1	1.0	1.9	7.5	21.6	32.8	54.1	1.2	1.3	16.2
244	Wood containers -----	-	40	14	1.2	7.4	1.1	2.1	5.7	12.7	17.8	30.8	0.3	1.5	11.6
2441	Nailed wood boxes and shook -----	-	9	4	0.3	1.8	0.2	0.4	1.3	3.6	1.9	5.5	0.1	BB	(D)
2448	Wood pallets and skids -----	E1	13	3	0.2	1.4	0.2	0.3	1.1	1.9	4.1	6.0	0.2	(NA)	(NA)
2449	Wood containers, n.e.c. -----	-	18	7	0.7	4.3	0.7	1.3	3.4	7.2	11.8	19.3	0.1	1.0	7.3
245	Wood buildings and mobile homes -----	E1	55	40	3.5	38.9	2.8	5.5	25.7	73.5	143.7	216.7	3.3	4.8	76.8
2451	Mobile homes -----	E1	43	33	2.9	32.6	2.4	4.7	22.0	58.1	123.6	181.2	2.7	4.4	70.4
2452	Prefabricated wood buildings -----	E2	12	7	0.6	6.3	0.4	0.7	3.7	15.4	20.1	35.5	0.6	0.4	6.4
249	Miscellaneous wood products --	-	104	18	1.2	10.7	1.0	1.9	7.2	23.0	41.0	63.0	1.2	1.3	18.7
2491	Wood preserving -----	-	21	7	0.5	5.0	0.4	0.8	3.2	10.6	28.8	38.4	0.4	0.6	9.6
2499	Wood products, n.e.c. -----	E2	83	11	0.7	5.7	0.6	1.1	4.0	12.5	12.1	24.5	0.8	0.7	9.1
25	Furniture and fixtures -	E1	546	122	9.3	82.9	7.5	14.3	57.4	171.9	157.2	325.9	7.6	10.2	121.6
251	Household furniture -----	E2	364	79	5.8	48.9	4.9	9.4	34.8	102.9	102.3	202.2	5.4	6.7	73.8
2511	Wood household furniture ---	E3	189	22	2.2	17.2	1.9	3.8	13.3	34.3	30.3	63.8	2.2	2.4	24.7
2512	Upholstered household furniture -----	E1	42	14	0.9	7.1	0.8	1.5	5.3	11.7	12.2	23.9	0.3	1.5	14.5
2514	Metal household furniture ---	E1	36	15	0.9	7.5	0.8	1.4	5.4	17.2	16.2	32.1	1.0	1.0	11.4
2515	Mattresses and bedsprings ---	-	63	23	1.4	13.1	1.0	2.0	8.2	30.7	36.3	66.6	0.7	1.2	17.6
2519	Household furniture, n.e.c. ---	E2	32	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
252	Office furniture -----	E2	28	5	0.4	3.4	0.3	0.6	2.3	7.3	4.2	11.4	0.8	0.5	7.3
2521	Wood office furniture -----	E4	25	3	0.2	2.1	0.2	0.3	1.5	3.3	2.0	5.2	0.7	BB	(D)
2522	Metal office furniture -----	-	3	2	0.2	1.3	0.1	0.2	0.8	4.0	2.3	6.2	0.1	AA	(D)
2531	Public building and related furniture -----	E4	14	6	0.2	2.1	0.2	0.3	1.3	3.5	3.6	7.1	0.1	0.2	2.7
254	Partitions and fixtures -----	E2	79	22	1.3	13.2	1.0	1.9	8.7	22.4	16.1	38.1	0.6	1.5	19.0
2541	Wood partitions and fixtures -	E2	63	15	1.0	10.3	0.8	1.5	6.9	16.4	10.8	26.9	0.4	1.3	16.5
2542	Metal partitions and fixtures -	E2	16	7	0.3	2.9	0.2	0.4	1.8	6.0	5.4	11.2	0.1	0.2	2.5
259	Miscellaneous furniture and fixtures -----	-	61	10	1.5	15.4	1.1	2.1	10.3	35.8	30.9	67.0	0.7	1.2	18.9
2591	Drapery hardware and blinds and shades -----	E1	29	4	0.2	2.1	0.2	0.4	1.5	4.2	6.2	10.2	0.2	AA	(D)
2599	Furniture and fixtures, n.e.c. -	-	32	6	1.3	13.3	0.9	1.7	8.8	31.6	24.8	56.8	0.5	EE	(D)
26	Paper and allied products -----	-	156	72	15.3	227.5	12.3	24.6	170.8	541.0	861.5	1 399.1	79.2	15.8	351.7
2611	Pulp mills -----	-	3	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2621	Paper mills, except building paper -----	-	3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2631	Paperboard mills -----	-	6	6	3.0	53.2	2.4	5.1	42.5	102.8	204.6	306.4	23.4	3.7	104.9
264	Miscellaneous converted paper products -----	-	77	24	3.6	44.7	3.1	5.9	34.3	108.3	183.6	293.4	4.9	4.2	88.5
2641	Paper coating and glazing ---	-	10	2	0.2	1.9	0.1	0.3	1.4	5.2	9.3	14.6	0.3	0.2	2.5
2642	Envelopes -----	-	8	7	0.4	4.6	0.3	0.7	2.8	9.5	9.9	19.1	0.7	BB	(D)
2643	Bags, except textile bags ---	-	15	9	1.6	21.0	1.3	2.7	16.0	51.1	97.3	148.9	2.2	1.9	38.8
2647	Sanitary paper products -----	-	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2648	Stationery products -----	-	7	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	4.8
2649	Converted paper products, n.e.c. -----	E3	28	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
265	Paperboard containers and boxes -----	-	65	37	3.9	47.8	3.0	6.1	32.2	103.6	196.5	298.7	10.2	4.4	70.8
2651	Folding paperboard boxes ---	E2	9	4	0.3	3.2	0.3	0.6	2.3	6.2	6.3	12.6	0.2	0.7	8.4
2652	Setup paperboard boxes ---	-	5	4	0.2	1.5	0.2	0.3	1.0	2.4	1.2	3.8	0.1	0.3	2.8
2653	Corrugated and solid fiber boxes -----	-	35	19	2.2	28.3	1.5	3.2	18.0	57.1	109.5	166.7	6.7	2.5	36.6
2654	Sanitary food containers -----	-	4	3	0.3	3.9	0.3	0.5	2.0	9.8	20.4	29.9	0.3	0.4	9.7
2655	Fiber cans, drums, and similar products -----	-	12	7	0.9	10.9	0.8	1.6	8.8	28.0	59.0	85.8	2.8	0.5	13.4

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
27	Printing and publishing -----	E1	1 967	246	29.8	340.6	15.8	29.2	159.8	789.0	376.9	1 164.3	47.4	26.6	466.4
2711	Newspapers -----	-	261	65	15.8	179.3	5.5	10.3	58.6	473.4	183.3	656.5	24.1	14.0	267.1
2721	Periodicals -----	E2	130	7	0.7	7.6	0.2	0.3	1.5	22.4	12.1	34.5	0.3	0.4	18.4
273	Books -----	E2	88	18	1.1	13.2	0.7	1.3	6.3	34.1	15.8	49.2	1.1	0.9	13.4
2731	Book publishing -----	E2	60	6	0.5	5.8	0.1	0.2	1.1	20.2	7.3	26.8	0.3	(NA)	(NA)
2732	Book printing -----	E3	28	12	0.7	7.4	0.5	1.0	5.2	13.9	8.5	22.5	0.8	0.8	10.4
2741	Miscellaneous publishing -----	E1	97	10	1.1	12.5	0.6	1.1	5.7	23.2	10.0	33.4	0.8	0.8	14.3
275	Commercial printing -----	E2	1 196	100	8.2	94.6	6.5	11.6	64.7	170.0	122.7	292.0	16.2	8.2	117.9
2751	Commercial printing, letterpress -----	E4	669	26	2.7	27.4	2.2	3.7	18.8	52.3	35.0	87.1	3.3	3.6	48.2
2752	Commercial printing, lithographic -----	E1	498	69	5.2	63.0	4.0	7.4	42.9	110.1	81.1	190.7	12.5	4.3	66.3
2753	Engraving and plate printing -----	E1	16	3	0.2	1.6	0.1	0.2	1.1	2.7	1.1	3.8	(D)	BB	(D)
2754	Commercial printing, gravure -----	E2	13	2	0.2	2.6	0.2	0.3	2.0	4.9	5.5	10.4	(D)	(NA)	(NA)
2761	Manifold business forms -----	-	24	14	0.7	9.1	0.5	1.0	5.9	18.3	19.0	37.2	1.2	0.8	13.1
278	Blankbooks and bookbinding --	-	48	15	1.1	10.6	1.0	2.2	7.6	23.0	6.9	29.9	0.8	CC	(D)
2782	Blankbooks and looseleaf binders -----	-	20	12	0.8	8.2	0.7	1.7	5.8	18.8	6.1	24.9	0.7	0.4	4.8
2789	Bookbinding and related work -----	E3	28	3	0.3	2.4	0.2	0.4	1.8	4.1	0.8	4.9	0.1	BB	(D)
279	Printing trade services -----	E2	115	17	1.0	13.3	0.8	1.5	9.3	23.6	6.5	30.0	2.9	0.8	13.5
2791	Typesetting -----	E4	76	6	0.5	5.2	0.4	0.6	3.8	9.1	1.8	10.8	0.8	0.4	6.5
2793	Photoengraving -----	E4	20	2	0.2	2.0	0.1	0.2	1.2	3.6	0.9	4.5	0.2	0.2	5.2
2795	Lithographic platemaking services -----	-	19	9	0.4	6.1	0.3	0.7	4.3	11.0	3.8	14.7	1.9	(NA)	(NA)
28	Chemicals and allied products -----	-	464	138	21.5	302.9	14.7	31.2	185.4	883.3	1 799.6	2 646.3	142.5	19.2	516.3
281	Industrial inorganic chemicals --	-	34	13	0.8	12.9	0.6	1.2	7.6	28.7	90.8	117.2	11.9	0.5	17.3
2819	Industrial inorganic chemicals, n.e.c. -----	-	15	10	0.7	10.8	0.5	0.9	6.3	24.6	80.5	102.9	(D)	BB	(D)
282	Plastics materials and synthetics -----	-	17	10	5.2	78.1	3.8	7.4	52.9	181.9	304.9	487.9	51.1	5.8	159.1
2821	Plastics materials and resins --	-	9	8	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2824	Organic fibers, noncellulosic --	-	3	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
283	Drugs -----	-	34	10	1.5	19.6	1.1	2.3	9.2	55.1	27.6	81.3	2.7	1.1	34.5
2831	Biological products -----	-	13	6	1.0	13.4	0.7	1.6	6.7	39.2	16.9	54.5	1.3	CC	(D)
2834	Pharmaceutical preparations --	E1	20	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
284	Soaps, cleaners, and toilet goods -----	E2	112	19	1.7	18.7	0.9	1.7	7.4	68.3	71.9	140.3	3.5	1.1	36.3
2841	Soap and other detergents --	E2	19	5	0.4	4.1	0.1	0.3	1.5	12.3	17.5	30.0	1.6	AA	(D)
2842	Polishes and sanitation goods -----	E1	47	6	0.5	4.6	0.3	0.6	2.6	19.7	30.6	50.1	(D)	0.3	10.7
2844	Toilet preparations -----	E3	40	5	0.8	8.4	0.4	0.7	2.8	29.1	13.1	42.5	1.0	0.5	17.0
2851	Paints and allied products -----	E1	78	15	1.1	13.4	0.6	1.2	5.6	34.6	51.6	85.4	1.7	1.4	29.7
286	Industrial organic chemicals ---	-	17	9	2.0	31.0	1.3	3.1	19.3	104.5	122.9	221.3	22.3	2.1	53.9
2861	Gum and wood chemicals ---	-	9	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2869	Industrial organic chemicals, n.e.c. -----	-	6	4	1.1	18.9	0.7	1.8	11.6	76.6	76.0	148.0	20.0	CC	(D)
287	Agricultural chemicals -----	-	103	52	8.2	117.1	5.9	13.1	77.0	373.3	1 083.0	1 430.4	45.3	6.6	170.7
2873	Nitrogenous fertilizers -----	-	9	4	0.3	3.5	0.2	0.4	1.9	19.7	25.4	45.4	3.8	(NA)	(NA)
2874	Phosphatic fertilizers -----	-	19	18	6.3	94.9	4.8	10.7	66.6	304.2	878.5	1 156.0	38.6	4.7	130.8
2875	Fertilizers, mixing only -----	-	50	25	1.2	14.7	0.7	1.6	6.8	26.6	133.8	161.9	2.2	1.4	22.1
2879	Agricultural chemicals, n.e.c. --	-	25	5	0.4	4.0	0.2	0.4	1.7	22.9	45.2	67.1	0.7	BB	(D)
289	Miscellaneous chemical products -----	E1	69	10	1.0	12.1	0.6	1.3	6.4	36.8	47.0	82.5	4.1	0.7	14.8
2892	Explosives -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2899	Chemical preparations, n.e.c. -----	E2	45	5	0.4	4.4	0.2	0.5	2.2	12.1	26.8	38.2	(D)	0.2	4.3
29	Petroleum and coal products -----	-	59	13	0.8	9.7	0.5	1.1	5.5	28.8	77.2	105.5	2.7	0.8	26.5
295	Paving and roofing materials ---	-	46	12	0.6	8.0	0.4	0.9	4.8	22.3	58.7	80.5	2.0	0.7	20.6
2951	Paving mixtures and blocks ---	-	31	8	0.4	4.8	0.2	0.5	2.8	9.9	32.7	42.7	1.4	0.3	7.1
2952	Asphalt felts and coatings ---	-	15	4	0.3	3.3	0.2	0.4	2.0	12.4	26.0	37.8	0.6	0.3	13.6
30	Rubber and miscellaneous plastics products -----	E1	414	107	10.8	97.4	8.9	17.7	67.2	208.6	228.8	429.4	24.6	8.9	122.7
3021	Rubber and plastics footwear --	-	4	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3069	Fabricated rubber products, n.e.c. -----	E1	24	6	0.8	7.7	0.6	1.3	5.6	18.0	10.9	28.6	0.8	BB	(D)
3079	Miscellaneous plastics products -----	E1	378	97	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	6.3	99.2

See footnotes at end of table.

**Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.**

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
31	Leather and leather products -----	E1	80	26	3.9	27.2	3.6	6.8	20.9	46.5	38.0	82.7	1.7	3.5	26.8
314	Footwear, except rubber -----	-	25	9	1.8	12.6	1.6	3.1	9.3	18.5	15.2	33.3	(D)	1.9	13.9
3144	Women's footwear, except athletic -----	E1	12	3	0.3	3.4	0.3	0.7	2.2	3.8	3.5	7.4	(Z)	1.0	7.5
3149	Footwear, except rubber, n.e.c. -----	-	7	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3161	Luggage -----	-	11	5	0.6	4.1	0.6	1.0	3.4	7.8	7.8	15.5	(D)	0.2	1.7
317	Handbags and other personal leather goods -----	E2	25	10	1.4	9.4	1.3	2.5	7.4	17.0	10.6	26.4	(D)	1.2	9.4
3171	Women's handbags and purses -----	E3	23	9	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
32	Stone, clay, and glass products -----	-	700	188	13.9	165.5	10.3	20.8	110.2	414.0	454.6	860.6	39.7	18.5	375.3
322	Glass and glassware, pressed or blown -----	-	15	4	1.8	25.8	1.7	3.3	21.9	55.8	44.7	98.5	9.8	1.7	33.6
3221	Glass containers -----	-	4	4	1.8	25.4	1.6	3.2	21.6	54.8	44.2	97.0	9.7	1.7	33.4
3231	Products of purchased glass ---	-	34	6	0.3	3.7	0.3	0.5	2.4	8.4	7.0	15.4	0.5	CC	(D)
3241	Cement, hydraulic -----	-	8	4	0.5	9.9	0.5	0.9	7.8	42.8	42.8	84.8	2.5	CC	(D)
325	Structural clay products -----	-	15	6	0.7	6.8	0.5	1.1	4.4	13.8	10.1	23.6	(D)	1.1	15.6
3253	Ceramic wall and floor tile ---	-	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
327	Concrete, gypsum, and plaster products -----	E1	505	156	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	12.9	242.0
3271	Concrete block and brick ---	E2	40	8	0.4	4.9	0.3	0.6	2.3	12.1	13.5	25.5	1.1	1.1	20.8
3272	Concrete products, n.e.c. ---	E1	261	63	4.3	44.9	3.4	6.7	30.6	90.4	74.7	163.8	9.1	4.8	67.1
3273	Ready-mixed concrete -----	-	199	81	3.8	45.4	2.1	4.5	22.4	124.7	202.6	324.0	11.2	6.4	133.5
3275	Gypsum products -----	-	4	3	0.4	5.6	0.3	0.7	4.5	18.8	21.5	40.3	1.2	CC	(D)
3281	Cut stone and stone products -	E3	32	1	0.2	1.4	0.1	0.3	1.1	2.6	1.9	4.3	0.2	(NA)	(NA)
329	Miscellaneous nonmetallic mineral products -----	-	56	11	1.3	15.9	1.1	2.0	11.8	42.7	33.0	75.8	2.6	1.3	32.6
3295	Minerals, ground or treated --	-	10	4	0.2	3.0	0.2	0.4	2.1	7.5	11.2	18.8	0.3	(NA)	(NA)
3296	Mineral wool -----	-	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3299	Nonmetallic mineral products, n.e.c. -----	E2	34	3	0.2	2.2	0.2	0.3	1.3	4.8	4.7	9.4	0.7	0.2	2.9
33	Primary metal industries -----	-	110	49	4.8	55.0	3.9	8.1	39.0	130.1	244.3	371.8	9.0	4.0	74.6
331	Blast furnace and basic steel products -----	-	26	16	1.7	20.1	1.3	2.7	14.5	52.8	124.4	177.6	5.4	EE	(D)
3312	Blast furnaces and steel mills -----	-	8	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3315	Steel wire and related products -----	-	11	11	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
332	Iron and steel foundries -----	E1	9	6	0.9	10.2	0.7	1.6	7.0	17.0	12.1	28.5	0.6	0.9	9.4
3324	Steel investment foundries --	-	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3325	Steel foundries, n.e.c. -----	-	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3341	Secondary nonferrous metals --	-	11	4	0.3	3.4	0.2	0.4	2.3	17.5	37.1	54.5	0.4	AA	(D)
335	Nonferrous rolling and drawing -	-	17	6	0.9	10.2	0.7	1.4	7.0	21.1	56.4	76.2	0.7	CC	(D)
3354	Aluminum extruded products -	E1	7	3	0.3	2.9	0.2	0.5	2.1	8.0	15.7	23.0	0.3	CC	(D)
3355	Aluminum rolling and drawing, n.e.c. -----	-	3	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3357	Nonferrous wire drawing and insulating -----	-	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
336	Nonferrous foundries -----	E1	32	11	0.7	6.1	0.6	1.1	4.5	12.0	9.6	21.2	1.0	0.5	5.9
3361	Aluminum foundries -----	E1	20	7	0.3	2.8	0.2	0.5	2.1	5.1	3.0	8.1	(D)	0.3	4.2
3369	Nonferrous foundries, n.e.c. -	-	6	4	0.3	2.7	0.3	0.5	1.9	5.6	4.7	10.0	(D)	(NA)	(NA)
339	Miscellaneous primary metal products -----	E1	14	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	3.4
3399	Primary metal products, n.e.c. -----	-	9	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
34	Fabricated metal products -----	-	976	268	24.3	279.9	18.3	36.3	184.5	674.8	776.5	1 423.2	31.1	25.7	425.4
341	Metal cans and shipping containers -----	-	19	14	2.3	43.2	2.0	4.4	36.4	119.7	222.8	339.3	4.3	2.8	76.1
3411	Metal cans -----	-	16	12	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.5	73.9
342	Cutlery, hand tools, and hardware -----	-	46	9	1.7	18.0	1.3	2.5	14.0	43.8	32.4	76.1	2.3	1.3	21.4
3421	Cutlery -----	-	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	1.1
3429	Hardware, n.e.c. -----	-	34	7	1.5	15.3	1.1	2.1	12.1	36.4	28.4	64.6	2.0	1.1	19.7
344	Fabricated structural metal products -----	-	506	154	13.5	150.7	9.6	18.9	88.2	365.2	394.7	735.6	16.5	15.8	249.0
3441	Fabricated structural metal --	-	84	34	2.2	28.2	1.6	3.2	16.1	46.2	71.4	119.6	1.9	2.3	30.7
3442	Metal doors, sash, and trim --	E1	103	43	3.9	35.8	3.0	5.9	22.7	73.3	96.3	169.5	3.7	5.7	72.6
3443	Fabricated plate work (boiler shops) -----	-	41	18	2.9	40.5	1.8	3.7	21.9	148.5	65.8	190.2	7.9	1.9	58.0
3444	Sheet metal work -----	E1	142	32	1.9	21.1	1.3	2.4	12.7	42.5	59.8	100.5	1.7	3.4	51.6
3446	Architectural metal work ----	E1	73	5	1.2	10.1	1.0	2.0	7.2	22.0	8.9	31.0	0.5	0.8	9.3
3448	Prefabricated metal buildings -----	E2	26	6	0.5	4.0	0.3	0.6	2.1	10.9	19.2	29.3	0.3	0.3	3.3
3449	Miscellaneous metal work ---	-	37	16	0.9	11.1	0.6	1.1	5.5	21.9	73.3	95.6	0.3	1.4	23.4

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
34	Fabricated metal products—Con.														
345	Screw machine products, bolts, etc. -----	E1	40	12	0.6	7.4	0.5	1.0	4.8	16.2	10.5	26.4	0.5	0.9	6.3
3451	Screw machine products ----	-	26	9	0.4	4.4	0.3	0.6	3.0	8.3	4.4	12.6	0.3	0.3	4.7
3452	Bolts, nuts, rivets, and washers -----	E1	14	3	0.3	3.0	0.2	0.4	1.9	7.8	6.1	13.8	0.2	0.6	1.7
346	Metal forgings and stampings --	E1	50	13	1.5	12.0	1.3	2.5	8.5	32.9	31.5	63.4	1.6	0.9	19.0
3465	Automotive stampings ----	-	4	4	0.9	4.5	0.7	1.3	3.0	17.3	19.8	36.4	(D)	BB	(D)
3469	Metal stampings, n.e.c. ----	E2	43	9	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
347	Metal services, n.e.c. -----	E1	114	21	1.4	14.4	1.2	2.2	10.4	26.2	18.0	44.0	1.0	1.0	13.4
3471	Plating and polishing -----	E1	82	16	1.1	10.0	0.9	1.6	7.0	17.6	8.7	26.4	0.8	0.8	9.5
3479	Metal coating and allied services -----	E1	32	5	0.4	4.4	0.3	0.6	3.4	8.6	9.2	17.6	0.2	0.3	3.9
348	Ordnance and accessories, n.e.c. -----	-	13	5	0.4	4.3	0.3	0.6	2.5	7.8	8.0	16.2	0.1	0.6	8.6
3489	Ordnance and accessories, n.e.c. -----	-	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
349	Miscellaneous fabricated metal products -----	E2	147	38	2.6	28.5	2.1	3.9	18.8	59.8	55.9	116.0	4.6	2.0	26.8
3494	Valves and pipe fittings ----	E1	13	4	0.3	3.5	0.2	0.4	2.1	7.9	5.4	12.7	0.6	0.3	3.3
3496	Miscellaneous fabricated wire products -----	E2	25	5	0.3	2.6	0.2	0.4	1.7	5.2	7.1	13.1	1.1	0.3	4.3
3498	Fabricated pipe and fittings --	E3	9	5	0.3	3.5	0.2	0.4	2.6	7.7	11.4	20.0	0.7	(NA)	(NA)
3499	Fabricated metal products, n.e.c. -----	E2	97	22	1.6	17.7	1.3	2.5	11.4	36.9	30.0	66.1	2.0	1.2	14.8
35	Machinery, except electrical -----	E1	1 049	188	20.9	297.9	12.8	25.6	140.1	552.7	412.1	948.0	43.1	17.0	287.6
351	Engines and turbines -----	E1	9	2	0.4	3.5	0.3	0.5	2.5	5.9	8.3	14.7	0.3	0.3	4.4
3519	Internal combustion engines, n.e.c. -----	E1	8	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
352	Farm and garden machinery ---	E2	47	7	0.7	9.0	0.5	1.0	5.5	23.5	28.6	51.7	1.1	0.6	10.6
3523	Farm machinery and equipment -----	E2	40	6	0.6	8.2	0.4	0.9	5.1	21.9	25.7	47.2	1.0	0.5	9.4
353	Construction and related machinery -----	E1	82	25	1.7	21.3	1.1	2.1	11.4	50.2	42.6	92.5	3.5	1.5	20.2
3531	Construction machinery ----	E2	20	2	0.2	2.9	0.2	0.3	1.5	6.4	3.9	10.0	0.7	0.4	5.0
3532	Mining machinery -----	E1	9	4	0.2	2.2	0.1	0.3	1.6	4.9	4.4	9.1	0.5	(NA)	(NA)
3533	Oil field machinery -----	-	5	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3534	Elevators and moving stairways -----	E1	11	5	0.4	5.3	0.2	0.4	2.5	9.5	6.8	16.0	0.4	0.3	6.3
3535	Conveyors and conveying equipment -----	E1	17	9	0.5	6.2	0.3	0.7	3.5	11.5	9.6	21.6	0.4	0.3	3.4
354	Metalworking machinery -----	E2	177	32	2.2	26.7	1.8	3.6	19.3	51.1	24.1	74.2	3.4	1.7	25.1
3544	Special dies, tools, jigs, and fixtures -----	E2	126	20	1.1	15.8	1.0	2.0	12.0	28.6	9.4	37.6	2.2	0.9	15.4
3545	Machine tool accessories ---	-	21	3	0.2	3.2	0.2	0.4	2.0	7.6	4.9	12.2	0.4	0.2	1.9
3549	Metalworking machinery, n.e.c. -----	-	6	3	0.4	4.0	0.4	0.8	2.8	7.6	4.0	11.5	(D)	BB	(D)
355	Special industry machinery ----	-	91	22	2.6	36.3	1.5	3.1	17.2	70.8	57.1	126.9	9.6	2.6	40.8
3551	Food products machinery ---	-	27	9	1.0	15.2	0.6	1.3	7.8	31.1	20.0	49.3	2.2	EE	(D)
3555	Printing trades machinery ---	-	14	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	8.5
3559	Special industry machinery, n.e.c. -----	-	36	6	0.8	9.8	0.5	1.0	5.4	16.5	21.8	37.5	(D)	0.8	9.4
356	General industrial machinery ---	E2	99	24	2.2	27.3	1.5	2.9	15.1	48.3	37.3	84.0	3.7	1.5	26.2
3561	Pumps and pumping equipment -----	E4	20	6	0.5	6.4	0.3	0.7	4.1	12.8	7.1	19.3	0.9	0.3	5.7
3564	Blowers and fans -----	E2	16	4	0.5	4.6	0.3	0.7	2.6	4.3	10.2	14.4	0.3	BB	(D)
3569	General industrial machinery, n.e.c. -----	E1	40	10	1.1	14.1	0.6	1.2	6.9	27.1	16.2	42.8	1.9	CC	(D)
357	Office and computing machines -----	-	40	18	6.8	122.5	2.8	5.9	34.7	203.6	154.4	346.7	14.7	4.9	100.2
3573	Electronic computing equipment -----	-	35	17	6.7	121.6	2.8	5.8	34.2	200.5	151.1	340.2	14.1	FF	(D)
358	Refrigeration and service machinery -----	-	75	22	1.4	16.6	1.0	2.1	9.7	37.7	33.4	70.1	2.3	1.2	21.2
3585	Refrigeration and heating equipment -----	-	38	10	0.7	7.3	0.5	0.9	4.2	18.4	19.8	37.9	1.4	0.5	9.4
3589	Service industry machinery, n.e.c. -----	E1	30	9	0.6	7.8	0.5	0.9	4.6	16.3	11.1	26.5	0.9	0.6	9.9
359	Miscellaneous machinery, except electrical -----	E4	429	36	2.9	34.6	2.3	4.4	24.6	61.7	26.3	87.3	4.5	2.6	39.0
3599	Machinery, except electrical, n.e.c. -----	E4	428	35	2.8	34.3	2.3	4.4	24.5	60.7	25.9	85.9	4.4	FF	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
36	Electric and electronic equipment -	-	506	159	41.9	527.3	26.9	52.8	250.2	1 205.8	588.8	1 830.5	83.3	33.5	580.9
361	Electric distributing equipment -	-	18	7	1.0	9.4	0.8	1.5	6.1	19.7	22.0	44.0	1.1	CC	(D)
3612	Transformers -	-	5	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3613	Switchgear and switchboard apparatus -	-	13	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
362	Electrical industrial apparatus -	E1	22	6	0.7	8.4	0.5	0.9	4.0	26.8	11.1	35.6	1.0	BB	(D)
3621	Motors and generators -	E2	7	3	0.2	1.9	0.1	0.3	1.2	9.8	3.1	12.9	0.4	(NA)	(NA)
3622	Industrial controls -	-	12	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	4.7
364	Electric lighting and wiring equipment -	-	61	14	2.5	26.5	2.0	4.0	19.5	70.6	46.5	116.2	2.2	EE	(D)
3641	Electric lamps -	-	4	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3643	Current-carrying wiring devices -	-	13	5	1.2	12.4	0.8	1.7	8.0	31.4	17.0	47.4	1.4	0.6	12.2
3645	Residential lighting fixtures -	E2	33	5	0.4	2.9	0.3	0.6	2.0	7.3	7.4	14.5	0.1	BB	(D)
365	Radio and TV receiving equipment -	E2	46	9	0.6	5.7	0.4	0.8	3.4	11.0	9.4	20.3	0.7	0.3	3.3
3651	Radio and TV receiving sets -	E3	23	5	0.4	3.8	0.3	0.4	2.1	6.8	5.7	12.5	0.4	(NA)	(NA)
3652	Phonograph records and prerecorded tape -	-	23	4	0.2	1.9	0.2	0.3	1.3	4.2	3.7	7.8	0.3	0.2	2.4
366	Communication equipment -	-	114	53	20.4	289.1	10.6	20.6	107.1	646.0	326.6	946.5	45.3	16.6	287.6
3661	Telephone and telegraph apparatus -	-	11	5	1.3	13.5	0.7	1.3	5.8	22.4	25.3	41.3	1.7	CC	(D)
3662	Radio and TV communication equipment -	-	103	48	19.1	275.6	9.9	19.3	101.3	623.6	301.3	905.1	43.6	FF	(D)
367	Electronic components and accessories -	E1	154	51	9.9	104.6	7.2	14.3	58.6	221.3	145.3	338.5	21.8	9.2	146.5
3671	Electron tubes, all types -	-	7	3	0.2	1.5	0.2	0.4	1.1	4.5	1.1	5.5	(D)	(NA)	(NA)
3674	Semiconductors and related devices -	E1	19	9	3.1	32.7	2.3	4.9	19.5	73.0	42.1	112.9	9.3	EE	(D)
3675	Electronic capacitors -	-	4	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3676	Electronic resistors -	-	3	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3677	Electronic coils and transformers -	-	11	7	0.9	8.7	0.7	1.4	4.6	17.5	17.9	33.3	(D)	EE	(D)
3678	Electronic connectors -	E2	3	3	0.4	3.9	0.3	0.7	3.1	11.4	6.9	17.9	(D)	BB	(D)
3679	Electronic components, n.e.c. -	E1	107	23	3.9	45.9	2.6	5.0	22.1	87.3	62.3	128.5	6.4	3.8	54.3
369	Miscellaneous electrical equipment and supplies -	-	68	17	6.6	82.1	5.3	10.5	50.6	207.5	125.7	324.5	11.2	3.8	83.8
3691	Storage batteries -	-	10	5	2.0	23.9	1.6	3.0	17.0	61.0	46.4	105.0	(D)	1.5	23.9
3693	X-ray, electromedical, and electrotherapeutic apparatus -	-	11	4	3.4	48.4	2.7	5.6	27.1	124.5	60.6	180.6	(D)	EE	(D)
3694	Engine electrical equipment -	-	21	3	0.8	5.9	0.7	1.2	4.0	14.3	13.1	26.1	0.7	(NA)	(NA)
3699	Electrical equipment and supplies, n.e.c. -	E6	24	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
37	Transportation equipment -	-	668	169	36.7	534.5	22.6	45.2	249.0	820.6	579.2	1 514.5	40.6	40.7	700.2
371	Motor vehicles and equipment -	E2	130	23	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.1	28.6
3713	Truck and bus bodies -	E2	25	8	0.4	4.5	0.3	0.6	2.7	11.1	11.6	22.5	1.0	(NA)	(NA)
3714	Motor vehicle parts and accessories -	E3	80	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.2	18.7
3715	Truck trailers -	-	8	4	0.4	4.1	0.3	0.6	2.7	8.3	15.5	23.8	0.2	0.4	4.1
372	Aircraft and parts -	-	64	26	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3721	Aircraft -	-	12	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3724	Aircraft engines and engine parts -	-	23	13	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3728	Aircraft equipment, n.e.c. -	-	29	9	1.8	23.1	1.4	2.8	15.0	42.9	21.0	65.6	2.0	EE	(D)
373	Ship and boat building and repairing -	E1	401	94	13.0	144.2	10.7	20.9	111.7	270.4	236.3	502.0	(D)	11.2	144.2
3731	Ship building and repairing -	-	64	28	6.6	80.4	5.5	11.0	64.7	134.6	95.5	230.1	(D)	4.1	56.2
3732	Boat building and repairing -	E2	337	66	6.4	63.8	5.2	9.9	46.9	135.8	140.8	271.9	5.9	7.1	88.0
3743	Railroad equipment -	E1	4	3	0.2	3.3	0.2	0.4	2.8	2.1	2.8	4.8	(D)	(NA)	(NA)
3751	Motorcycles, bicycles, and parts -	E2	15	3	0.2	1.2	0.1	0.2	0.9	2.7	2.5	5.2	(D)	(NA)	(NA)
376	Guided missiles, space vehicles, parts -	-	11	10	7.8	148.4	2.5	5.1	30.6	278.3	73.0	389.3	(D)	14.5	319.7
3761	Guided missiles and space vehicles -	-	6	6	7.4	143.3	2.3	4.6	27.3	269.9	69.4	377.1	(D)	FF	(D)
3769	Space vehicle equipment, n.e.c. -	-	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
379	Miscellaneous transportation equipment -	E3	43	10	0.6	5.4	0.5	0.8	3.5	9.4	18.7	28.2	(D)	1.3	17.2
3799	Transportation equipment, n.e.c. -	E3	25	8	0.4	4.0	0.3	0.6	2.5	7.2	12.5	19.7	(D)	CC	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
38	Instruments and related products -----	E1	246	52	8.3	85.4	5.9	11.6	48.6	193.1	107.4	298.1	19.0	5.4	68.4
3811	Engineering and scientific instruments -----	E1	20	8	1.0	10.8	0.7	1.3	6.2	26.0	14.9	39.1	(D)	0.7	2.2
382	Measuring and controlling devices -----	E3	51	8	0.9	9.4	0.6	1.3	5.4	17.4	9.0	25.5	(D)	0.8	8.4
3823	Process control instruments -	E1	11	3	0.3	3.7	0.2	0.3	1.5	7.1	3.2	9.6	0.2	AA	(D)
3825	Instruments to measure electricity -----	E8	14	2	0.3	2.9	0.2	0.5	1.8	5.5	2.5	7.9	0.2	0.4	3.4
3829	Measuring and controlling devices, n.e.c. -----	E1	21	2	0.2	2.0	0.2	0.3	1.4	3.6	2.6	6.1	(D)	(NA)	(NA)
3832	Optical instruments and lenses -----	-	12	4	0.3	3.5	0.2	0.4	1.7	8.5	5.9	14.3	1.3	BB	(D)
384	Medical instruments and supplies -----	-	102	16	2.8	29.5	1.9	3.7	16.5	76.3	32.3	107.6	3.2	1.8	29.2
3841	Surgical and medical instruments -----	-	23	6	1.6	16.6	1.2	2.4	10.6	46.2	19.1	65.0	2.4	1.3	21.9
3842	Surgical appliances and supplies -----	-	55	8	1.0	11.7	0.6	1.2	5.1	27.5	11.7	38.6	0.8	0.4	6.6
3851	Ophthalmic goods -----	-	36	12	2.2	20.2	1.8	3.7	14.1	39.2	22.4	64.1	8.5	1.2	18.9
3861	Photographic equipment and supplies -----	-	20	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.6	3.8
39	Miscellaneous manufacturing industries -----	E2	669	74	7.0	61.2	5.6	10.1	38.7	137.5	119.1	251.9	9.1	5.9	67.8
391	Jewelry, silverware, and plated ware -----	E1	89	10	0.9	8.3	0.7	1.2	5.1	18.2	26.3	42.9	(D)	0.5	6.7
3911	Jewelry, precious metal -----	E1	72	8	0.8	7.2	0.6	1.1	4.4	16.3	24.2	39.0	0.3	0.4	5.4
394	Toys and sporting goods -----	E1	120	20	1.9	15.0	1.7	3.0	10.2	35.2	30.3	64.1	(D)	2.0	21.1
3949	Sporting and athletic goods, n.e.c. -----	E1	91	18	1.7	13.4	1.4	2.7	9.1	31.9	27.2	58.0	1.5	EE	(D)
395	Pens, pencils, office and art supplies -----	E1	35	3	0.4	3.6	0.3	0.6	2.1	10.9	6.0	16.7	(D)	0.4	3.4
3951	Pens and mechanical pencils -----	E1	6	2	0.3	2.2	0.2	0.4	1.4	7.7	2.6	10.1	(D)	AA	(D)
396	Costume jewelry and notions --	E7	33	4	0.4	3.2	0.3	0.6	2.1	9.2	6.3	14.5	(D)	0.4	4.8
3964	Needles, pins, and fasteners -----	E8	7	3	0.3	2.4	0.2	0.4	1.5	7.2	4.9	11.1	3.5	AA	(D)
399	Miscellaneous manufactures ---	E2	387	37	3.3	31.0	2.6	4.7	19.1	63.5	49.8	112.9	(D)	2.7	31.4
3991	Brooms and brushes -----	-	17	6	0.2	1.8	0.2	0.4	1.1	3.8	4.3	8.1	(D)	0.2	2.1
3993	Signs and advertising displays -----	E1	161	14	1.4	15.3	1.1	2.0	9.8	29.2	20.7	49.4	2.1	1.1	14.2
3999	Manufacturing industries, n.e.c. -----	E3	190	15	1.5	12.1	1.2	2.0	7.3	25.6	20.0	45.6	0.8	1.2	13.2
-	Administrative and auxiliary -----	-	205	72	8.0	129.8	-	-	-	-	-	-	-	(NA)	(NA)

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Statistics for some industry groups and industries are withheld to avoid disclosing figures for individual companies. However, for such industry groups and industries with 150 employees or more, number of establishments is shown and employment size range is indicated by one of the following symbols: AA—150 to 249 employees; BB—250 to 499 employees; CC—500 to 999 employees; EE—1,000 to 2,499 employees; FF—2,500 employees or more. Statistics for industry groups shown include data for all component industries, regardless of whether data are shown for individual industries in the group.

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Bradenton SMSA -----	-	135	26	4.1	49.4	3.0	6.4	31.8	187.3	233.9	417.7	8.1	4.6	84.2
32	Stone, clay, and glass products -----	-	14	5	0.5	6.8	0.4	1.0	5.3	15.7	18.2	33.7	1.4	(NA)	(NA)
	Daytona Beach SMSA -----	-	254	50	6.5	69.5	4.2	8.2	35.0	164.9	120.7	284.8	10.1	5.7	75.1
20	Food and kindred products --	-	14	6	0.7	7.4	0.4	0.7	3.0	16.3	26.1	42.4	1.3	0.7	12.2
24	Lumber and wood products --	E1	35	7	0.4	3.0	0.3	0.5	2.2	6.2	6.5	12.6	0.3	0.5	5.5
243	Millwork, plywood, and structural members -----	-	14	5	0.3	2.0	0.2	0.4	1.5	4.0	3.8	7.8	0.1	0.3	3.2
27	Printing and publishing -----	E1	49	6	0.9	8.8	0.4	0.8	4.3	18.1	8.4	26.1	1.4	0.7	10.4
34	Fabricated metal products ---	-	16	4	0.6	1.9	0.5	1.0	1.3	8.7	7.5	16.8	(D)	(NA)	(NA)
39	Miscellaneous manufacturing industries ---	-	19	4	0.4	3.6	0.4	0.7	2.3	7.4	5.3	12.5	1.3	(NA)	(NA)
	Fort Lauderdale-Hollywood SMSA -----	-	1 480	274	29.7	350.3	20.3	40.6	192.8	828.3	541.2	1 343.6	54.1	25.0	387.1
20	Food and kindred products --	E2	49	7	0.6	6.4	0.4	0.7	3.0	16.8	24.8	41.6	0.9	0.5	6.9
209	Miscellaneous foods and kindred products -----	-	12	3	0.3	2.8	0.2	0.4	1.5	9.4	12.1	21.5	0.3	(NA)	(NA)
23	Apparel and other textile products -----	E3	133	22	1.5	11.4	1.3	2.2	7.8	23.4	14.9	38.3	0.5	1.4	12.2
239	Miscellaneous fabricated textile products -----	E5	59	5	0.4	3.3	0.3	0.6	2.2	5.9	5.7	11.6	0.2	0.6	4.6
25	Furniture and fixtures -----	E3	88	8	0.6	5.0	0.5	0.9	3.3	11.7	9.3	21.0	0.9	0.6	8.0
251	Household furniture -----	E5	53	5	0.3	2.5	0.3	0.5	1.7	5.1	5.2	10.3	0.8	0.3	3.7
27	Printing and publishing -----	E1	255	24	3.4	38.1	2.0	3.8	21.0	81.7	43.0	124.6	10.6	3.1	56.6
275	Commercial printing -----	E1	163	10	1.3	15.8	1.0	2.0	11.3	28.6	21.0	49.6	(D)	1.1	19.7
2751	Commercial printing, letterpress -----	E3	96	3	0.4	3.8	0.3	0.5	2.7	7.6	5.5	13.1	0.5	0.3	3.5
2752	Commercial printing, lithographic -----	E1	58	6	0.8	11.2	0.7	1.4	8.1	19.9	14.6	34.6	3.5	0.8	15.6
28	Chemicals and allied products -----	E1	42	6	0.6	7.6	0.4	0.8	3.4	18.3	19.7	37.5	4.8	0.3	7.0
30	Rubber and miscellaneous plastics products -----	E1	65	15	1.2	11.8	0.9	1.7	7.2	29.8	24.2	53.9	2.3	1.2	17.0
3079	Miscellaneous plastics products -----	E1	60	14	1.2	11.1	0.9	1.6	6.8	28.9	23.7	52.5	2.2	(NA)	(NA)
32	Stone, clay, and glass products -----	-	74	15	1.0	13.0	0.7	1.4	7.9	24.6	30.9	54.9	1.6	1.8	32.7
327	Concrete, gypsum, and plaster products -----	-	45	13	0.8	10.5	0.6	1.0	6.2	19.3	27.2	45.8	1.0	1.5	28.0
3272	Concrete products, n.e.c. -----	-	29	6	0.6	6.7	0.5	0.8	4.8	11.3	11.9	22.9	0.2	0.6	10.1
33	Primary metal industries ----	-	8	3	0.3	3.7	0.3	0.7	2.8	5.8	3.2	8.6	(D)	(NA)	(NA)
34	Fabricated metal products ---	E2	160	35	2.0	23.3	1.5	2.9	14.5	43.7	52.7	96.1	1.8	3.0	35.7
344	Fabricated structural metal products -----	E2	84	21	1.2	13.8	0.8	1.6	8.0	26.2	38.2	64.2	0.8	1.9	26.2
3442	Metal doors, sash, and trim -----	E5	22	6	0.3	2.8	0.2	0.4	1.7	6.0	6.0	12.1	0.2	0.8	11.8
3449	Miscellaneous metal work -----	-	7	5	0.3	3.5	0.2	0.3	1.7	6.6	14.7	21.2	0.1	0.3	4.9
349	Miscellaneous fabricated metal products -----	E2	28	6	0.4	4.7	0.3	0.7	3.0	9.2	9.6	18.8	0.6	0.3	4.8
3499	Fabricated metal products, n.e.c. -----	E2	15	3	0.3	3.4	0.2	0.5	2.2	5.8	5.4	11.2	0.4	(NA)	(NA)
35	Machinery, except electrical -	-	182	37	5.0	72.1	3.2	6.8	36.0	150.4	75.8	219.5	8.0	3.2	55.9
354	Metalworking machinery ---	E1	41	7	0.7	7.4	0.6	1.3	5.5	13.5	6.3	19.6	0.7	0.5	6.2
3544	Special dies, tools, jigs, and fixtures -----	E3	35	5	0.3	3.1	0.2	0.5	2.5	5.3	2.1	7.3	(D)	(NA)	(NA)
356	General industrial machinery -----	E3	19	5	0.4	5.3	0.3	0.6	3.3	10.7	6.8	16.5	1.1	(NA)	(NA)
3561	Pumps and pumping equipment -----	E3	5	3	0.3	3.8	0.2	0.4	2.4	8.1	3.8	11.3	(D)	(NA)	(NA)
358	Refrigeration and service machinery -----	-	15	4	0.3	3.2	0.2	0.4	1.8	8.3	7.3	15.1	(D)	(NA)	(NA)
359	Miscellaneous machinery, except electrical -----	E3	59	5	0.4	5.3	0.3	0.6	3.5	9.1	4.1	13.2	0.8	0.4	7.4
3599	Machinery, except electrical, n.e.c. -----	E3	59	5	0.4	5.3	0.3	0.6	3.5	9.1	4.1	13.2	0.8	0.4	7.4
36	Electric and electronic equipment -----	-	88	31	7.2	84.0	5.0	10.7	47.4	293.1	133.2	414.3	12.3	4.8	100.0
364	Electric lighting and wiring equipment -----	-	10	3	0.7	7.2	0.5	1.0	4.5	18.2	8.9	26.2	0.6	(NA)	(NA)
366	Communication equipment -----	-	23	11	5.0	61.5	3.3	7.4	32.9	234.0	100.2	323.8	7.5	3.3	71.5
367	Electronic components and accessories -----	E1	29	12	1.1	10.9	0.8	1.6	7.1	26.9	17.2	43.4	3.7	0.9	18.5
3679	Electronic components, n.e.c. -----	E1	21	7	0.4	4.3	0.3	0.6	3.0	10.3	5.7	16.0	(D)	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Fort Lauderdale-Hollywood SMSA—Con.														
37	Transportation equipment ---	E1	91	27	2.4	27.3	1.8	3.5	18.5	46.0	38.6	83.8	2.7	1.7	21.5
3732	Boat building and repairing -----	E2	52	11	1.0	10.2	0.8	1.5	7.5	15.5	14.5	29.1	0.6	1.0	9.1
38	Instruments and related products -----	E1	44	10	1.7	18.6	1.0	2.0	9.2	41.2	19.1	57.9	5.3	1.0	6.4
382	Measuring and controlling devices -----	E7	12	2	0.3	3.1	0.1	0.3	1.3	5.9	2.7	8.0	0.1	0.3	4.3
384	Medical instruments and supplies -----	-	16	3	0.3	2.6	0.2	0.3	1.5	7.2	2.4	9.5	(D)	(NA)	(NA)
39	Miscellaneous manufacturing industries ---	E1	73	9	0.7	6.8	0.5	1.0	4.2	21.2	19.2	38.8	0.5	0.5	6.4
	Fort Myers SMSA -----	-	193	36	3.0	29.4	2.1	3.8	16.7	69.0	63.3	130.7	(D)	2.3	31.9
27	Printing and publishing -----	-	27	3	0.5	5.2	0.2	0.3	1.9	16.3	4.4	20.7	0.9	0.3	5.3
32	Stone, clay, and glass products -----	-	27	9	0.6	6.3	0.4	0.9	4.4	15.5	15.9	30.6	2.3	0.5	6.4
3272	Concrete products, n.e.c. -----	E1	17	4	0.3	3.2	0.3	0.5	2.5	6.3	5.9	11.9	0.8	0.3	3.6
	Gainesville SMSA -----	-	120	29	4.1	41.3	3.0	5.7	24.6	96.7	101.1	197.6	7.8	3.8	53.4
20	Food and kindred products --	E1	8	4	0.7	4.6	0.4	0.9	2.0	7.3	33.9	41.5	0.4	0.8	9.7
24	Lumber and wood products --	E1	22	6	0.4	3.3	0.4	0.7	2.4	5.7	9.5	15.4	0.2	0.5	5.9
27	Printing and publishing -----	E1	24	3	0.4	3.2	0.2	0.3	1.3	8.0	2.7	10.6	0.2	0.3	5.1
	Jacksonville SMSA -----	-	814	243	28.9	373.9	21.7	42.9	248.7	913.6	1 938.6	2 838.0	87.0	28.4	615.5
20	Food and kindred products --	-	63	43	5.4	67.3	3.5	6.9	40.3	277.6	1 093.0	1 365.9	10.4	5.0	173.5
201	Meat products -----	-	10	7	0.9	7.0	0.7	1.4	5.4	11.9	66.9	78.2	(D)	0.7	7.1
202	Dairy products -----	-	8	8	0.8	8.7	0.4	0.9	4.3	30.6	74.6	104.9	(D)	0.7	21.2
204	Grain mill products -----	-	7	5	0.3	2.8	0.2	0.3	1.3	10.3	43.8	53.9	(D)	0.4	5.8
205	Bakery products -----	-	11	6	1.1	13.4	0.5	1.1	5.8	30.2	21.6	51.8	(D)	1.0	17.6
2051	Bread, cake, and related products -----	-	11	6	1.1	13.4	0.5	1.1	5.8	30.2	21.6	51.8	(D)	1.0	17.6
23	Apparel and other textile products -----	E1	28	7	0.6	3.3	0.6	0.7	2.8	5.0	1.6	6.5	0.2	0.6	3.3
233	Women's and misses' outerwear -----	-	12	7	0.6	2.8	0.5	0.6	2.4	4.0	0.8	4.7	(D)	0.5	2.6
2339	Women's and misses' outerwear, n.e.c. -----	-	5	4	0.3	1.4	0.3	0.5	1.2	1.8	0.5	2.3	(D)	(NA)	(NA)
24	Lumber and wood products --	-	134	18	1.3	12.0	1.1	2.1	9.3	32.7	69.7	100.5	3.3	1.3	19.7
2411	Logging camps and logging contractors -----	E3	86	2	0.3	2.7	0.3	0.4	2.1	6.6	15.1	21.1	(D)	0.5	5.4
242	Sawmills and planing mills --	-	8	3	0.3	3.0	0.3	0.7	2.8	10.6	16.5	26.2	(D)	(NA)	(NA)
25	Furniture and fixtures -----	E1	40	11	0.7	7.1	0.6	1.1	5.2	14.0	11.4	25.3	0.5	0.7	10.3
251	Household furniture -----	E1	20	4	0.4	3.5	0.3	0.6	2.6	5.1	7.4	12.6	0.3	0.4	5.8
2515	Mattresses and bedsprings -----	-	7	3	0.3	2.8	0.2	0.4	2.1	3.4	6.2	9.8	(D)	(NA)	(NA)
26	Paper and allied products ---	-	32	22	4.9	75.5	3.9	7.8	58.3	162.2	305.3	468.3	37.5	4.7	127.0
264	Miscellaneous converted paper products -----	-	14	8	1.1	13.2	0.9	1.8	10.4	36.0	71.5	108.7	2.1	1.0	27.1
2653	Corrugated and solid fiber boxes -----	-	6	4	0.6	7.0	0.4	0.7	4.6	11.8	23.7	35.5	(D)	0.7	9.2
27	Printing and publishing -----	-	141	28	2.6	28.8	1.5	3.1	14.6	61.9	34.1	95.8	4.2	2.5	39.9
275	Commercial printing -----	E1	80	14	0.7	8.7	0.6	1.1	5.3	14.1	11.6	25.6	0.7	0.6	9.0
28	Chemicals and allied products -----	-	37	12	1.5	19.9	0.7	1.6	8.6	67.8	77.5	144.0	11.6	1.2	43.3
30	Rubber and miscellaneous plastics products -----	-	24	6	0.5	5.2	0.4	0.8	3.8	13.5	23.3	35.2	1.0	(NA)	(NA)
32	Stone, clay, and glass products -----	-	39	17	1.7	21.1	1.4	2.8	15.9	44.7	48.5	92.6	7.4	1.9	38.4
3272	Concrete products, n.e.c. -----	-	12	8	0.4	3.4	0.3	0.6	2.3	6.6	5.8	12.7	0.3	0.4	5.1
33	Primary metal industries ----	-	14	10	1.4	16.3	1.1	2.6	12.0	32.8	62.6	93.9	2.7	1.0	10.6
3315	Steel wire and related products -----	-	6	6	0.7	7.5	0.5	1.2	5.7	17.6	37.3	54.4	(D)	0.6	6.4
34	Fabricated metal products ---	-	60	19	1.8	26.0	1.3	2.8	17.7	67.6	106.2	171.3	(D)	2.0	32.8
3441	Fabricated structural metal -----	-	8	5	0.5	7.0	0.3	0.7	3.6	9.5	19.5	29.9	0.2	0.6	6.4
3444	Sheet metal work -----	-	10	4	0.4	4.1	0.3	0.6	2.8	7.6	11.9	19.3	0.3	0.3	4.8
35	Machinery, except electrical -	E2	59	15	1.3	16.5	0.9	1.7	9.8	33.3	22.8	55.1	(D)	1.4	21.0
356	General industrial machinery -----	E4	7	3	0.3	3.9	0.3	0.5	2.3	6.4	6.6	13.0	0.3	0.3	5.5
37	Transportation equipment ---	-	47	16	3.8	47.3	3.4	6.6	40.7	78.6	51.1	130.6	2.3	3.6	58.5
3731	Ship building and repairing -----	-	10	7	3.1	39.9	2.8	5.6	34.8	69.9	39.0	108.8	1.9	2.8	38.1
--	Administrative and auxiliary --	-	21	8	0.9	12.8	-	-	-	-	-	-	-	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry		1977											1972	
			All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Lakeland-Winter Haven SMSA	-	344	133	16.7	199.5	12.7	26.7	135.3	519.1	1 341.2	1 832.6	68.3	14.9	333.8
20	Food and kindred products --	-	39	26	5.2	52.3	4.3	9.1	39.0	174.3	474.2	647.1	18.2	5.5	144.2
203	Preserved fruits and vegetables --	-	21	18	4.2	39.2	3.7	7.8	32.0	147.6	383.1	530.9	(D)	4.5	120.4
2037	Frozen fruits and vegetables --	-	10	10	2.5	25.8	2.2	5.1	20.6	99.1	283.0	382.7	6.8	2.9	82.5
24	Lumber and wood products --	-	27	10	0.8	8.6	0.7	1.4	6.4	15.8	28.1	43.7	0.4	0.9	14.3
245	Wood buildings and mobile homes --	-	6	5	0.5	6.3	0.4	0.9	4.7	11.8	22.2	34.0	0.2	0.7	11.3
2451	Mobile homes --	-	6	5	0.5	6.3	0.4	0.9	4.7	11.8	22.2	34.0	0.2	(NA)	(NA)
27	Printing and publishing ----	E1	48	7	0.6	5.7	0.3	0.5	2.2	13.2	5.5	18.7	2.3	0.4	6.6
2711	Newspapers ----	-	13	4	0.3	3.5	0.1	0.3	0.9	8.8	2.2	11.0	(D)	0.3	5.0
28	Chemicals and allied products --	-	39	27	4.1	61.5	2.8	6.5	39.8	169.0	668.0	813.9	37.0	2.9	84.6
281	Industrial inorganic chemicals --	-	6	5	0.4	5.6	0.2	0.5	3.5	8.5	58.8	65.1	(D)	(NA)	(NA)
2819	Industrial inorganic chemicals, n.e.c. ----	-	6	5	0.4	5.6	0.2	0.5	3.5	8.5	58.8	65.1	(D)	(NA)	(NA)
287	Agricultural chemicals --	-	25	17	3.5	52.7	2.5	5.7	34.9	146.2	578.4	704.0	29.2	2.7	77.6
2875	Fertilizers, mixing only --	-	11	7	0.4	4.9	0.2	0.6	2.2	8.8	46.7	55.1	0.6	(NA)	(NA)
30	Rubber and miscellaneous plastics products --	-	11	6	0.5	4.8	0.4	0.8	3.5	10.3	9.4	19.2	0.5	0.3	5.3
32	Stone, clay, and glass products --	-	35	11	1.0	12.1	0.8	1.6	8.6	32.1	20.4	52.8	2.1	1.5	27.9
34	Fabricated metal products --	E1	28	11	0.8	11.0	0.6	1.3	8.4	21.6	39.4	61.7	0.7	0.6	13.2
349	Miscellaneous fabricated metal products --	E3	8	5	0.3	4.1	0.2	0.4	2.7	6.5	8.6	16.3	0.4	(NA)	(NA)
35	Machinery, except electrical --	E2	46	14	1.2	15.9	0.8	1.6	9.4	27.9	18.6	45.2	2.0	1.0	18.4
355	Special industry machinery --	-	7	4	0.6	8.6	0.3	0.7	4.0	15.3	8.7	23.0	(D)	(NA)	(NA)
39	Miscellaneous manufacturing industries --	E1	16	3	0.4	2.8	0.3	0.6	1.9	7.7	4.9	11.8	0.5	0.3	2.1
	Melbourne-Titusville-Cocoa SMSA	-	296	63	14.4	196.0	7.6	15.1	71.9	359.3	189.0	571.3	26.5	13.6	243.0
27	Printing and publishing ----	E1	33	3	0.5	4.6	0.2	0.3	1.6	12.2	3.9	16.1	0.5	0.5	8.3
35	Machinery, except electrical --	-	39	10	1.7	22.1	1.0	1.8	10.4	38.7	22.5	62.2	9.0	(NA)	(NA)
36	Electric and electronic equipment --	-	35	16	6.5	88.8	3.1	6.4	26.1	182.7	72.2	246.8	10.2	(NA)	(NA)
37	Transportation equipment --	-	32	13	3.8	55.7	2.2	4.5	24.9	85.1	51.1	168.1	0.7	6.7	134.1
373	Ship and boat building and repairing --	E2	20	5	0.5	4.0	0.4	0.9	3.5	15.6	13.1	28.0	(D)	(NA)	(NA)
38	Instruments and related products --	-	10	4	0.5	4.8	0.3	0.6	2.3	16.1	8.7	23.5	(D)	(NA)	(NA)
	Miami SMSA	-	3 410	888	85.1	812.8	65.8	124.1	509.2	1 797.5	1 784.0	3 546.0	112.3	86.0	1 219.0
20	Food and kindred products --	E1	201	71	7.1	80.7	4.3	8.7	38.9	225.1	417.3	641.1	11.2	7.6	140.9
201	Meat products --	E3	28	12	0.8	9.3	0.6	1.3	6.3	17.3	74.9	92.5	0.7	0.7	12.3
202	Dairy products --	-	21	8	1.0	12.5	0.5	1.0	5.5	58.1	134.1	191.8	2.5	1.5	39.4
2026	Fluid milk --	-	10	8	0.9	11.7	0.4	0.9	5.0	54.2	126.5	180.3	(D)	(NA)	(NA)
2038	Frozen specialties --	E1	4	4	0.3	2.5	0.2	0.5	1.8	5.4	16.6	22.0	(D)	(NA)	(NA)
205	Bakery products --	E3	55	15	2.1	24.2	1.2	2.5	11.5	51.0	42.6	93.6	1.3	1.9	27.7
208	Beverages --	E2	15	5	1.1	15.0	0.4	0.9	4.4	50.2	60.5	109.5	4.3	1.2	25.9
209	Miscellaneous foods and kindred products --	E2	49	18	1.3	11.0	1.0	1.8	6.2	23.4	64.6	88.2	1.0	1.4	20.6
22	Textile mill products --	E1	77	30	4.3	33.8	3.9	7.3	24.5	59.9	60.4	120.9	3.4	3.4	52.7
23	Apparel and other textile products --	E2	842	294	20.7	138.0	18.1	31.4	104.6	261.2	239.3	498.0	6.0	18.8	162.8
232	Men's and boys' furnishings --	E2	61	34	2.5	15.2	2.2	3.9	11.9	28.7	32.7	61.1	0.6	1.4	15.7
2321	Men's and boys' shirts and nightwear --	E2	32	19	1.7	10.5	1.5	2.7	7.9	21.3	25.8	47.1	(D)	0.9	10.0
2329	Men's and boys' clothing, n.e.c. ----	E3	19	10	0.5	2.8	0.5	0.7	2.5	4.3	2.6	6.8	0.1	(NA)	(NA)
233	Women's and misses' outerwear --	E3	597	191	13.2	87.3	11.7	20.1	66.5	163.6	137.7	298.5	3.8	12.2	104.2
2331	Women's and misses' blouses and waists --	-	53	29	2.0	14.5	1.8	3.1	11.1	25.1	36.4	60.5	0.8	1.0	9.6
2335	Women's and misses' dresses --	E5	435	111	7.3	45.9	6.4	11.0	35.4	86.7	58.3	143.9	2.4	8.0	66.3
2337	Women's and misses' suits and coats --	-	36	20	2.0	13.4	1.8	3.1	10.5	25.0	14.5	39.3	0.3	1.4	10.3
2339	Women's and misses' outerwear, n.e.c. ----	E2	73	31	1.9	13.6	1.7	2.9	9.4	26.8	28.6	54.7	0.3	1.8	18.0
236	Children's outerwear --	E1	30	20	1.3	9.0	1.1	2.1	6.6	17.4	16.5	34.0	(D)	2.2	20.4
238	Miscellaneous apparel and accessories --	-	15	10	0.8	5.7	0.6	1.0	3.4	11.8	15.5	28.1	(D)	0.4	3.3
239	Miscellaneous fabricated textile products --	E2	116	23	1.6	11.2	1.3	2.3	8.1	21.8	18.1	39.6	0.6	1.6	11.4
2391	Curtains and draperies --	E3	33	4	0.4	2.4	0.3	0.5	1.7	5.5	5.6	11.0	0.1	0.4	3.9
2399	Fabricated textile products, n.e.c. ----	-	13	2	0.4	1.7	0.2	0.3	1.4	3.2	2.5	5.7	(D)	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Miami SMSA—Con.														
24	Lumber and wood products--	E1	116	17	1.6	16.1	1.3	2.5	11.1	30.9	33.0	63.6	1.2	2.2	26.6
243	Millwork, plywood, and structural members-----	E2	80	13	1.1	10.9	0.9	1.8	7.9	17.4	17.3	34.5	0.7	1.9	22.8
2431	Millwork-----	-	22	3	0.3	2.2	0.2	0.4	1.6	4.3	6.6	10.7	0.1	(NA)	(NA)
2434	Wood kitchen cabinets--	E1	52	8	0.8	7.7	0.6	1.2	5.6	11.3	7.9	19.2	0.5	1.1	14.2
25	Furniture and fixtures-----	E1	213	58	4.5	42.2	3.6	6.9	28.6	81.6	71.5	152.4	2.7	4.8	56.6
251	Household furniture-----	E2	141	37	2.4	19.7	2.0	3.8	13.8	38.3	36.2	73.6	(D)	2.6	28.1
2511	Wood household furniture-----	E4	72	11	0.8	6.3	0.7	1.3	4.7	11.5	10.2	21.4	0.5	0.6	5.2
2512	Upholstered household furniture-----	E3	18	6	0.3	2.7	0.3	0.5	2.1	4.3	4.2	8.6	0.2	0.8	7.6
2514	Metal household furniture-----	E2	17	7	0.4	3.4	0.4	0.7	2.4	6.5	5.1	11.5	0.2	0.7	7.6
2515	Mattresses and bedsprings-----	E1	23	10	0.5	5.2	0.5	0.9	3.4	11.8	13.9	25.2	0.2	0.4	4.8
2541	Wood partitions and fixtures-----	E2	23	6	0.6	6.2	0.5	1.0	4.0	8.8	6.0	14.8	0.3	0.8	7.3
259	Miscellaneous furniture and fixtures-----	-	22	7	1.1	12.3	0.8	1.6	8.2	27.5	24.7	52.6	0.4	1.0	15.4
26	Paper and allied products---	E1	46	17	1.3	15.2	1.0	2.0	9.5	32.1	43.9	76.0	1.7	1.7	26.1
264	Miscellaneous converted paper products-----	E1	30	8	0.6	6.9	0.4	0.9	4.1	14.5	22.7	37.1	1.0	(NA)	(NA)
2651	Folding paperboard boxes-----	-	3	3	0.3	2.5	0.2	0.5	1.8	5.0	4.7	9.7	0.1	(NA)	(NA)
2653	Corrugated and solid fiber boxes-----	-	8	3	0.3	4.3	0.2	0.4	2.5	9.7	14.1	23.8	0.4	0.4	5.9
27	Printing and publishing-----	E1	511	64	6.9	88.1	4.0	7.4	44.4	203.6	109.8	313.4	9.2	7.4	149.2
2721	Periodicals-----	E1	42	1	0.3	3.7	0.1	0.1	0.5	11.2	6.7	17.9	0.1	(NA)	(NA)
273	Books-----	E3	25	5	0.4	4.9	0.2	0.5	2.6	12.6	7.3	19.8	0.2	0.5	7.9
2741	Miscellaneous publishing-----	E1	21	1	0.3	4.6	0.1	0.4	2.0	8.1	2.0	10.3	0.2	0.3	5.7
2751	Commercial printing, letterpress-----	E4	175	11	0.9	9.3	0.7	1.2	6.4	17.8	12.1	29.9	1.0	1.3	16.6
278	Blankbooks and bookbinding-----	E1	22	6	0.3	3.3	0.3	0.5	2.3	6.3	2.0	8.4	0.2	(NA)	(NA)
279	Printing trade services-----	E2	43	8	0.4	6.4	0.3	0.6	4.5	10.9	3.0	13.8	1.5	0.4	7.4
28	Chemicals and allied products-----	E1	108	22	2.2	26.4	1.3	2.7	11.7	76.0	69.7	144.0	4.7	1.8	45.8
283	Drugs-----	-	13	5	1.0	13.6	0.7	1.6	6.6	41.3	17.3	56.9	1.3	(NA)	(NA)
284	Soaps, cleaners, and toilet goods-----	E4	42	5	0.5	5.2	0.2	0.4	1.6	11.7	12.1	23.8	0.6	0.3	8.5
2851	Paints and allied products-----	E1	19	5	0.3	3.3	0.2	0.4	1.5	9.6	14.0	23.3	(D)	(NA)	(NA)
30	Rubber and miscellaneous plastics products-----	-	117	34	5.2	42.8	4.5	9.2	30.5	81.5	79.3	155.6	10.8	4.6	61.9
31	Leather and leather products-----	E1	49	20	3.5	23.9	3.2	6.0	18.4	37.4	30.0	65.6	1.5	2.8	21.4
3161	Luggage-----	-	4	3	0.4	2.6	0.4	0.6	2.2	4.4	4.3	8.5	(D)	(NA)	(NA)
317	Handbags and other personal leather goods--	E3	16	8	1.3	8.5	1.2	2.3	6.7	14.0	9.7	22.3	(D)	0.8	7.0
32	Stone, clay, and glass products-----	-	98	26	1.7	21.5	1.2	2.4	13.8	73.8	61.7	134.0	7.9	2.8	68.9
327	Concrete, gypsum, and plaster products-----	-	68	17	1.2	13.8	0.8	1.6	8.1	37.2	36.1	72.0	5.9	2.1	43.8
3273	Ready-mixed concrete--	-	27	5	0.3	4.5	0.1	0.3	2.1	16.9	19.7	36.3	(D)	1.1	28.4
33	Primary metal industries-----	-	33	13	1.0	11.5	0.8	1.7	7.9	26.9	73.9	100.0	3.0	1.2	24.2
335	Nonferrous rolling and drawing-----	-	8	3	0.3	3.8	0.3	0.6	2.9	6.7	33.9	39.8	0.1	(NA)	(NA)
34	Fabricated metal products---	E1	227	78	7.1	71.2	5.4	10.4	46.9	148.2	151.9	299.4	6.5	8.3	119.4
342	Cutlery, hand tools, and hardware-----	-	10	4	1.2	12.8	1.0	1.8	10.3	31.3	24.8	56.0	1.6	0.8	14.9
344	Fabricated structural metal products-----	E1	112	45	3.8	37.4	2.9	5.6	22.2	72.1	85.9	158.0	2.5	5.9	79.8
3441	Fabricated structural metal-----	-	15	8	0.4	4.9	0.3	0.5	2.6	10.0	12.9	22.9	0.2	(NA)	(NA)
3442	Metal doors, sash, and trim-----	-	34	20	2.3	20.2	1.8	3.6	12.8	39.4	46.0	86.1	1.2	3.5	43.5
3444	Sheet metal work-----	E2	23	8	0.4	4.7	0.3	0.5	2.8	9.3	12.0	20.3	0.5	0.9	13.3
3446	Architectural metal work-----	E2	23	3	0.3	3.2	0.2	0.4	1.7	5.0	3.9	9.0	0.2	(NA)	(NA)
345	Screw machine products, bolts, etc.-----	-	12	3	0.3	2.9	0.2	0.4	1.8	7.7	5.7	13.2	0.2	(NA)	(NA)
347	Metal services, n.e.c.-----	E1	30	9	0.6	5.8	0.5	1.0	4.2	11.2	4.9	16.1	0.5	0.5	7.7
349	Miscellaneous fabricated metal products-----	E2	31	10	0.7	7.3	0.6	1.0	5.0	16.6	17.5	33.5	1.3	0.5	6.1
3499	Fabricated metal products, n.e.c.-----	E3	23	7	0.5	5.1	0.4	0.7	3.3	11.0	9.8	20.4	0.6	0.3	4.1

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Miami SMSA—Con.														
35	Machinery, except electrical	E2	190	30	2.2	26.7	1.6	3.3	16.9	58.7	43.5	101.1	3.4	2.7	45.4
353	Construction and related machinery	E1	13	4	0.4	4.8	0.2	0.5	2.6	10.7	7.5	18.0	0.4	0.4	6.5
354	Metalworking machinery	E3	45	9	0.4	5.4	0.4	0.7	3.7	10.8	7.1	17.5	0.9	0.4	4.9
3544	Special dies, tools, jigs, and fixtures	E3	32	6	0.3	3.4	0.2	0.5	2.6	5.5	2.3	7.8	0.6	(NA)	(NA)
356	General industrial machinery	E2	18	6	0.3	3.6	0.2	0.4	2.2	6.1	5.1	10.8	0.2	0.4	5.8
358	Refrigeration and service machinery	E2	17	3	0.3	2.6	0.2	0.4	1.6	5.7	4.0	9.7	(D)	0.4	7.7
3585	Refrigeration and heating equipment	E1	11	3	0.3	2.5	0.2	0.4	1.5	5.4	3.8	9.2	(D)	(NA)	(NA)
359	Miscellaneous machinery, except electrical	E5	74	6	0.6	6.5	0.4	0.9	4.7	11.6	5.0	16.6	0.7	0.4	6.0
3599	Machinery, except electrical, n.e.c.	E5	74	6	0.6	6.5	0.4	0.9	4.7	11.6	5.0	16.6	0.7	0.4	6.0
36	Electric and electronic equipment	E1	118	29	6.7	84.8	5.3	10.1	52.5	240.1	149.5	375.9	26.5	4.6	91.8
364	Electric lighting and wiring equipment	E2	23	4	0.4	3.7	0.3	0.7	2.5	9.3	9.9	19.0	0.3	0.5	7.5
3645	Residential lighting fixtures	E2	16	2	0.3	2.3	0.2	0.5	1.6	5.9	6.4	12.2	0.1	0.3	3.5
365	Radio and TV receiving equipment	E2	23	5	0.3	3.4	0.2	0.4	1.9	7.0	5.6	12.6	(D)	(NA)	(NA)
366	Communication equipment	E3	17	8	1.8	22.5	1.4	2.2	16.3	79.7	52.9	127.1	(D)	1.7	23.1
367	Electronic components and accessories	-	18	3	0.3	3.5	0.3	0.6	2.4	9.9	9.4	17.1	0.7	(NA)	(NA)
369	Miscellaneous electrical equipment and supplies	-	22	6	3.7	49.9	2.9	6.0	28.0	130.5	68.4	193.0	(D)	2.0	56.8
37	Transportation equipment	E1	127	28	3.1	33.1	2.4	4.7	23.3	68.2	63.9	129.5	4.7	5.4	73.2
38	Instruments and related products	-	56	14	2.1	18.9	1.4	2.9	9.2	37.4	32.5	69.1	2.8	1.1	10.4
384	Medical instruments and supplies	-	24	4	0.5	6.2	0.3	0.7	2.5	12.5	6.6	19.1	0.4	(NA)	(NA)
3842	Surgical appliances and supplies	-	13	3	0.5	5.2	0.3	0.6	2.0	10.5	5.5	16.0	0.3	(NA)	(NA)
3851	Ophthalmic goods	E1	14	6	0.8	5.4	0.7	1.4	3.8	12.6	4.9	16.8	(D)	(NA)	(NA)
39	Miscellaneous manufacturing industries	E3	200	31	2.7	23.1	2.3	3.9	14.9	48.5	43.9	91.0	4.5	2.7	33.5
391	Jewelry, silverware, and plated ware	E1	48	6	0.5	4.1	0.4	0.6	2.6	8.7	10.2	18.6	(D)	0.4	5.6
3911	Jewelry, precious metal	E1	39	4	0.3	3.2	0.3	0.5	2.0	6.9	8.6	15.3	0.1	0.3	4.4
394	Toys and sporting goods	E2	34	8	0.9	6.3	0.7	1.3	4.4	11.7	13.0	24.7	0.4	1.2	13.6
3949	Sporting and athletic goods, n.e.c.	E2	24	7	0.7	5.5	0.6	1.1	3.8	10.4	11.4	22.0	0.3	(NA)	(NA)
396	Costume jewelry and notions	E7	14	3	0.3	2.7	0.3	0.5	1.8	8.1	5.5	12.5	(D)	(NA)	(NA)
399	Miscellaneous manufactures	E3	98	14	1.1	9.8	0.9	1.5	6.0	19.7	15.0	34.7	0.5	0.8	10.5
3999	Manufacturing industries, n.e.c.	E3	70	10	0.8	6.6	0.7	1.1	4.1	13.1	9.8	22.8	0.3	0.5	7.0
	Orlando SMSA	-	822	190	24.8	323.2	14.6	28.8	139.2	777.8	794.6	1 565.8	46.6	25.4	497.7
20	Food and kindred products	-	57	23	3.9	42.1	2.5	5.4	24.8	179.4	344.4	523.1	12.6	4.3	87.1
203	Preserved fruits and vegetables	-	10	5	1.3	11.5	1.1	2.5	8.9	51.1	174.4	225.8	5.0	2.0	22.6
205	Bakery products	-	12	4	0.7	10.4	0.4	0.9	5.6	17.8	13.8	31.5	0.4	0.7	11.9
208	Beverages	-	10	6	0.9	10.5	0.4	1.0	4.5	56.7	72.4	128.2	5.2	0.6	26.0
23	Apparel and other textile products	E1	27	6	0.5	3.4	0.5	0.8	2.5	5.6	2.7	8.3	0.1	0.4	2.9
232	Men's and boys' furnishings	-	3	3	0.3	1.5	0.2	0.4	1.2	2.6	1.1	3.7	(D)	(NA)	(NA)
25	Furniture and fixtures	-	25	9	0.5	4.1	0.3	0.6	2.4	10.6	11.3	21.9	0.3	0.4	4.6
251	Household furniture	-	17	5	0.3	2.7	0.2	0.4	1.5	8.4	8.6	17.0	0.1	(NA)	(NA)
26	Paper and allied products	-	10	5	1.0	12.2	0.8	1.7	9.7	28.3	63.8	90.9	3.4	0.7	14.8
265	Paperboard containers and boxes	-	6	5	0.9	11.8	0.8	1.6	9.5	27.3	62.5	88.6	(D)	0.6	14.4
27	Printing and publishing	-	157	22	2.6	29.6	1.4	2.6	13.9	72.3	32.5	104.6	2.7	2.3	38.5
275	Commercial printing	E2	94	11	0.6	7.3	0.4	0.7	4.1	11.7	9.3	21.0	0.9	0.7	10.1
2752	Commercial printing, lithographic	E1	55	10	0.5	6.1	0.3	0.6	3.4	9.7	7.8	17.5	(D)	0.4	5.2
30	Rubber and miscellaneous plastics products	-	26	9	0.5	5.0	0.4	0.9	3.6	13.1	17.0	29.9	1.6	(NA)	(NA)
3079	Miscellaneous plastics products	-	26	9	0.5	5.0	0.4	0.9	3.6	13.1	17.0	29.9	1.6	(NA)	(NA)
34	Fabricated metal products	-	70	15	1.3	18.2	1.0	2.1	12.7	45.5	64.7	108.0	2.2	1.7	37.4
341	Metal cans and shipping containers	-	3	3	0.4	6.9	0.3	0.8	6.0	20.6	38.9	57.2	(D)	0.4	14.5
3411	Metal cans	-	3	3	0.4	6.9	0.3	0.8	6.0	20.6	38.9	57.2	(D)	0.4	14.5
344	Fabricated structural metal products	E1	40	8	0.6	7.7	0.5	0.9	4.5	17.2	22.2	39.5	0.8	0.6	9.5

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SMSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SMSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Orlando SMSA—Con.														
36	Electric and electronic equipment -----	-	60	22	4.6	50.3	3.3	6.4	28.2	99.6	87.3	180.6	5.2	3.4	60.3
366	Communication equipment -----	-	14	8	1.9	22.7	1.0	2.0	7.9	29.3	33.1	59.6	2.9	(NA)	(NA)
3679	Electronic components, n.e.c. -----	E2	19	3	0.6	5.5	0.6	1.1	4.0	9.9	5.2	14.8	0.5	(NA)	(NA)
373	Ship and boat building and repairing -----	E1	22	7	0.6	5.8	0.5	0.9	4.2	9.4	16.2	25.2	0.8	0.5	5.9
3732	Boat building and repairing -----	E1	22	7	0.6	5.8	0.5	0.9	4.2	9.4	16.2	25.2	0.8	(NA)	(NA)
-	Administrative and auxiliary --	-	21	5	0.4	4.6	-	-	-	-	-	-	-	(NA)	(NA)
	Panama City SMSA -----	-	95	19	2.6	34.6	2.0	3.8	23.6	97.0	114.1	210.2	(D)	(NA)	(NA)
34	Fabricated metal products ---	-	10	4	0.4	4.5	0.2	0.4	2.5	9.8	5.5	15.3	(D)	(NA)	(NA)
	Pensacola SMSA -----	-	208	47	12.7	179.0	8.7	16.8	109.2	402.0	495.3	893.0	64.8	14.0	298.2
24	Lumber and wood products --	E1	51	7	0.6	5.6	0.5	0.9	4.1	8.9	14.8	22.7	1.7	0.9	10.9
27	Printing and publishing -----	E1	27	4	0.6	5.9	0.3	0.5	2.8	16.8	5.3	22.1	0.7	0.5	9.9
28	Chemicals and allied products -----	-	8	5	5.6	85.8	4.2	8.4	59.4	213.2	320.8	533.0	53.7	6.6	179.8
327	Concrete, gypsum, and plaster products -----	-	17	7	0.5	4.0	0.4	0.8	2.5	5.0	9.9	14.9	0.4	(NA)	(NA)
	Sarasota SMSA -----	-	277	51	5.2	59.8	3.6	6.8	31.9	128.5	98.1	222.1	7.7	4.6	52.2
27	Printing and publishing -----	E1	51	7	0.9	9.2	0.4	0.7	4.0	18.2	8.1	26.3	0.9	0.6	8.6
34	Fabricated metal products ---	E1	32	5	0.7	7.1	0.5	1.1	4.9	16.3	10.5	26.4	1.0	0.7	7.3
349	Miscellaneous fabricated metal products -----	-	7	3	0.3	3.0	0.2	0.4	2.0	6.2	3.6	9.4	0.4	(NA)	(NA)
366	Communication equipment -----	-	5	3	0.7	12.3	0.4	0.8	4.0	18.2	9.3	24.9	(D)	(NA)	(NA)
37	Transportation equipment ---	-	21	4	0.7	7.1	0.5	1.0	4.2	20.8	21.8	42.4	1.2	(NA)	(NA)
	Tallahassee SMSA -----	-	122	18	2.1	22.3	1.4	2.6	12.7	51.5	55.9	106.7	5.0	2.2	30.4
20	Food and kindred products --	E1	15	3	0.3	2.6	0.2	0.3	1.0	4.5	10.3	14.8	0.3	0.3	3.6
24	Lumber and wood products --	E1	28	2	0.3	2.4	0.3	0.5	1.9	3.9	6.8	10.7	0.2	0.7	6.7
27	Printing and publishing -----	-	31	4	0.6	7.2	0.4	0.7	3.9	16.4	6.3	22.6	1.3	0.5	8.3
	Tampa-St. Petersburg SMSA -	-	1 753	440	59.7	686.6	40.6	77.6	382.5	1 558.2	1 980.0	3 491.4	96.0	59.8	951.5
20	Food and kindred products --	-	129	60	10.6	105.9	7.7	14.7	65.0	344.7	654.1	996.8	18.6	10.3	155.2
202	Dairy products -----	-	9	7	0.9	9.7	0.4	1.0	4.8	38.0	100.0	137.7	1.2	1.0	18.2
203	Preserved fruits and vegetables -----	-	16	9	2.7	23.4	2.3	4.2	16.9	150.4	106.7	255.8	(D)	2.7	36.4
2037	Frozen fruits and vegetables -----	-	5	4	2.1	20.3	1.8	3.5	14.3	144.3	96.8	239.9	(D)	(NA)	(NA)
204	Grain mill products -----	-	13	7	0.4	4.4	0.2	0.4	2.0	8.6	78.3	87.1	0.9	0.3	5.7
2051	Bread, cake, and related products -----	-	18	9	1.0	11.6	0.5	1.0	5.1	24.6	12.8	37.4	2.5	(NA)	(NA)
208	Beverages -----	-	13	7	1.3	21.2	0.7	1.3	11.8	44.1	94.3	138.4	1.5	1.2	35.0
209	Miscellaneous foods and kindred products -----	E2	38	15	3.1	21.2	2.6	4.5	13.9	49.3	122.8	171.5	3.2	2.6	23.6
23	Apparel and other textile products -----	E2	80	19	2.4	15.8	1.9	3.4	11.2	23.3	31.7	54.0	0.9	2.8	18.4
232	Men's and boys' furnishings -----	E1	8	6	1.0	6.4	0.8	1.3	4.7	10.9	12.5	23.3	0.5	0.9	6.7
233	Women's and misses' outerwear -----	E3	22	5	0.6	3.7	0.5	0.8	2.3	2.5	11.3	12.7	0.2	0.4	2.9
2339	Women's and misses' outerwear, n.e.c. -----	E3	7	4	0.5	3.1	0.4	0.6	1.9	1.3	10.7	10.9	(D)	0.4	2.6
239	Miscellaneous fabricated textile products -----	E3	46	4	0.4	2.9	0.3	0.6	2.0	5.1	3.9	8.9	0.1	0.4	2.6
24	Lumber and wood products --	E3	119	31	2.3	21.4	2.0	3.7	15.2	37.2	59.8	96.6	6.2	2.7	32.0
243	Millwork, plywood, and structural members -----	E3	72	16	1.0	8.2	0.8	1.4	5.9	13.1	16.3	29.4	3.8	1.1	10.3
2431	Millwork -----	E4	23	6	0.4	3.0	0.4	0.6	2.3	4.4	7.2	11.6	(D)	0.4	3.5
2434	Wood kitchen cabinets --	E3	42	7	0.5	4.3	0.4	0.6	2.9	6.8	5.5	12.3	(D)	0.5	4.8
245	Wood buildings and mobile homes -----	E3	15	10	1.0	11.0	0.9	1.7	7.5	19.3	38.0	57.1	2.0	1.3	17.0
25	Furniture and fixtures -----	E3	73	15	1.0	7.9	0.8	1.5	5.8	15.0	15.6	30.2	1.4	1.5	15.7
251	Household furniture -----	E3	46	10	0.7	5.2	0.6	1.1	4.0	10.0	10.2	19.7	1.2	1.0	9.1
26	Paper and allied products ---	E2	22	9	0.8	9.4	0.6	1.2	5.9	20.9	30.9	51.6	1.2	1.0	14.4
265	Paperboard containers and boxes -----	-	11	5	0.5	6.5	0.4	0.8	4.1	14.0	20.7	34.6	1.0	0.8	10.3
27	Printing and publishing -----	-	287	33	5.0	57.8	2.5	4.6	26.3	125.0	60.9	185.8	7.5	4.3	74.4
2711	Newspapers -----	-	31	6	3.0	34.8	1.0	1.7	11.6	78.6	33.9	112.4	2.9	2.7	51.2
273	Books -----	E2	17	6	0.3	2.9	0.1	0.3	1.3	8.5	2.4	10.9	0.5	(NA)	(NA)
275	Commercial printing -----	E1	183	12	1.2	13.4	1.0	1.8	9.5	25.3	17.0	42.1	3.5	1.1	14.1
2752	Commercial printing, lithographic -----	E1	73	9	0.8	9.2	0.6	1.2	6.5	17.1	11.9	28.8	3.1	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SMSA's, see appendix A. For explanation of terms, see appendix B

SIC code	SMSA and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
Tampa-St. Petersburg SMSA —Con.															
28	Chemicals and allied products -----	-	83	23	3.6	50.3	2.6	5.3	31.6	172.2	350.3	519.9	12.4	3.5	87.9
284	Soaps, cleaners, and toilet goods -----	-	16	5	0.3	3.2	0.2	0.4	1.9	15.7	27.2	42.8	0.4	(NA)	(NA)
2851	Paints and allied products -----	E1	23	3	0.3	4.2	0.2	0.3	1.5	7.1	14.0	21.1	0.2	0.8	14.9
287	Agricultural chemicals -----	-	22	13	2.7	39.0	2.0	4.3	25.9	138.5	290.8	426.4	10.4	2.3	56.4
29	Petroleum and coal products -----	-	13	5	0.3	3.7	0.2	0.4	2.1	11.3	27.3	38.1	0.4	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	E1	58	15	1.3	12.8	1.1	2.1	8.8	29.9	26.4	55.9	2.6	0.9	13.1
32	Stone, clay, and glass products -----	E1	105	34	2.8	32.9	2.2	4.3	23.3	79.1	95.6	172.9	6.9	4.0	85.7
3272	Concrete products, n.e.c. -----	E1	44	10	0.9	8.9	0.6	1.3	5.9	20.3	15.2	35.5	0.8	1.0	13.1
3273	Ready-mixed concrete --	E2	28	18	0.9	8.8	0.6	1.2	5.3	24.7	38.1	62.9	1.7	1.2	26.1
33	Primary metal industries -----	-	26	16	1.4	15.7	1.1	2.2	10.8	47.5	79.5	126.8	1.6	1.2	28.0
331	Blast furnace and basic steel products -----	-	4	4	0.4	5.7	0.3	0.7	4.1	18.7	42.0	61.2	0.3	(NA)	(NA)
336	Nonferrous foundries -----	-	9	5	0.4	3.1	0.3	0.6	2.3	6.2	4.6	10.4	(D)	(NA)	(NA)
341	Metal cans and shipping containers -----	-	8	6	1.2	23.1	1.1	2.2	19.5	50.7	105.0	158.4	0.9	1.7	39.4
344	Fabricated structural metal products -----	-	82	31	3.8	43.9	2.7	5.3	25.5	130.7	122.7	230.5	9.0	3.8	83.2
3441	Fabricated structural metal -----	-	17	7	0.5	6.2	0.3	0.7	3.5	9.7	17.4	28.3	(D)	0.7	10.9
3442	Metal doors, sash, and trim -----	-	13	7	0.6	6.2	0.5	0.9	4.2	10.7	26.3	36.5	1.9	0.3	3.5
3444	Sheet metal work -----	E2	24	8	0.4	4.5	0.3	0.5	2.7	8.4	12.8	21.0	(D)	1.1	15.1
346	Metal forgings and stampings -----	-	10	4	0.4	3.7	0.3	0.5	2.2	7.4	7.2	14.6	0.1	(NA)	(NA)
347	Metal services, n.e.c. -----	E1	31	7	0.4	3.9	0.3	0.6	2.5	7.4	8.4	15.6	0.3	(NA)	(NA)
3471	Plating and polishing ---	E1	19	5	0.3	2.4	0.2	0.4	1.5	4.2	2.2	6.4	0.2	(NA)	(NA)
35	Machinery, except electrical -	E1	170	23	2.4	31.1	1.6	3.1	18.1	62.3	44.7	106.1	4.0	2.4	35.0
354	Metalworking machinery ---	E1	32	4	0.4	6.2	0.3	0.6	4.6	13.8	3.7	17.2	0.6	0.4	8.7
355	Special industry machinery -----	-	16	3	0.3	4.1	0.2	0.5	2.6	8.9	10.5	19.5	0.3	0.3	4.3
356	General industrial machinery -----	-	23	4	0.8	9.5	0.4	0.8	4.1	15.3	12.7	27.7	1.8	0.5	6.5
3569	General industrial machinery, n.e.c. -----	-	13	3	0.6	7.7	0.3	0.6	3.2	15.6	7.8	23.2	(D)	(NA)	(NA)
358	Refrigeration and service machinery -----	-	13	5	0.4	4.4	0.3	0.5	2.5	10.5	9.5	19.9	0.7	0.3	6.4
359	Miscellaneous machinery, except electrical -----	E2	66	5	0.4	4.2	0.3	0.5	3.0	7.7	3.4	10.9	0.4	0.5	5.7
3599	Machinery, except electrical, n.e.c. -----	E2	66	5	0.4	4.2	0.3	0.5	3.0	7.7	3.4	10.9	0.4	0.5	5.7
36	Electric and electronic equipment -----	-	75	21	9.3	129.8	4.9	8.9	47.5	228.2	113.7	324.7	13.9	9.2	153.0
366	Communication equipment -----	-	18	7	5.8	87.4	2.6	4.7	27.8	138.0	63.1	199.5	5.8	4.9	86.7
367	Electronic components and accessories -----	-	22	9	2.3	29.9	1.3	2.5	11.6	62.0	21.8	66.4	6.1	3.2	45.9
369	Miscellaneous electrical equipment and supplies --	-	12	3	0.5	6.0	0.4	0.8	4.1	15.0	19.9	33.9	1.1	0.5	7.3
37	Transportation equipment ---	E2	105	23	3.2	35.5	2.7	5.3	27.7	62.1	58.7	120.2	2.0	3.0	34.9
373	Ship and boat building and repairing -----	E1	65	16	2.6	28.4	2.2	4.3	22.1	49.9	43.4	93.1	1.3	2.3	25.6
3731	Ship building and repairing -----	-	10	7	1.4	15.8	1.1	2.3	12.8	25.2	18.7	43.9	0.7	0.8	11.0
3732	Boat building and repairing -----	E3	55	9	1.3	12.5	1.1	2.0	9.3	24.7	24.7	49.2	0.6	1.5	14.5
38	Instruments and related products -----	E1	46	9	1.8	18.6	1.3	2.6	12.1	34.9	21.9	59.9	4.2	1.5	20.8
384	Medical instruments and supplies -----	E1	23	4	0.5	5.0	0.3	0.5	1.8	11.3	7.3	18.5	(D)	(NA)	(NA)
3841	Surgical and medical instruments -----	E2	5	2	0.3	2.7	0.1	0.3	0.9	5.2	4.3	9.4	(D)	(NA)	(NA)
39	Miscellaneous manufacturing industries ---	E1	102	10	1.4	12.6	1.0	1.9	7.7	26.2	23.6	49.1	0.7	1.0	10.9
399	Miscellaneous manufactures -----	E1	65	5	0.8	7.7	0.6	1.1	4.8	17.5	15.8	32.8	0.4	0.5	6.8
3993	Signs and advertising displays -----	-	31	3	0.5	5.5	0.4	0.7	3.5	12.2	10.7	22.5	0.2	0.3	4.4
--	Administrative and auxiliary --	-	43	25	2.0	33.5	-	-	-	-	-	-	-	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
208	West Palm Beach-Boca Raton SMSA ----- Sugar and confectionery products -----	- -	566 9	113 7	21.1 1.6	330.8 22.8	9.6 1.3	19.5 2.9	106.4 17.4	399.1 50.4	590.7 139.8	971.3 199.4	48.8 (D)	18.0 1.3	296.8 40.9
23	Apparel and other textile products -----	E3	30	7	0.5	2.6	0.4	0.6	1.9	3.5	2.6	6.0	0.1	0.6	3.8
233	Women's and misses' outerwear -----	E2	11	4	0.3	1.3	0.2	0.3	1.0	1.9	1.4	3.3	(Z)	0.4	2.2
27	Printing and publishing -----	-	105	14	2.1	27.4	0.8	1.7	8.6	75.9	30.9	106.4	2.8	1.1	18.2
275	Commercial printing -----	E2	64	4	0.4	3.7	0.3	0.5	2.5	6.7	4.0	10.6	0.4	(NA)	(NA)
32	Stone, clay, and glass products -----	-	44	9	0.5	6.0	0.3	0.6	3.0	12.3	21.6	33.1	1.2	0.7	12.5
327	Concrete, gypsum, and plaster products -----	-	28	8	0.4	4.9	0.2	0.5	2.3	10.3	19.9	29.5	1.1	0.6	11.4
3674	Semiconductors and related devices -----	E3	5	4	1.0	11.6	0.8	1.5	8.0	17.3	25.6	42.6	(D)	(NA)	(NA)
373	Ship and boat building and repairing -----	E1	16	5	0.6	7.5	0.4	0.8	4.5	11.1	8.6	18.9	(D)	(NA)	(NA)
-	Administrative and auxiliary --	-	14	5	1.5	16.7	-	-	-	-	-	-	-	(NA)	(NA)

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (S) Withheld because estimate did not meet publication standards.

(Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977											1972		
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
24	Alachua County (Coextensive with Gainesville, Fla., SMSA; see table 6.)														
	Bay County (Coextensive with Panama City, Fla., SMSA; see table 6.)														
	Brevard County (Coextensive with Melbourne-Titusville-Cocoa, Fla., SMSA; see table 6.)														
	Broward County (Coextensive with Fort Lauderdale-Hollywood, Fla., SMSA; see table 6.)														
	Calhoun County -----	-	40	4	0.5	4.0	0.4	0.8	3.2	8.5	12.2	20.7	0.8	0.3	4.1
	Collier County -----	-	73	6	0.6	5.3	0.3	0.6	2.5	13.1	7.6	20.3	0.5	0.5	5.3
	Columbia County -----	-	64	17	1.8	15.6	1.4	2.7	10.9	28.3	33.9	61.9	1.8	0.9	13.1
Lumber and wood products --	-	34	8	0.6	5.7	0.5	1.0	4.2	11.5	19.5	30.7	0.7	0.6	9.2	
	Dade County (Coextensive with Miami, Fla., SMSA; see table 6.)														

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies.
For explanation of terms, see appendix B]

Includes counties with 400 employees or more and a primary county. For explanation of terms, see appendix B)															
SIC code	County and industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ² (million dollars)	Value of ship- ments ² (million dollars)	New capital ex- pendi- tures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
2026 2033	Dixie County -----	-	38	4	0.5	4.9	0.5	1.0	3.9	11.0	15.6	26.2	(D)	0.6	9.6
	Duval County (Coextensive with Jacksonville city; see table 8.)	-													
	Escambia County -----	-	177	40	11.2	163.1	7.4	14.3	97.0	383.3	438.5	816.2	(D)	12.5	266.1
	Gadsden County -----	-	49	10	1.0	8.9	0.8	1.6	6.1	22.7	34.0	56.2	0.7	1.2	11.1
	Hendry County -----	-	14	4	0.5	9.2	0.4	0.8	5.6	24.9	56.2	80.9	(D)	(D)	(D)
	Hernando County -----	-	19	7	0.5	4.0	0.4	0.8	3.5	12.1	22.4	32.9	0.7	0.2	3.5
	Highlands County -----	-	35	7	0.6	4.9	0.5	0.9	3.1	13.0	22.1	34.9	1.2	0.6	8.7
	Hillsborough County -----	-	803	251	32.0	372.5	22.4	43.0	219.7	835.6	1 426.0	2 233.8	49.6	33.7	576.6
	Fluid milk -----	-	4	3	0.5	5.9	0.3	0.6	3.0	19.2	54.1	73.1	0.5	(NA)	(NA)
	Canned fruits and vegetables -----	E2	5	4	0.5	2.6	0.5	0.7	2.3	4.6	8.2	12.7	(D)	(NA)	(NA)
21 2121	Tobacco products -----	-	16	6	1.4	8.9	1.2	2.2	7.0	19.1	22.2	41.2	0.2	2.1	18.6
	Cigars -----	-	16	6	1.4	8.9	1.2	2.2	7.0	19.1	22.2	41.2	0.2	(NA)	(NA)
24 243	Lumber and wood products --	E4	53	12	1.1	10.2	0.9	1.7	7.1	16.9	28.4	45.3	1.9	(NA)	(NA)
	Millwork, plywood, and structural members -----	E3	33	8	0.6	5.2	0.5	0.8	3.6	8.0	10.5	18.6	(D)	0.6	6.5
26	Paper and allied products ---	E2	13	8	0.7	8.8	0.6	1.1	5.4	18.3	26.7	44.9	1.0	(NA)	(NA)
27 275	Printing and publishing -----	E1	120	16	2.0	24.3	1.0	2.0	11.3	51.5	23.0	74.5	2.0	2.1	34.0
	Commercial printing -----	E2	83	6	0.5	6.0	0.4	0.8	4.0	10.4	5.7	16.0	0.8	0.7	7.4
32	Stone, clay, and glass products -----	-	41	19	1.8	22.3	1.5	2.9	16.9	50.3	61.7	110.1	5.5	2.3	58.4
327	Concrete, gypsum, and plaster products -----	-	27	16	0.9	9.6	0.7	1.4	6.7	24.8	30.4	55.4	(D)	1.2	26.1
33	Primary metal industries -----	-	18	13	1.3	14.7	1.0	2.1	10.2	44.9	76.7	121.4	1.5	(NA)	(NA)
34 344	Fabricated metal products ---	-	80	28	3.7	55.6	2.6	5.1	36.0	154.7	195.5	331.3	7.8	(NA)	(NA)
	Fabricated structural metal products -----	-	38	20	2.4	31.3	1.5	2.8	16.1	102.0	89.1	169.6	(D)	2.4	64.5
37	Transportation equipment ---	-	35	10	1.1	14.6	0.9	1.9	11.9	26.4	21.2	47.3	0.8	(NA)	(NA)
--	Administrative and auxiliary --	-	35	20	1.6	27.9	-	-	-	-	-	-	-	(NA)	(NA)
	Holmes County -----	-	37	4	0.6	4.1	0.5	0.9	3.1	7.7	6.2	13.9	0.3	0.3	1.7
23	Apparel and other textile products -----	E6	4	4	0.6	3.2	0.5	0.8	2.4	5.5	3.2	8.7	(D)	(NA)	(NA)
	Indian River County -----	-	45	9	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.3	33.8
	Jackson County -----	-	48	15	1.9	15.1	1.6	2.7	11.5	29.5	34.0	61.7	(D)	1.6	18.1
23	Apparel and other textile products -----	E2	3	3	0.8	6.2	0.8	1.1	5.4	8.2	0.9	9.0	(D)	(NA)	(NA)
	Lake County -----	-	105	29	2.2	20.0	1.7	3.5	13.9	74.0	129.3	202.6	5.7	2.2	60.4
20	Food and kindred products --	-	9	6	0.7	6.4	0.6	1.3	5.1	46.0	96.9	142.6	3.8	0.6	39.5
	Lee County (Coextensive with Fort Myers, Fla., SMSA; see table 6.)	-													
	Madison County -----	-	37	6	0.9	7.3	0.8	1.5	5.8	24.4	91.2	114.7	0.9	0.9	16.1
	Manatee County (Coextensive with Bradenton, Fla., SMSA; see table 6.)	-													
	Marion County -----	-	151	44	3.4	34.6	2.7	5.4	22.6	73.1	135.7	208.7	4.9	3.6	61.3
20	Food and kindred products --	-	12	6	0.5	5.6	0.4	0.7	3.8	10.9	52.8	64.6	0.5	0.6	11.1
23	Apparel and other textile products -----	-	6	4	0.5	3.8	0.5	0.9	3.1	5.7	1.7	7.2	(D)	(NA)	(NA)
24 245	Lumber and wood products --	-	37	13	1.0	10.3	0.8	1.6	7.1	18.8	40.0	58.9	0.5	1.2	21.7
	Wood buildings and mobile homes -----	-	9	8	0.5	6.3	0.4	0.7	3.8	10.9	28.0	39.0	0.1	0.7	16.6
2451	Mobile homes -----	-	9	8	0.5	6.3	0.4	0.7	3.8	10.9	28.0	39.0	0.1	(NA)	(NA)
	Martin County -----	-	64	13	1.8	22.5	1.3	2.7	15.0	45.5	44.3	91.3	2.4	1.2	32.2
	Nassau County -----	-	58	12	2.6	39.5	2.1	4.1	30.6	98.9	178.7	279.3	(D)	2.4	72.9
26	Paper and allied products ---	-	4	4	2.1	35.3	1.7	3.4	27.4	83.6	138.6	224.7	(D)	2.1	69.4
	Okaloosa County -----	-	76	15	1.8	17.2	1.4	2.7	10.8	31.2	24.4	55.3	1.7	1.3	19.5

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	E ¹	1977											1972	
			All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Orange County -----	-	573	137	19.6	271.2	10.8	21.4	108.4	680.5	640.3	1 324.0	37.9	20.6	419.2
20	Food and kindred products --	-	40	20	3.6	39.0	2.3	4.9	22.5	166.4	293.5	458.8	11.3	3.7	75.0
2037	Frozen fruits and vegetables -----	-	4	3	0.9	7.7	0.7	1.5	5.7	43.8	104.6	148.4	3.7	(NA)	(NA)
205	Bakery products -----	-	8	4	0.7	10.3	0.4	0.9	5.6	17.6	13.6	31.2	(D)	(NA)	(NA)
26	Paper and allied products ---	-	10	5	1.0	12.2	0.8	1.7	9.7	28.3	63.8	90.9	3.4	(NA)	(NA)
265	Paperboard containers and boxes -----	-	6	5	0.9	11.8	0.8	1.6	9.5	27.3	62.5	88.6	(D)	0.6	14.4
27	Printing and publishing -----	-	122	20	2.5	28.0	1.3	2.4	13.1	69.2	30.9	99.9	2.5	2.1	34.6
275	Commercial printing -----	E2	74	10	0.5	6.5	0.3	0.6	3.6	10.4	8.4	18.7	0.8	(NA)	(NA)
34	Fabricated metal products ---	-	48	11	1.0	15.5	0.8	1.7	11.2	39.0	56.6	93.4	(D)	(NA)	(NA)
	Osceola County -----	-	51	12	0.9	8.1	0.7	1.3	5.5	14.8	16.2	31.3	1.1	1.0	13.1
	Palm Beach County (Coextensive with West Palm Beach-Boca Raton, Fla., SMSA; see table 6.)														
	Pasco County -----	-	83	11	2.5	25.1	2.0	3.8	16.9	150.7	105.1	256.0	(D)	2.3	40.5
	Pinellas County -----	-	867	178	25.2	289.0	16.2	30.8	145.9	571.9	448.9	1 001.6	(D)	23.8	334.4
20	Food and kindred products --	-	26	11	1.3	13.4	0.8	1.7	7.5	48.4	80.9	127.8	1.8	1.5	18.1
23	Apparel and other textile products -----	E2	45	5	0.7	4.6	0.6	1.1	3.4	7.7	7.0	14.9	0.2	(NA)	(NA)
27	Printing and publishing -----	-	149	16	3.0	32.8	1.5	2.6	14.8	72.2	37.2	109.4	5.4	(NA)	(NA)
275	Commercial printing -----	E1	89	8	0.7	7.2	0.5	1.0	5.4	14.6	11.1	25.5	2.7	(NA)	(NA)
2752	Commercial printing, lithographic -----	-	39	5	0.5	5.6	0.4	0.8	4.3	11.3	9.1	20.2	2.5	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	E1	35	10	1.0	9.2	0.8	1.5	6.6	22.3	13.4	35.3	1.7	0.6	8.9
34	Fabricated metal products ---	-	97	30	2.4	23.3	2.1	4.0	16.5	50.3	49.6	98.3	3.0	2.0	27.2
35	Machinery, except electrical --	E1	100	12	1.6	21.6	1.1	2.1	12.5	40.9	28.3	68.6	3.0	1.4	21.0
356	General industrial machinery -----	-	13	3	0.7	8.5	0.4	0.7	3.5	13.6	11.2	24.6	(D)	(NA)	(NA)
36	Electric and electronic equipment -----	-	44	15	7.5	107.4	3.7	6.9	36.7	179.3	68.9	234.4	10.4	7.4	120.1
37	Transportation equipment ---	E2	65	13	2.1	20.9	1.7	3.4	15.7	35.6	37.4	72.8	1.2	1.8	20.0
373	Ship and boat building and repairing -----	E2	46	10	1.8	16.3	1.5	2.8	12.0	28.7	30.1	58.6	0.7	1.4	14.5
39	Miscellaneous manufacturing industries -----	E1	62	5	0.9	8.0	0.6	1.1	4.6	15.8	9.7	25.1	0.4	0.5	3.6
	Polk County (Coextensive with Lakeland-Winter Haven, Pa., SMSA; see table 6.)														
	Putnam County -----	-	65	10	3.0	39.5	2.6	4.9	31.0	90.0	123.3	212.2	8.1	3.2	64.0
	St. Johns County -----	-	37	8	1.2	12.1	1.0	1.7	9.1	21.7	25.9	48.4	(D)	1.2	22.9
	St. Lucie County -----	-	64	16	1.7	21.5	1.0	2.2	11.6	77.4	123.7	202.8	8.0	1.4	26.8
20	Food and kindred products --	-	7	5	0.7	8.9	0.4	1.0	4.7	35.9	53.5	93.4	2.8	0.6	17.1
	Santa Rosa County -----	-	31	7	1.5	15.9	1.3	2.5	12.2	18.7	56.8	76.7	(D)	1.5	32.1
	Sarasota County (Coextensive with Sarasota, Fla., Calif., SMSA; see table 6.)														
	Seminole County -----	-	198	41	4.4	44.0	3.2	6.0	25.3	82.5	138.1	210.5	7.6	3.8	65.5
	Suwannee County -----	-	30	5	1.0	7.5	0.8	1.4	5.0	11.8	30.6	42.4	0.9	1.1	20.2
	Taylor County -----	-	39	15	1.9	25.6	1.5	3.4	19.2	86.9	101.2	185.0	(D)	2.0	39.3
	Volusia County (Coextensive with Daytona Beach, Fla., SMSA; see table 6.)														
	Walton County -----	-	18	5	0.6	3.9	0.5	1.0	2.9	8.3	24.9	33.2	0.5	0.4	4.7

Note: "County" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹ Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

Includes cities with 400 employees or more and more than one establishment. For explanation of terms, see appendix B)															
SIC code	City and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
28	Auburndale -----	-	15	9	1.5	16.8	1.2	2.8	12.0	59.7	159.1	218.5	5.0	1.5	57.2
	Bartow -----	-	31	18	2.4	32.7	1.9	4.0	24.8	100.3	400.2	487.1	25.1	1.4	31.2
	Chemicals and allied products -----	-	7	6	1.2	18.8	0.9	2.0	13.6	72.2	311.9	372.1	(D)	(NA)	(NA)
	Belle Glade -----	-	15	4	0.6	6.5	0.4	0.7	4.1	8.7	33.0	43.9	(D)	0.7	15.0
	Boca Raton -----	-	70	9	2.9	82.2	0.8	1.7	9.6	79.6	102.1	175.4	(D)	(D)	(D)
	Cape Canaveral -----	-	19	7	1.7	24.7	1.3	2.4	11.7	48.3	10.3	58.5	(D)	2.2	58.0
34	Clearwater -----	-	115	20	2.4	22.5	1.8	3.7	14.8	50.7	42.6	93.1	1.8	2.6	41.1
	Fabricated metal products ---	-	14	4	0.7	6.4	0.7	1.6	5.2	15.7	8.1	23.6	0.5	0.8	10.4
	Cocoa Beach -----	-	13	4	0.8	14.9	(Z)	0.1	0.4	9.6	0.7	10.2	(Z)	(D)	(D)
	Cocoa -----	-	43	5	0.6	6.1	0.2	0.4	2.4	14.6	8.4	22.9	0.8	0.6	8.2
	Coral Gables -----	-	59	14	0.8	12.3	0.6	1.1	6.3	24.0	21.1	44.0	1.3	1.4	15.2
	Daytona Beach -----	-	80	16	2.9	33.6	1.6	3.2	13.3	65.4	34.1	98.6	4.5	2.3	25.6
27	Printing and publishing -----	-	24	3	0.6	6.3	0.3	0.5	3.0	12.7	5.9	18.4	(D)	(NA)	(NA)
	Deerfield Beach -----	-	27	7	0.5	5.0	0.4	0.6	3.4	10.8	14.3	25.2	0.4	0.8	9.5
	De Land -----	-	40	9	1.6	16.9	1.2	2.3	10.9	54.0	25.6	80.1	2.6	1.5	23.9
	Delray Beach -----	-	23	1	1.3	12.9	0.1	0.2	0.9	2.6	2.5	4.8	0.3	(NA)	(NA)
	Fort Lauderdale -----	-	363	54	9.9	121.9	6.6	13.9	62.8	370.6	192.8	546.7	23.1	7.3	127.0
	Printing and publishing -----	-	70	5	1.3	16.1	0.6	1.1	7.1	38.8	16.1	54.9	(D)	1.5	27.7
34	Fabricated metal products ---	E1	46	6	0.5	5.6	0.4	0.7	3.6	10.2	8.9	19.1	0.7	(NA)	(NA)
35	Machinery, except electrical --	-	44	8	0.7	9.1	0.4	0.9	4.7	35.2	17.3	46.7	1.5	0.6	13.8
37	Transportation equipment ---	-	32	10	0.5	5.3	0.4	0.8	3.6	10.2	9.1	19.0	0.6	0.5	6.9
	Fort Myers -----	-	106	27	2.3	22.8	1.5	2.8	12.7	56.6	50.1	105.8	4.5	1.8	25.8
32	Stone, clay, and glass products -----	-	16	8	0.5	5.3	0.4	0.8	3.8	13.1	12.8	25.1	1.9	(NA)	(NA)
	Fort Walton Beach -----	-	37	6	0.7	6.4	0.5	1.1	4.2	12.4	9.3	21.2	0.5	0.5	8.4
	Gainesville -----	-	83	18	1.3	12.5	0.8	1.4	5.7	37.6	42.7	80.5	(D)	1.7	26.8
	Graceville -----	-	9	3	0.5	3.2	0.5	0.9	2.8	8.6	11.6	18.8	(D)	0.6	7.8
	Hallandale -----	-	75	12	0.9	8.3	0.7	1.2	4.8	17.2	15.4	32.4	0.7	0.7	9.0
	Hialeah -----	-	892	294	23.7	206.9	19.7	36.0	141.6	440.0	454.2	886.6	21.6	23.8	322.2
20	Food and kindred products --	E4	28	10	0.7	7.9	0.5	0.9	4.6	20.8	48.0	68.8	0.3	(NA)	(NA)
22	Textile mill products -----	E2	34	16	1.3	10.3	1.1	2.3	8.2	19.2	29.9	48.8	1.7	2.1	37.3
225	Knitting mills -----	E2	21	12	0.8	6.9	0.7	1.5	5.4	12.1	20.5	32.4	1.5	(NA)	(NA)
23	Apparel and other textile products -----	E3	312	123	8.5	56.5	7.6	12.9	43.7	105.7	81.9	185.8	2.3	7.6	69.5
232	Men's and boys' furnishings -----	E3	19	10	0.6	3.8	0.6	1.0	3.1	7.2	7.2	14.0	0.2	(NA)	(NA)
233	Women's and misses' outerwear -----	E4	232	84	5.7	37.2	5.1	8.8	28.1	65.5	42.9	107.5	1.0	(NA)	(NA)
2331	Women's and misses' blouses and waists -----	E1	20	12	0.5	3.2	0.5	0.8	2.5	5.5	4.6	10.0	0.1	(NA)	(NA)
2335	Women's and misses' dresses -----	E6	164	46	2.9	17.9	2.6	4.5	14.0	29.8	18.5	48.4	0.6	(NA)	(NA)
2337	Women's and misses' suits and coats -----	-	17	10	1.2	8.4	1.1	1.9	6.6	15.3	6.2	21.3	0.1	(NA)	(NA)
2339	Women's and misses' outerwear, n.e.c. -----	E4	31	16	1.0	7.7	0.9	1.6	5.0	14.9	13.6	27.9	0.2	(NA)	(NA)
25	Furniture and fixtures -----	E3	72	16	1.0	9.5	0.9	1.7	6.6	17.4	15.7	32.6	0.6	1.8	18.4
251	Household furniture -----	E3	44	9	0.6	5.2	0.6	1.1	3.8	9.7	10.1	19.5	0.4	(NA)	(NA)
27	Printing and publishing -----	E1	81	19	1.1	12.8	0.8	1.5	8.6	25.4	19.9	45.3	1.1	1.4	18.4
275	Commercial printing -----	E2	53	11	0.7	7.8	0.5	0.9	5.6	14.1	12.6	26.7	0.8	(NA)	(NA)

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Hialeah—Con.														
28	Chemicals and allied products -----	E1	22	5	0.6	7.4	0.4	0.9	3.7	22.4	18.3	40.2	0.7	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	E1	37	11	1.4	9.5	1.3	2.2	7.5	19.7	21.3	39.9	4.9	0.8	13.5
34	Fabricated metal products ---	E1	73	29	2.6	25.0	2.1	3.9	16.5	52.0	51.0	102.1	2.3	2.8	34.7
344	Fabricated structural metal products -----	E1	31	17	1.2	11.5	0.9	1.8	6.8	22.8	22.4	45.1	0.8	(NA)	(NA)
3442	Metal doors, sash, and trim -----	E1	11	10	0.8	7.7	0.6	1.2	4.6	13.6	13.8	27.5	0.3	(NA)	(NA)
349	Miscellaneous fabricated metal products -----	-	13	6	0.5	4.9	0.4	0.7	3.2	9.5	9.8	19.0	0.5	(NA)	(NA)
35	Machinery, except electrical --	E1	60	10	0.7	8.2	0.5	1.1	5.1	22.8	19.8	42.6	1.0	0.6	10.9
36	Electric and electronic equipment -----	-	29	8	1.7	21.8	1.3	2.5	12.9	62.5	42.7	104.7	(D)	1.4	43.5
39	Miscellaneous manufacturing industries -----	E4	28	12	1.0	7.7	0.8	1.4	5.1	14.3	10.9	24.0	3.7	0.5	5.9
399	Miscellaneous manufactures -----	E1	15	5	0.5	4.1	0.4	0.7	2.6	5.8	4.1	9.9	0.1	(NA)	(NA)
	Hollywood -----	-	187	30	3.4	36.8	2.3	4.6	22.0	70.8	53.4	122.5	9.7	2.9	40.8
27	Printing and publishing -----	-	37	4	1.0	11.3	0.7	1.4	7.2	21.9	14.1	35.9	(D)	0.9	16.5
275	Commercial printing -----	-	24	3	0.6	9.0	0.5	1.1	6.6	15.7	12.0	27.8	(D)	(NA)	(NA)
36	Electric and electronic equipment -----	E4	10	4	0.7	9.2	0.4	0.9	4.4	16.9	8.3	24.5	1.0	(NA)	(NA)
	Jacksonville -----	-	652	218	25.5	315.7	18.1	36.3	204.9	775.3	1 695.0	2 455.2	52.6	(NA)	(NA)
20	Food and kindred products --	-	51	35	5.0	63.0	3.2	6.3	37.7	262.5	1 039.3	1 297.4	(D)	(NA)	(NA)
2026	Fluid milk -----	-	6	6	0.6	6.2	0.4	0.7	3.5	20.1	45.0	65.0	1.0	(NA)	(NA)
24	Lumber and wood products --	-	63	17	1.0	10.0	0.9	1.8	7.5	28.1	62.6	88.8	(D)	(NA)	(NA)
25	Furniture and fixtures -----	E1	35	10	0.7	6.6	0.6	1.1	4.9	12.5	10.8	23.4	0.5	(NA)	(NA)
26	Paper and allied products ---	-	28	18	2.8	40.3	2.2	4.5	30.9	78.5	166.7	243.7	(D)	(NA)	(NA)
265	Paperboard containers and boxes -----	-	11	8	0.8	9.4	0.6	1.1	6.2	19.4	40.2	59.6	0.6	(NA)	(NA)
27	Printing and publishing -----	-	118	25	2.3	26.8	1.3	2.8	13.6	58.1	32.9	90.8	(D)	(NA)	(NA)
275	Commercial printing -----	E1	71	14	0.7	8.5	0.5	1.1	5.2	13.8	11.4	25.1	0.7	(NA)	(NA)
327	Concrete, gypsum, and plaster products -----	-	25	14	0.9	10.5	0.7	1.5	7.1	25.6	29.9	55.7	(D)	(NA)	(NA)
3315	Steel wire and related products -----	-	6	6	0.7	7.5	0.5	1.2	5.7	17.6	37.3	54.4	(D)	(NA)	(NA)
34	Fabricated metal products ---	-	54	17	1.7	25.0	1.3	2.7	17.0	63.2	101.6	162.9	(D)	(NA)	(NA)
3441	Fabricated structural metal -----	-	8	5	0.5	7.0	0.3	0.7	3.6	9.5	19.5	29.9	0.2	(NA)	(NA)
35	Machinery, except electrical --	E1	53	15	1.2	16.2	0.9	1.6	9.6	32.6	22.1	53.7	(D)	(NA)	(NA)
37	Transportation equipment ---	-	37	13	3.1	39.5	2.8	5.4	34.4	65.9	35.1	100.9	(D)	(NA)	(NA)
-	Administrative and auxiliary --	-	21	8	0.9	12.8	-	-	-	-	-	-	-	(NA)	(NA)
	Lake City -----	-	57	14	0.9	7.8	0.7	1.3	5.2	15.2	25.5	40.3	1.5	0.8	11.3
	Lakeland -----	-	98	28	3.5	41.7	2.5	5.1	26.5	103.6	121.4	223.9	7.5	2.4	40.4
20	Food and kindred products --	-	6	4	0.6	8.2	0.3	0.8	4.0	19.7	28.7	48.4	1.5	(NA)	(NA)
32	Stone, clay, and glass products -----	-	12	7	0.7	9.5	0.6	1.2	6.8	25.9	12.9	39.3	(D)	1.0	20.0
	Lake Park -----	-	47	11	0.6	6.3	0.5	1.0	4.3	12.8	15.4	28.1	1.0	0.5	5.3
	Lake Wales -----	-	21	8	1.2	11.2	1.0	2.2	9.1	16.4	77.1	93.3	1.0	0.6	6.6
	Lantana -----	-	12	3	0.7	13.2	0.2	0.8	4.2	42.4	24.5	66.1	(D)	(NA)	(NA)
	Largo -----	-	69	12	1.0	8.8	0.8	1.4	5.4	15.2	14.6	29.9	0.6	0.8	10.3
	Leesburg -----	-	35	14	1.2	10.5	1.0	2.0	7.4	54.8	71.3	125.7	2.3	1.2	45.8
	Marianna -----	-	22	9	1.0	9.5	0.8	1.3	6.8	17.0	13.7	30.0	1.8	0.8	8.4
	Melbourne -----	-	71	15	4.4	70.0	1.4	2.6	13.3	129.6	64.3	189.8	14.3	0.6	7.2

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

Includes cities with 450 employees or more and 100 or more employees in each group. For explanation of terms, see appendix B)															
SIC code	City and industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Miami -----	-	1 085	210	20.7	203.9	15.1	28.3	114.3	460.6	404.2	860.6	21.0	25.6	378.5
20 205 209	Food and kindred products --	E1	87	27	2.6	29.3	1.6	3.2	14.3	100.9	155.2	255.0	7.5	4.4	78.0
	Bakery products -----	E3	24	5	0.6	7.3	0.3	0.7	3.8	15.7	10.4	26.1	0.8	(NA)	(NA)
	Miscellaneous foods and kindred products -----	E2	30	12	0.8	7.0	0.6	1.1	3.9	14.2	40.1	54.4	0.7	(NA)	(NA)
23	Apparel and other textile products -----	E2	363	104	7.5	47.5	6.5	11.2	36.2	84.2	71.4	154.9	1.2	7.4	62.0
232	Men's and boys' furnishings -----	E1	30	19	1.6	9.6	1.4	2.6	7.5	17.8	20.9	38.7	0.3	(NA)	(NA)
2321	Men's and boys' shirts and nightwear -----	E1	15	10	1.1	7.1	1.0	1.8	5.2	14.6	19.8	34.4	0.2	(NA)	(NA)
233	Women's and misses' outerwear -----	E3	256	62	4.3	26.8	3.7	6.1	20.4	47.5	34.6	81.5	0.7	(NA)	(NA)
2337	Women's and misses' suits and coats -----	E1	13	5	0.5	2.8	0.5	0.7	2.4	4.4	1.2	5.6	(Z)	(NA)	(NA)
236	Children's outerwear -----	E2	18	11	0.8	5.3	0.7	1.3	4.1	8.4	7.3	15.7	0.1	(NA)	(NA)
2369	Children's outerwear, n.e.c. -----	-	9	7	0.5	3.9	0.4	0.9	3.0	6.0	5.4	11.3	0.1	(NA)	(NA)
239	Miscellaneous fabricated textile products -----	E3	50	7	0.5	3.8	0.5	0.8	2.8	6.9	5.5	12.2	0.2	(NA)	(NA)
24	Lumber and wood products --	E1	34	2	0.5	4.7	0.4	0.7	3.0	10.6	14.1	24.7	0.4	(NA)	(NA)
25	Furniture and fixtures -----	E3	53	12	0.8	7.2	0.6	1.2	4.6	12.7	9.2	21.6	(D)	0.8	9.5
27	Printing and publishing -----	-	196	17	3.4	45.4	1.7	3.1	19.7	118.7	57.1	175.7	3.9	3.9	89.5
28	Chemicals and allied products -----	-	21	4	0.7	8.9	0.4	1.0	3.8	25.7	11.5	36.5	0.8	0.5	16.6
36	Electric and electronic equipment -----	-	21	3	1.8	24.9	1.3	2.8	11.6	43.1	23.7	64.9	(D)	1.6	22.6
38	Instruments and related products -----	E1	18	4	0.5	5.9	0.4	0.7	2.5	11.8	6.2	18.1	0.4	(NA)	(NA)
39	Miscellaneous manufacturing industries -----	E4	91	7	0.5	4.8	0.4	0.8	3.0	10.3	10.3	20.6	0.2	0.7	8.2
24	Miami Springs -----	-	22	6	0.6	6.1	0.4	0.8	3.8	13.4	15.0	28.2	0.4	0.5	7.3
	Mulberry -----	-	19	11	1.4	20.4	1.0	2.3	13.5	42.0	158.9	200.1	4.9	(NA)	(NA)
	Naples -----	-	51	6	0.5	4.7	0.3	0.5	2.1	12.0	6.5	18.2	0.5	0.5	4.8
	North Miami Beach -----	-	65	7	0.6	7.5	0.4	0.9	4.0	19.4	28.4	47.1	0.6	1.1	16.9
	North Miami -----	-	83	7	0.6	7.2	0.4	0.8	4.1	13.2	11.6	24.2	0.6	1.4	21.3
	Oakland Park -----	-	203	21	1.6	16.2	1.2	2.2	10.1	33.1	26.8	59.2	2.8	2.0	28.1
	Ocala -----	-	116	37	3.0	30.2	2.4	4.7	19.9	63.1	121.6	184.7	4.2	3.1	53.4
	Lumber and wood products --	-	25	11	0.8	9.0	0.7	1.4	6.2	17.1	35.7	52.9	0.4	0.8	16.3
	Opa-Locka -----	-	145	37	2.9	26.1	2.3	4.4	18.9	67.3	48.8	115.4	3.6	2.8	36.4
	Orlando -----	-	236	61	6.8	82.6	3.8	7.5	39.7	218.7	238.5	456.2	12.3	13.2	282.9
20 208	Food and kindred products --	-	21	10	2.1	25.5	1.2	2.5	13.7	100.0	138.4	237.5	6.4	2.0	40.2
	Beverages -----	-	4	3	0.6	7.5	0.3	0.7	3.5	30.7	48.2	78.2	(D)	(NA)	(NA)
27	Printing and publishing -----	-	62	11	1.8	20.4	0.9	1.6	9.1	45.2	20.6	65.7	1.6	1.6	28.4
34	Fabricated metal products ---	-	23	7	0.5	6.6	0.4	0.7	3.9	13.3	13.4	26.8	0.5	0.7	11.4
34	Ormond Beach -----	-	31	8	0.5	4.1	0.3	0.6	2.5	11.1	10.5	21.3	0.5	(NA)	(NA)
	Palatka -----	-	44	9	2.9	38.3	2.5	4.7	30.2	86.8	120.9	206.7	(D)	3.0	60.1
	Palm Bay -----	-	14	4	3.1	35.2	2.1	4.4	19.3	83.9	28.3	107.7	5.7	(D)	(D)
	Pembroke Park -----	-	22	8	0.6	6.0	0.4	0.8	4.1	9.8	13.3	22.9	0.9	0.6	8.5
	Pinellas Park -----	-	49	10	1.1	12.9	0.7	1.4	6.6	26.8	19.0	44.8	1.9	1.2	12.6
	Plantation -----	-	28	7	0.8	14.5	0.3	0.7	3.5	13.1	11.9	26.1	0.9	1.1	20.8
	Pompano Beach -----	-	156	37	2.3	25.8	1.6	3.2	15.9	54.5	48.5	101.0	3.3	2.9	35.5
	Fabricated metal products ---	E3	25	8	0.5	5.4	0.3	0.7	3.4	10.0	14.3	24.0	0.3	1.1	7.3
	Quincy -----	-	31	8	0.7	6.3	0.5	1.0	3.9	15.6	25.4	40.5	0.4	0.8	6.9
	Riviera Beach -----	-	41	11	1.3	14.3	0.8	1.7	8.5	30.0	23.0	52.5	1.2	0.8	14.8
20	St. Augustine -----	-	24	6	1.0	10.0	0.8	1.4	7.6	17.7	19.4	37.1	(D)	0.9	19.3
	St. Petersburg -----	-	237	45	7.4	83.2	4.4	8.1	42.2	168.9	141.9	310.5	13.7	10.6	163.8
	Food and kindred products --	-	10	6	0.8	8.3	0.4	0.8	4.0	27.4	47.2	74.5	1.2	0.5	9.5
36	Electric and electronic equipment -----	-	9	5	1.9	24.0	1.3	2.2	12.6	46.4	21.1	68.0	5.0	(NA)	(NA)

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital ex- pend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
27	Sanford -----	-	53	18	1.2	11.1	0.9	1.6	7.1	23.4	34.4	57.6	1.5	0.8	11.3
	Sarasota -----	-	170	29	2.6	28.8	1.7	3.3	16.1	61.3	47.0	106.8	3.5	2.2	31.4
	Printing and publishing -----	E1	34	3	0.6	6.4	0.2	0.4	2.4	12.6	5.1	17.7	0.4	0.5	7.4
	Stuart -----	-	30	7	1.2	16.0	0.9	1.8	10.2	29.4	15.8	46.2	1.3	0.7	24.1
27	Tallahassee -----	-	52	10	1.2	12.3	0.8	1.4	6.8	22.9	24.7	47.5	2.5	1.5	21.0
	Printing and publishing -----	-	28	2	0.5	5.3	0.3	0.5	2.6	13.3	5.2	18.3	(D)	(NA)	(NA)
2026	Tampa -----	-	576	179	22.1	259.9	14.9	28.1	148.9	543.7	905.9	1 433.5	32.8	25.0	438.4
209	Fluid milk -----	-	4	3	0.5	5.9	0.3	0.6	3.0	19.2	54.1	73.1	0.5	(NA)	(NA)
2092	Miscellaneous foods and kindred products -----	E4	24	8	2.0	12.5	1.6	2.6	8.2	26.0	70.6	96.1	2.1	(NA)	(NA)
	Fresh or frozen packaged fish -----	E4	8	7	1.9	11.2	1.5	2.5	7.7	22.1	62.1	83.9	1.8	(NA)	(NA)
23	Apparel and other textile products -----	E2	30	14	1.7	11.2	1.3	2.3	7.8	15.5	24.7	39.0	0.7	(NA)	(NA)
24	Lumber and wood products --	E5	31	6	0.6	5.9	0.5	0.9	3.8	9.5	16.8	26.2	1.5	0.8	7.9
275	Commercial printing -----	E2	59	8	0.5	5.6	0.4	0.7	3.7	9.4	5.2	14.5	0.8	(NA)	(NA)
28	Chemicals and allied products -----	-	33	12	0.8	10.1	0.5	1.1	5.6	43.4	99.9	143.6	4.5	1.2	31.7
32	Stone, clay, and glass products -----	-	19	11	1.3	17.2	1.1	2.2	13.6	39.5	50.6	88.4	5.0	1.7	46.0
344	Fabricated structural metal products -----	-	26	14	1.9	26.2	1.2	2.2	12.7	93.8	79.7	151.9	(D)	(NA)	(NA)
35	Machinery, except electrical --	-	49	8	0.6	7.2	0.4	0.8	4.2	16.1	12.0	28.0	0.8	(NA)	(NA)
37	Transportation equipment ---	E1	27	7	0.9	13.2	0.8	1.6	10.8	23.7	16.7	40.2	(D)	0.9	11.6
373	Ship and boat building and repairing -----	-	14	5	0.8	11.8	0.7	1.5	10.0	20.9	13.0	33.8	0.6	(NA)	(NA)
-	Administrative and auxiliary --	-	29	17	1.5	24.9	-	-	-	-	-	-	-	(NA)	(NA)
20	Tarpon Springs -----	-	32	9	0.7	8.0	0.6	1.0	5.2	21.9	20.0	42.4	1.8	0.8	11.1
	Titusville -----	-	42	7	1.6	19.7	1.2	2.4	12.2	18.9	42.0	93.5	0.6	0.6	13.9
	West Palm Beach -----	-	143	29	2.9	31.6	1.6	3.0	14.2	62.6	42.3	105.4	3.6	2.6	34.4
	Winter Haven -----	-	48	10	1.3	13.9	1.0	1.9	8.7	56.6	78.3	134.4	6.5	0.9	19.4
20	Food and kindred products --	-	7	5	0.8	7.4	0.7	1.3	5.7	45.0	55.6	100.4	(D)	(NA)	(NA)

Note: "City" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
FLORIDA	12399	822	49	119	1279	1315	546	156	1967	464	59	414	80	700	110	976	1049	506	668	246	669	205
1 TO 4 EMPLOYEES	6087	283	28	55	535	777	273	39	1254	182	24	186	32	303	37	405	554	209	315	128	414	54
5 TO 9 EMPLOYEES	1838	121	5	10	184	191	86	24	267	80	12	70	10	92	10	160	173	82	98	30	96	37
10 TO 19 EMPLOYEES	1559	193	5	20	167	138	65	21	200	64	10	51	12	117	14	143	134	56	86	36	85	42
20 TO 49 EMPLOYEES	1539	124	2	17	219	122	74	21	157	72	10	62	10	132	21	148	112	54	83	19	45	38
50 TO 99 EMPLOYEES	682	78	3	11	103	59	30	17	51	25	2	31	10	36	11	63	41	31	34	11	14	21
100 TO 249 EMPLOYEES	456	76	1	4	58	27	15	21	21	12	1	8	4	13	14	45	24	38	27	15	15	7
250 TO 499 EMPLOYEES	145	34	4	1	12	1	3	4	8	12	1	3	4	4	2	8	7	16	14	4	3	4
500 TO 999 EMPLOYEES	60	11	1	1	1	1	1	1	5	5	1	2	1	3	1	4	2	10	8	3	1	1
1000 TO 2499 EMPLOYEES	27	2	1	1	1	1	1	1	4	1	1	1	1	1	1	1	2	2	3	1	1	1
2500 EMPLOYEES AND OVER	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ALACHUA COUNTY	120	8	1	1	2	22	5	3	24	6	1	1	1	11	1	4	10	8	3	7	6	1
1 TO 4 EMPLOYEES	91	4	1	1	2	16	5	2	21	4	1	1	1	8	1	4	5	5	2	7	6	1
5 TO 9 EMPLOYEES	20	3	1	1	1	5	1	1	1	2	1	1	1	3	1	1	2	1	1	1	1	1
10 TO 19 EMPLOYEES	20	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
20 TO 99 EMPLOYEES	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
100 TO 249 EMPLOYEES	15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
250 EMPLOYEES AND OVER	14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BAKER COUNTY	15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1 TO 4 EMPLOYEES	14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5 TO 9 EMPLOYEES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10 TO 19 EMPLOYEES	95	9	1	1	4	23	1	1	11	3	1	1	1	6	1	10	7	1	11	2	5	1
20 TO 49 EMPLOYEES	76	8	1	1	3	22	1	1	9	2	1	1	1	3	1	6	7	1	10	2	3	1
50 TO 99 EMPLOYEES	14	1	1	1	1	1	1	1	1	1	1	1	1	3	1	3	1	1	1	1	1	1
100 TO 249 EMPLOYEES	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
250 EMPLOYEES AND OVER	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BRADFORD COUNTY	23	1	1	1	2	10	2	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1
1 TO 4 EMPLOYEES	18	1	1	1	1	10	2	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1
5 TO 9 EMPLOYEES	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10 TO 19 EMPLOYEES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20 TO 99 EMPLOYEES	296	13	1	1	9	17	3	2	33	10	2	18	1	17	2	19	39	35	32	10	32	3
1 TO 4 EMPLOYEES	233	8	1	1	9	17	3	2	30	6	2	17	1	15	2	17	29	19	19	6	30	2
5 TO 9 EMPLOYEES	42	5	1	1	1	1	1	1	2	4	1	1	1	2	1	2	8	7	7	2	2	1
10 TO 19 EMPLOYEES	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	1	2	1	1
20 TO 99 EMPLOYEES	15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	6	5	2	1	1
100 TO 249 EMPLOYEES	1480	49	1	15	133	72	88	14	255	42	11	65	3	74	8	160	182	88	91	44	73	13
1 TO 4 EMPLOYEES	1206	42	1	14	111	59	80	13	231	36	8	50	3	59	5	125	145	57	64	34	64	6
5 TO 9 EMPLOYEES	223	5	1	1	21	13	7	1	20	5	3	14	1	13	2	33	28	18	20	5	8	1
10 TO 19 EMPLOYEES	33	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	5	8	5	3	1	1
20 TO 49 EMPLOYEES	18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	5	2	2	1	1
50 TO 99 EMPLOYEES	40	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
100 TO 249 EMPLOYEES	36	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
250 EMPLOYEES AND OVER	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CALHOUN COUNTY	33	5	1	1	1	33	1	1	7	2	2	1	1	5	1	2	2	2	2	2	2	1
1 TO 4 EMPLOYEES	30	3	1	1	1	31	1	1	6	1	1	1	1	5	1	2	2	2	2	2	2	1
5 TO 9 EMPLOYEES	3	1	1	1	1	2	1	1	1	1	1	1	1	5	1	2	2	2	2	2	2	1
10 TO 19 EMPLOYEES	1	1	1	1	1	1	1	1	1	1	1	1	1	5	1	2	2	2	2	2	2	1
20 TO 99 EMPLOYEES	29	3	1	1	1	3	1	1	5	2	2	1	1	4	1	1	2	2	2	2	2	1
100 TO 249 EMPLOYEES	26	3	1	1	1	3	1	1	4	2	2	1	1	4	1	1	2	2	2	2	2	1
250 EMPLOYEES AND OVER	35	4	1	1	1	17	1	1	6	1	1	2	1	4	1	1	2	2	2	2	2	1
CLAY COUNTY	29	3	1	1	1	17	1	1	6	1	1	2	1	4	1	1	2	2	2	2	2	1
1 TO 4 EMPLOYEES	26	3	1	1	1	17	1	1	5	1	1	2	1	4	1	1	2	2	2	2	2	1
5 TO 9 EMPLOYEES	1	1	1	1	1	1	1	1	1	1	1	1	1	4	1	1	2	2	2	2	2	1
10 TO 19 EMPLOYEES	35	4	1	1	1	17	1	1	6	1	1	2	1	4	1	1	2	2	2	2	2	1
20 TO 49 EMPLOYEES	29	3	1	1	1	17	1	1	5	1	1	2	1	4	1	1	2	2	2	2	2	1
50 TO 99 EMPLOYEES	1	1	1	1	1	1	1	1	1	1	1	1	1	4	1	1	2	2	2	2	2	1
100 TO 249 EMPLOYEES	73	5	1	1	6	8	2	2	12	1	1	1	1	6	1	9	5	1	7	7	6	3
250 EMPLOYEES AND OVER	67	5	1	1	6	8	2	2	10	1	1	1	1	6	1	7	4	1	7	7	6	2
COLLIER COUNTY	64	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1 TO 4 EMPLOYEES	47	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5 TO 9 EMPLOYEES	14	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10 TO 19 EMPLOYEES	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20 TO 49 EMPLOYEES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
50 TO 99 EMPLOYEES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
100 TO 249 EMPLOYEES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
250 EMPLOYEES AND OVER	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977—Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
DADE COUNTY.	3410	201	27	77	842	116	213	46	511	108	7	117	49	98	33	227	190	118	127	56	200	47
1 TO 19 EMPLOYEES.	2522	130	25	47	548	99	155	29	447	86	6	83	29	72	20	149	160	89	99	42	169	38
20 TO 99 EMPLOYEES.	731	51	2	24	257	14	48	13	60	19	1	28	12	23	10	62	27	19	20	8	24	9
100 TO 249 EMPLOYEES.	118	16	-	4	31	2	9	4	2	1	-	2	3	2	3	12	3	6	7	4	7	-
250 EMPLOYEES AND OVER.	39	4	-	2	6	1	1	-	2	2	-	4	5	1	-	4	-	4	1	2	-	-
DE SOTO COUNTY.	11	3	-	-	-	1	-	-	1	1	-	-	-	-	-	-	2	1	-	2	-	-
1 TO 19 EMPLOYEES.	9	2	-	-	-	1	-	-	1	1	-	-	-	-	-	-	2	-	-	2	-	-
20 TO 99 EMPLOYEES.	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
DIXIE COUNTY.	38	1	-	-	-	34	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	34	1	-	-	-	31	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	4	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DUVAL COUNTY.	669	51	1	3	24	63	38	28	122	37	6	19	3	36	12	55	53	17	38	6	36	21
1 TO 19 EMPLOYEES.	453	16	-	3	20	46	28	10	97	25	4	14	2	20	2	38	38	14	25	5	33	13
20 TO 99 EMPLOYEES.	158	20	-	-	3	15	8	10	23	9	2	5	-	13	4	11	12	3	9	1	3	7
100 TO 249 EMPLOYEES.	40	10	-	-	1	2	2	6	1	1	-	-	1	2	5	5	2	-	2	-	-	-
250 EMPLOYEES AND OVER.	18	5	1	-	-	-	-	2	1	2	-	-	-	1	1	1	1	-	-	-	-	1
ESCAMBIA COUNTY.	177	21	-	3	6	37	6	4	26	6	-	4	-	16	-	8	7	5	10	1	10	7
1 TO 19 EMPLOYEES.	137	12	-	3	6	30	6	1	22	2	-	4	-	11	-	6	5	4	9	1	10	5
20 TO 99 EMPLOYEES.	27	6	-	-	-	6	-	-	3	1	-	-	-	4	-	1	2	1	1	-	-	1
100 TO 249 EMPLOYEES.	4	3	-	-	-	1	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	9	-	-	-	-	-	-	2	1	-	-	-	-	1	-	1	-	-	-	-	-	1
FLAGLER COUNTY.	15	-	-	-	-	10	-	-	2	-	-	-	-	-	-	1	-	-	-	1	1	-
1 TO 19 EMPLOYEES.	14	-	-	-	-	9	-	-	2	-	-	-	-	-	-	1	-	-	-	1	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FRANKLIN COUNTY.	33	25	-	1	-	2	-	-	1	-	-	1	-	2	-	-	-	-	1	-	-	-
1 TO 19 EMPLOYEES.	29	21	-	1	-	2	-	-	1	-	-	1	-	2	-	-	-	-	1	-	-	-
20 TO 99 EMPLOYEES.	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GADSDEN COUNTY.	49	4	4	-	3	13	2	-	5	1	1	-	-	6	1	1	2	-	2	-	4	-
1 TO 19 EMPLOYEES.	39	3	3	-	2	12	-	-	5	1	1	-	-	5	-	1	2	-	2	-	2	-
20 TO 99 EMPLOYEES.	7	1	-	-	1	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GILCHRIST COUNTY.	4	-	-	-	-	2	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	4	-	-	-	-	2	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-
GLADES COUNTY.	2	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	1	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GULF COUNTY.	17	2	-	-	-	7	-	2	2	3	-	-	-	1	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	13	2	-	-	-	7	-	-	2	2	-	-	-	1	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	3	-	-	-	-	-	-	1	-	1	-	-	-	1	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HAMILTON COUNTY.	20	3	-	-	1	10	-	-	2	2	-	-	-	-	-	1	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	16	3	-	-	-	9	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-	1
20 TO 99 EMPLOYEES.	2	-	-	-	1	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1
100 TO 249 EMPLOYEES.	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
HARDEE COUNTY.	20	4	-	-	-	10	-	-	2	2	-	-	-	-	-	-	2	-	-	-	-	-
1 TO 19 EMPLOYEES.	17	3	-	-	-	9	-	-	2	1	-	-	-	-	-	-	2	-	-	-	-	-
20 TO 99 EMPLOYEES.	3	1	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
HENDRY COUNTY.	14	4	-	-	1	2	-	-	2	-	-	1	-	-	-	-	2	-	-	-	-	2
1 TO 19 EMPLOYEES.	10	1	-	-	1	2	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	1
20 TO 99 EMPLOYEES.	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
100 TO 249 EMPLOYEES.	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
250 EMPLOYEES AND OVER.	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
HERNANDO COUNTY.	19	1	-	-	1	3	3	-	2	-	-	-	-	5	-	-	2	1	1	-	-	-
1 TO 19 EMPLOYEES.	12	1	-	-	1	3	2	-	1	-	-	-	-	3	-	-	2	-	1	-	-	-
20 TO 99 EMPLOYEES.	6	1	-	-	1	-	-	-	1	-	-	-	-	2	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Counties: 1977 - Con.

appendix B)

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class	All es- tablish- ments	Establishments in major industry groups																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
MARTIN COUNTY.	151	12	-	-	6	37	4	3	20	5	1	5	1	16	1	13	8	3	7	2	3
1 TO 19 EMPLOYEES.	107	6	-	-	2	24	2	3	19	1	1	4	1	13	1	7	7	2	5	2	4
20 TO 99 EMPLOYEES.	39	4	-	-	3	12	2	-	1	3	-	1	-	3	-	6	1	1	2	-	-
100 TO 249 EMPLOYEES.	4	2	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MARTIN COUNTY.	64	4	-	-	4	5	2	-	14	3	-	2	-	3	1	4	7	1	9	-	3
1 TO 19 EMPLOYEES.	51	3	-	-	4	5	1	-	12	3	-	2	-	2	-	4	6	-	5	-	3
20 TO 99 EMPLOYEES.	9	1	-	-	-	-	-	-	1	-	-	-	-	1	-	-	1	-	3	-	1
100 TO 249 EMPLOYEES.	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONROE COUNTY.	54	8	-	1	3	3	-	-	12	2	-	-	2	3	-	-	3	1	14	-	2
1 TO 19 EMPLOYEES.	48	6	-	1	2	3	-	-	10	2	-	-	2	3	-	-	3	1	14	-	2
20 TO 99 EMPLOYEES.	6	2	-	1	1	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
NASSAU COUNTY.	58	6	-	-	1	38	1	4	4	-	-	-	-	1	1	1	-	-	-	1	-
1 TO 19 EMPLOYEES.	46	2	-	-	37	-	-	-	4	-	-	-	-	1	1	-	-	-	-	1	-
20 TO 99 EMPLOYEES.	7	3	-	1	1	1	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES.	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OKALOOSA COUNTY.	76	-	-	1	5	10	2	-	11	3	1	2	-	6	-	5	6	8	6	1	8
1 TO 19 EMPLOYEES.	61	-	-	1	3	8	2	-	10	2	-	1	-	6	-	4	5	6	5	1	7
20 TO 99 EMPLOYEES.	9	-	-	-	-	2	-	-	1	1	1	-	-	-	-	1	1	-	-	-	1
100 TO 249 EMPLOYEES.	5	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	2	-	1	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
OSCEOLA COUNTY.	13	6	-	-	-	2	-	-	-	1	-	-	-	2	-	-	2	-	-	-	-
1 TO 19 EMPLOYEES.	12	5	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ORANGE COUNTY.	573	40	-	1	17	30	23	10	122	25	4	15	1	31	6	48	70	36	24	14	38
1 TO 19 EMPLOYEES.	436	20	-	-	13	25	14	5	102	22	4	10	1	21	5	37	53	24	16	14	14
20 TO 99 EMPLOYEES.	100	8	-	1	3	5	9	1	17	3	-	4	-	10	1	7	12	7	6	2	4
100 TO 249 EMPLOYEES.	25	6	-	-	1	-	-	-	2	-	-	1	-	-	-	4	5	2	1	-	-
250 EMPLOYEES AND OVER.	12	6	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	3	1	-	-
OSCEOLA COUNTY.	51	4	-	-	-	11	1	-	9	2	-	6	-	5	-	-	7	3	-	-	1
1 TO 19 EMPLOYEES.	39	4	-	-	-	9	1	-	8	2	-	2	-	2	-	-	6	3	-	-	2
20 TO 99 EMPLOYEES.	11	-	-	-	-	2	-	-	1	-	-	-	-	3	-	-	-	-	-	-	1
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
PALM BEACH COUNTY.	566	28	-	4	30	35	21	-	105	16	3	22	1	44	4	57	58	37	35	21	31
1 TO 19 EMPLOYEES.	453	16	-	4	23	29	19	-	91	10	3	17	-	35	2	50	48	25	25	17	30
20 TO 99 EMPLOYEES.	84	3	-	-	7	5	2	-	10	5	-	5	1	9	2	7	8	5	7	4	1
100 TO 249 EMPLOYEES.	18	7	-	-	-	1	-	-	2	1	-	-	-	-	-	-	1	3	2	-	3
250 EMPLOYEES AND OVER.	11	2	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	4	1	-	1
PASCO COUNTY.	83	8	-	1	3	14	3	-	18	2	-	1	-	12	-	6	3	1	5	1	5
1 TO 19 EMPLOYEES.	72	6	-	1	3	11	3	-	17	2	-	1	-	9	-	5	3	1	5	1	4
20 TO 99 EMPLOYEES.	7	-	-	-	-	3	-	-	1	-	-	-	-	2	-	-	-	-	-	-	1
100 TO 249 EMPLOYEES.	2	2	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-
250 EMPLOYEES AND OVER.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PINELLAS COUNTY.	867	26	1	5	45	52	34	9	149	31	4	35	6	52	8	97	100	44	65	34	62
1 TO 19 EMPLOYEES.	699	15	-	4	40	36	26	8	133	27	3	25	4	40	5	67	88	29	52	27	57
20 TO 99 EMPLOYEES.	124	5	-	1	3	14	8	1	12	3	1	8	2	11	3	24	7	7	7	2	3
100 TO 249 EMPLOYEES.	37	6	1	-	1	2	-	-	2	1	-	1	-	1	-	5	4	1	2	5	3
250 EMPLOYEES AND OVER.	17	-	-	-	1	-	-	-	2	-	-	1	-	-	-	1	1	7	4	-	-
POLK COUNTY.	344	39	-	-	9	27	11	5	48	39	-	11	1	35	2	28	46	5	17	1	16
1 TO 19 EMPLOYEES.	211	13	-	-	7	17	8	1	41	12	-	5	1	24	1	17	32	4	12	-	13
20 TO 99 EMPLOYEES.	92	14	-	-	1	9	3	2	6	16	-	4	-	9	1	8	13	1	4	1	1
100 TO 249 EMPLOYEES.	23	3	-	-	1	3	-	-	1	5	-	2	-	2	-	3	-	-	1	-	2
250 EMPLOYEES AND OVER.	18	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
PUTNAM COUNTY.	65	4	-	-	-	40	2	5	4	2	-	1	-	3	-	-	1	1	2	-	-
1 TO 19 EMPLOYEES.	55	4	-	-	-	37	1	2	2	2	-	1	-	3	-	-	1	1	1	-	-
20 TO 99 EMPLOYEES.	6	-	-	-	-	3	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. **Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977—Con.**

Counties: 1977-1980.

Major groups descriptions are:	20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and allied products; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical and electronic equipment; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B)
	Establishments in major industry groups

State, county, and employee size class	All es- tablish- ments	Establishments in major industry groups																				39	CAO's
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38			
ST. JOHNS COUNTY	37	2	-	-	1	5	-	-	8	-	1	3	-	2	-	2	5	-	7	-	1		
1 TO 19 EMPLOYEES	29	1	-	-	-	5	-	-	6	-	1	3	-	1	-	2	-	4	-	1			
20 TO 99 EMPLOYEES	4	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	1	-			
100 TO 249 EMPLOYEES	3	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ST. LUCIE COUNTY	64	7	-	1	1	6	2	11	4	4	-	6	4	4	1	4	7	-	-	3			
1 TO 19 EMPLOYEES	48	2	-	-	-	5	-	10	1	-	2	4	3	1	-	-	-	-	-	-			
20 TO 99 EMPLOYEES	11	2	-	-	-	1	-	1	1	-	1	-	1	-	-	-	-	-	-	-			
100 TO 249 EMPLOYEES	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
250 EMPLOYEES AND OVER	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
SANTA ROSA COUNTY	31	-	-	1	1	14	1	1	1	2	-	1	-	6	-	-	1	2	-	1			
1 TO 19 EMPLOYEES	24	-	-	-	-	14	1	1	1	1	-	-	-	3	-	-	-	1	-	1			
20 TO 99 EMPLOYEES	4	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	1	-	-			
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-			
250 EMPLOYEES AND OVER	2	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-			
SARASOTA COUNTY	276	6	-	19	19	24	10	2	51	8	2	14	3	20	2	32	24	14	21	6			
1 TO 19 EMPLOYEES	226	6	-	19	19	16	8	2	44	6	2	11	3	15	2	26	19	7	17	4			
20 TO 99 EMPLOYEES	41	-	-	-	-	8	2	-	6	-	-	2	-	5	-	4	4	4	2	2			
100 TO 249 EMPLOYEES	7	-	-	-	-	-	-	-	1	-	-	1	-	-	-	2	1	1	1	-			
250 EMPLOYEES AND OVER	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
SEMINOLE COUNTY	198	13	-	10	8	19	1	-	26	8	-	5	3	12	3	22	30	21	13	3			
1 TO 19 EMPLOYEES	157	10	-	8	14	14	1	-	25	7	-	5	2	10	3	18	24	11	9	2			
20 TO 99 EMPLOYEES	32	2	-	1	5	5	-	-	1	1	-	1	1	2	-	3	6	3	3	1			
100 TO 249 EMPLOYEES	7	1	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	2	1	-			
250 EMPLOYEES AND OVER	2	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	1	-	-			
SUMTER COUNTY	11	2	-	-	-	3	-	1	-	-	-	-	-	1	1	-	-	-	-	-			
1 TO 19 EMPLOYEES	6	2	-	-	-	3	-	1	-	-	-	-	-	1	1	-	-	-	-	-			
20 TO 99 EMPLOYEES	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
SUWANNEE COUNTY	30	4	-	2	14	1	-	-	5	1	-	1	-	2	-	-	-	-	-	-			
1 TO 19 EMPLOYEES	25	3	-	1	13	1	-	-	5	1	-	1	-	1	-	-	-	-	-	-			
20 TO 99 EMPLOYEES	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
100 TO 249 EMPLOYEES	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
250 EMPLOYEES AND OVER	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
TAYLOR COUNTY	39	4	-	1	21	1	-	1	3	-	-	-	-	1	-	4	2	-	2	-			
1 TO 19 EMPLOYEES	24	3	-	1	14	1	-	1	3	-	-	-	-	1	-	1	2	-	1	-			
20 TO 99 EMPLOYEES	12	1	-	1	7	-	-	-	-	-	-	-	-	-	-	2	-	-	1	-			
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-			
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
UNION COUNTY	12	-	-	1	1	9	-	-	1	-	-	-	-	-	-	-	-	-	-	-			
1 TO 19 EMPLOYEES	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
100 TO 249 EMPLOYEES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
VOLUSIA COUNTY	254	14	3	11	35	7	-	-	49	4	2	11	-	18	-	16	28	11	17	6			
1 TO 19 EMPLOYEES	204	8	-	9	28	7	-	-	43	2	2	9	-	14	-	12	26	7	13	5			
20 TO 99 EMPLOYEES	38	3	-	1	1	-	-	-	5	1	1	2	-	4	-	3	2	1	4	1			
100 TO 249 EMPLOYEES	5	2	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-			
250 EMPLOYEES AND OVER	7	1	-	1	-	-	-	1	1	1	1	1	-	1	1	-	-	2	1	-			
WAKULLA COUNTY	20	9	-	-	-	5	-	-	1	1	-	-	-	1	-	-	-	-	1	-			
1 TO 19 EMPLOYEES	17	8	-	-	-	5	-	-	1	1	-	-	-	1	-	-	-	-	1	-			
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
100 TO 249 EMPLOYEES	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	1	-	-	-	5	-	-	-	-	-	-			
WALTON COUNTY	18	1	-	1	9	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-			
1 TO 19 EMPLOYEES	13	-	-	-	7	-	-	-	1	1	-	-	-	-	-	-	-	-	1	-			
20 TO 99 EMPLOYEES	3	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
250 EMPLOYEES AND OVER	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
WASHINGTON COUNTY	24	1	-	-	18	1	-	-	-	-	-	-	-	2	-	-	-	-	-	-			
1 TO 19 EMPLOYEES	23	1	-	-	17	1	-	-	-	2	-	-	-	2	-	-	-	-	-	-			
20 TO 99 EMPLOYEES	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			

Note: Data on number of establishments by employment size class by 4-digit SIC industry for States, Counties, and Census tracts are available only on computer tape (see Introduction).

- Represents zero.

- Represents zero.

- Represents zero.

1 Only those counties and size classes that include data for manufacturing establishments are shown.

Georgia

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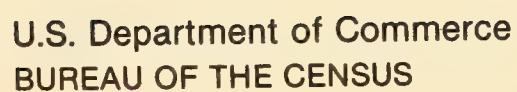
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SUMMARY OF FINDINGS

In 1977, 484.7 thousand persons were employed in Georgia's manufacturing establishments. This figure represented an increase of 4 percent from the 1972 figure of 467.5 thousand workers.

The total value added by manufacture for the State amounted to \$12,549 million in 1977, an increase of approximately 70 percent from the 1972 figure of \$7,386 million. All dollar figures in this report are in current dollars and are, therefore, not adjusted for changes in price levels.

In the State, the most important industry groups ranked by employment were textile mill products, apparel and other textile products, food and kindred products, and transportation equipment. They accounted for approximately 56 percent of the State's 1977 employment. These same industry groups were in the forefront for 1972 when they accounted for approximately 57 percent of the State's employment.

The most important counties in the State ranked by employment were Fulton, De Kalb, Whitfield, and Columbus. They accounted for approximately 25 percent of the State's 1977 manufacturing employment. The order has shifted from 1972 when Fulton, De Kalb, Whitfield, and Cobb accounted for approximately 26 percent of the State's employment.

The methods of data collection and use of administrative records data are discussed in detail in the Introduction. Small single-unit companies with up to 20 employees (the cutoff varied by industry) were excluded from the mail portion of the census. For these establishments (and a small number of larger establishments whose reports were not received in time to be tabulated), statistics on payrolls and receipts were obtained from administrative records of other government agencies. Other statistics were developed from industry averages. For this State, these establishments accounted for 4 percent of the total value of shipments.

Table 1. Historical Employment Statistics for Operating Manufacturing Establishments and Central Administrative Offices: 1977 and Earlier Years

(For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

State, standard metropolitan statistical area, and year	All establishments		Operating manufacturing establishments		Central administrative offices and auxiliaries ¹	
	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)
Georgia:						
1977.....	484.7	5,124.5	470.3	4,856.5	14.4	268.0
1972.....	467.5	3,336.0	453.6	3,168.2	13.9	167.8
1967.....	423.1	2,231.2	415.0	2,159.8	8.1	71.4
1963.....	354.0	1,505.6	349.7	1,473.2	4.3	32.4
STANDARD METROPOLITAN STATISTICAL AREAS						
Albany:						
1977.....	8.9	102.9	8.9	102.9	-	-
1972.....	8.9	63.3	8.9	63.3	-	-
Atlanta:						
1977.....	128.7	1,742.7	118.9	1,549.0	9.8	193.7
1972.....	132.4	1,199.6	123.3	1,083.7	9.1	115.9
Augusta, Ga.-S.C.:						
1977.....	34.7	428.0	33.4	410.1	1.3	17.9
1972.....	30.4	250.1	29.8	243.8	.6	6.3
1967.....	29.3	181.1	28.7	176.9	.6	4.2
1963.....	25.2	135.6	24.6	132.0	.6	3.6
Chattanooga, Tenn.-Ga.:						
1977.....	53.9	612.9	53.1	600.7	.8	12.2
1972.....	56.8	450.3	55.9	441.7	.9	8.6
1967.....	51.6	308.3	50.7	302.6	.9	5.7
1963.....	38.9	193.8	38.6	191.6	.3	2.3
Columbus, Ga.-Ala.:						
1977.....	20.6	206.0	20.4	203.9	.2	2.3
1972.....	19.7	134.8	19.5	132.1	.2	2.7
1967.....	18.1	88.3	18.1	88.3	-	-
1963.....	14.3	54.2	14.3	54.2	-	-
Macon:						
1977.....	15.3	175.0	14.8	166.2	.5	8.8
1972.....	13.2	98.5	12.7	92.4	.5	6.1
1967.....	14.5	79.2	(D)	(D)	(D)	(D)
1963.....	11.1	48.8	(D)	(D)	(D)	(D)
Savannah:						
1977.....	16.1	215.0	15.3	201.6	.8	13.4
1972.....	14.7	128.3	(D)	(D)	(D)	(D)
1967.....	15.5	93.2	(D)	(D)	(D)	(D)
1963.....	14.8	75.5	(D)	(D)	(D)	(D)

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies.

¹Defined in appendix B. Data for these establishments are included at the total manufacturing level in each table in this report. Data for these establishments are shown separately in tables 5 and 9 and included in State, SMSA, county, or city totals in other tables.

**Table 2a. Historical Statistics for the State and Selected Standard Metropolitan Statistical Areas:
1977 and Earlier Years**

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Establishments ²		All employees ²		Production workers			Value added by manu- facture materials ³ Value of ship- ments ³ New capital expendi- tures				Comparative indexes and U.S. employment			
	Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)					Percent of U.S. manufac- turing employ- ment (per- cent)		Index of State employ- ment change (1977= 100)	United States
								Index of manufac- turing employ- ment change (1977= 100)	U.S. manu- facturing employ- ment (1,000)						
GEORGIA															
1977 CENSUS.	8 623	2 906	484.7	5 124.5	376.2	740.6	3 404.4	12 548.8	20 365.4	32 856.4	1 143.4	2.47	100	100	19 596.9
1976 ASM....	(NA)	(NA)	468.9	4 506.1	362.4	708.3	2 950.1	11 092.6	17 561.9	28 391.4	852.9	2.50	97	96	18 753.0
1975 ASM....	(NA)	(NA)	434.7	3 905.5	332.6	632.9	2 451.3	8 790.0	14 393.2	23 250.8	687.0	2.38	90	94	18 302.2
1974 ASM....	(NA)	(NA)	480.5	3 908.3	371.6	719.2	2 545.8	9 475.6	14 472.0	23 584.3	912.2	2.42	99	102	19 844.8
1973 ASM....	(NA)	(NA)	483.9	3 635.2	381.6	760.9	2 464.4	8 618.6	12 685.4	21 092.4	669.6	2.43	100	102	19 897.9
1972 CENSUS.	7 627	2 663	467.5	3 336.0	368.6	737.5	2 242.8	7 385.8	11 022.2	18 374.2	688.9	2.46	96	98	19 028.7
1971 ASM....	(NA)	(NA)	433.7	2 865.5	340.3	674.8	1 920.3	6 533.2	9 372.4	16 395.9	508.4	2.36	89	94	18 363.1
1970 ASM....	(NA)	(NA)	441.9	2 724.3	344.7	683.4	1 811.5	5 482.7	8 331.1	14 263.3	453.3	2.30	91	99	19 217.2
1969 ASM....	(NA)	(NA)	453.8	2 718.9	362.5	729.8	1 846.3	5 413.4	8 276.7	13 613.7	514.0	2.26	94	103	20 035.5
1968 ASM....	(NA)	(NA)	429.0	2 438.4	344.6	700.4	1 475.3	5 102.6	7 623.9	12 654.1	414.2	2.20	89	100	19 527.6
1967 CENSUS.	6 976	2 268	423.1	2 231.2	339.3	684.6	1 522.2	4 683.6	7 054.6	11 713.0	423.3	2.19	87	99	19 323.2
1966 ASM....	(NA)	(NA)	415.3	2 048.1	337.8	694.4	1 428.3	4 568.7	6 995.3	11 482.3	369.9	2.18	86	98	19 024.5
1965 ASM....	(NA)	(NA)	393.5	1 833.8	322.4	661.5	1 301.3	4 053.8	6 370.6	10 350.3	308.9	2.18	81	92	18 010.2
1964 ASM....	(NA)	(NA)	366.0	1 647.8	297.3	607.2	1 166.3	3 563.2	5 549.2	9 063.5	237.5	2.12	76	89	17 268.5
1963 CENSUS.	6 249	2 056	354.0	1 505.6	290.0	582.4	1 073.0	3 254.0	(NA)	(NA)	202.2	2.09	73	87	16 958.4
ATLANTA SMSA															
1977 CENSUS.	2 758	932	128.7	1 742.7	86.1	171.7	993.6	4 222.8	6 701.0	10 951.6	247.8	.66	100	100	19 596.9
1976 ASM....	(NA)	(NA)	131.2	1 590.0	87.0	168.4	872.4	3 880.1	5 932.3	9 711.4	187.4	.70	102	96	18 753.0
1975 ASM....	(NA)	(NA)	123.1	1 424.1	79.4	151.6	709.1	2 978.5	4 616.8	7 584.7	205.4	.67	96	94	18 302.2
1974 ASM....	(NA)	(NA)	136.1	1 389.5	89.7	172.5	745.5	3 211.0	4 595.5	7 704.4	259.6	.69	106	102	19 844.8
1973 ASM....	(NA)	(NA)	134.7	1 257.1	91.4	180.1	723.7	2 906.0	4 384.5	7 237.0	144.4	.68	105	102	19 897.9
1972 CENSUS.	2 268	848	132.4	1 199.6	89.3	177.7	677.3	2 472.3	4 088.6	6 605.7	171.1	.70	103	98	19 028.7
CHATTANOOGA, TENN.-GA., SMSA															
1977 CENSUS.	671	287	53.9	612.9	41.3	80.3	409.9	1 290.0	2 032.3	3 305.2	89.0	.28	100	100	19 596.9
1976 ASM....	(NA)	(NA)	54.4	575.7	41.9	79.3	394.2	1 193.9	1 892.1	3 072.6	74.0	.29	101	96	18 753.0
1975 ASM....	(NA)	(NA)	51.4	512.6	39.5	74.4	349.2	1 119.9	1 678.0	2 804.1	77.0	.28	95	94	18 302.2
1974 ASM....	(NA)	(NA)	57.5	517.2	44.6	84.0	354.2	1 117.5	1 581.1	2 623.3	86.0	.29	107	102	19 844.8
1973 ASM....	(NA)	(NA)	57.3	481.4	45.3	91.9	337.0	989.2	1 365.5	2 339.8	69.7	.29	106	102	19 897.9
1972 CENSUS.	635	280	56.8	450.3	45.0	91.6	318.2	927.7	1 205.2	2 119.1	64.4	.29	105	98	19 028.7
1971 ASM....	(NA)	(NA)	52.5	386.2	41.3	83.1	268.4	753.8	1 045.4	1 793.4	51.0	.29	97	94	18 363.1
1970 ASM....	(NA)	(NA)	53.4	359.2	41.8	83.0	244.6	676.7	979.9	1 648.5	71.9	.28	99	99	19 217.2
1969 ASM....	(NA)	(NA)	54.7	353.6	43.0	85.8	243.1	741.6	975.4	1 690.5	51.7	.27	102	103	20 035.5
1968 ASM....	(NA)	(NA)	52.6	326.1	40.8	81.5	222.4	699.9	920.4	1 587.0	67.5	.27	98	100	19 527.6
1967 CENSUS.	515	238	51.6	308.3	40.1	81.0	213.0	610.6	874.6	1 482.7	74.4	.27	96	99	19 323.2
1966 ASM....	(NA)	(NA)	52.9	303.3	41.0	83.8	206.4	597.7	850.9	1 438.3	67.2	.28	98	98	19 024.5
1965 ASM....	(NA)	(NA)	47.9	265.9	37.9	78.0	183.7	536.7	745.6	1 267.6	70.2	.27	89	92	18 010.2
1964 ASM....	(NA)	(NA)	40.3	212.9	31.7	65.6	146.6	450.1	628.1	1 068.8	54.8	.23	75	89	17 268.5
1963 CENSUS.	455	207	38.9	193.8	30.8	62.1	136.6	391.9	(NA)	(NA)	22.4	.23	72	87	16 958.4

(NA) Not available.

¹In annual survey of manufactures (ASM) years, data are estimates based on a representative sample of establishments canvassed annually and may differ from results of a complete canvass of all establishments. ASM publication shows percentage standard errors. Unless otherwise noted, for data prior to 1963, see 1963 Census of Manufactures, vol. III, table 1 of State chapter.

²Including central administrative offices and auxiliaries (for definition, see appendix B).

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

**Table 2b. Selected Operating Ratios for the State and Selected Standard Metropolitan Statistical Areas:
1977 and Earlier Years**

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials as percent of value of shipments (percent)	Cost of materials and payroll as percent of value of shipments (percent)	Value added per employee (dollars)	Payroll as percent of value added (percent)	Value added per production worker hour (dollars)
GEORGIA									
1977 CENSUS.....	10 573	78	1 968	4.60	62	78	25 890	41	16.94
1976 ASM.....	9 610	77	1 954	4.17	62	78	23 657	41	15.66
1975 ASM.....	8 984	77	1 903	3.87	62	79	20 221	44	13.89
1974 ASM.....	8 134	77	1 935	3.54	61	78	19 720	41	13.18
1973 ASM.....	7 512	79	1 994	3.24	60	77	17 811	42	11.33
1972 CENSUS.....	7 136	79	2 001	3.04	60	78	15 799	45	10.01
1971 ASM.....	6 607	78	1 983	2.85	57	75	15 064	44	9.68
1970 ASM.....	6 165	78	1 983	2.65	58	78	12 407	50	8.02
1969 ASM.....	5 991	80	2 013	2.53	61	81	11 929	50	7.42
1968 ASM.....	5 684	80	2 033	2.11	60	80	11 894	48	7.29
1967 CENSUS.....	5 273	80	2 018	2.22	60	79	11 070	48	6.84
1966 ASM.....	4 932	81	2 056	2.06	60	79	11 001	45	6.58
1965 ASM.....	4 660	82	2 052	1.97	62	79	10 302	45	6.13
1964 ASM.....	4 502	81	2 042	1.92	61	79	9 736	46	5.87
1963 CENSUS.....	4 253	82	2 008	1.84	(NA)	(NA)	9 192	46	5.59
ATLANTA SMSA									
1977 CENSUS.....	13 544	67	1 995	5.79	61	77	32 821	41	24.59
1976 ASM.....	12 119	66	1 936	5.18	61	63	29 574	41	23.04
1975 ASM.....	11 569	65	1 909	4.68	61	80	24 196	48	19.65
1974 ASM.....	10 209	66	1 923	4.32	60	78	23 593	43	18.61
1973 ASM.....	9 333	68	1 970	4.02	61	78	21 574	43	16.14
1972 CENSUS.....	9 441	66	1 992	4.00	62	80	19 534	48	14.93
CHATTANOOGA, TENN.-GA., SMSA									
1977 CENSUS.....	11 381	77	1 947	5.10	61	80	23 954	48	16.06
1976 ASM.....	10 583	77	1 893	4.97	62	80	21 947	48	15.06
1975 ASM.....	9 973	77	1 884	4.69	60	78	21 788	46	15.05
1974 ASM.....	8 995	78	1 883	4.22	60	80	19 435	46	13.30
1973 ASM.....	8 401	79	2 029	3.67	58	79	17 264	49	10.76
1972 CENSUS.....	7 928	79	2 036	3.47	57	78	16 333	49	10.13
1971 ASM.....	7 356	79	2 012	3.23	58	80	14 358	51	9.07
1970 ASM.....	6 727	78	1 986	2.95	59	81	12 672	53	8.15
1969 ASM.....	6 464	79	1 995	2.83	58	79	13 558	48	8.64
1968 ASM.....	6 200	78	1 998	2.73	58	79	13 306	47	8.59
1967 CENSUS.....	5 975	78	2 020	2.63	59	80	11 833	50	7.54
1966 ASM.....	5 733	78	2 044	2.46	59	80	11 299	51	7.13
1965 ASM.....	5 551	79	2 058	2.36	59	80	11 205	50	6.88
1964 ASM.....	5 283	79	2 069	2.23	59	79	11 169	47	6.86
1963 CENSUS.....	4 982	79	2 016	2.20	(NA)	(NA)	10 075	49	6.31

Note: For qualifications to data, see footnotes on table 2a.
(NA) Not available.

Table 3a. Summary Statistics for the State: 1977 and 1972

(For explanation of terms, see appendix B)

Item	Unit of measure	1977	1972
Establishments ¹	number	8 623	7 627
With 1 to 19 employees	do	5 717	4 964
With 20 to 99 employees	do	1 783	1 594
With 100 employees or more	do	1 123	1 069
All employees, average for year ¹	1,000	484.7	467.2
Payroll for year, all employees ¹	mil. dollars ..	5 124.5	3 329.9
Production workers:			
Average for year	1,000	376.2	368.4
March	do	369.3	361.4
May	do	376.6	364.0
August	do	378.1	372.0
November	do	380.1	376.1
Hours	millions	740.6	737.2
January to March	do	178.7	179.7
April to June	do	188.9	186.4
July to September	do	185.3	183.2
October to December	do	187.6	188.0
Wages	mil. dollars ..	3 404.4	2 240.9
Cost of materials, etc. ²	do	20 365.4	11 014.3
Materials, parts, containers, etc., consumed	do	18 323.5	10 098.4
Resales	do	863.4	376.3
Fuels consumed	do	380.3	125.3
Purchased electric energy	do	374.3	127.4
Contract work	do	423.9	286.8
Value of shipments, including resales ²	do	32 856.4	18 369.4
Value of resales	do	889.7	468.9
Value added by manufacture	do	12 548.8	7 369.7
Manufacturers' inventories:			
Beginning of year	do	3 674.7	2 117.9
Finished products	do	1 233.8	740.6
Work in process	do	1 005.5	539.3
Materials, supplies, fuel, etc.	do	1 435.4	837.8
End of year	do	3 903.4	2 121.1
Finished products	do	1 311.2	761.8
Work in process	do	987.5	509.8
Materials, supplies, fuel, etc.	do	1 604.8	849.5
Capital expenditures for plant and equipment	do	1 207.3	714.6
New capital expenditures	do	1 143.4	687.7
New buildings and other structures	do	171.6	143.8
New machinery and equipment	do	971.8	544.0
Used capital expenditures	do	63.9	26.9

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies.

¹Including central administrative offices and auxiliaries (for definition, see appendix B).²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 3b. Supplemental State Statistics Based on Sample Estimates: 1977

(For explanation of terms, see appendix B. For description of annual survey of manufactures (ASM), see appendix F)

Item	Amount (million dollars)	Standard error of estimate (percent)	Item	Amount (million dollars)	Standard error of estimate (percent)
Gross value of depreciable assets:			Rental payments:		
Total:			Total	145.0	4
Beginning of year	8,843.7	1	Buildings and other structures	56.6	5
New capital expenditures	1,130.6	2	Machinery and equipment	88.2	6
Used capital expenditures	84.6	12			
Retirements	290.4	3	Depreciation charges during 1977:		
End of year	9,768.5	1	Total	584.3	1
Buildings and other structures:			Buildings and other structures	94.0	2
Beginning of year	2,203.3	1	Machinery and equipment	490.3	1
New capital expenditures	168.3	5			
Used capital expenditures	(30.0)	26	Supplemental labor costs:		
Retirements	45.8	12	Total	858.5	1
End of year	2,355.8	1	Legal costs	378.8	1
Machinery and equipment:			Voluntary costs	479.7	1
Beginning of year	6,641.0	1			
New capital expenditures	962.3	2	Purchased services:		
Automobiles, trucks, etc., for highway use ..	31.0	(NA)	Cost of purchased services for the repair of--		
Computers and peripheral data processing equip.	10.5	(NA)	Buildings and other structures	38.4	13
All other	790.5	(NA)	Response coverage ratio (percent)	57	(X)
New machinery and equipment, n.s.k.	130.4	(NA)	Machinery	(221.1)	(A)
Used capital expenditures	54.5	10	Response coverage ratio (percent)	59	(X)
Retirements	244.8	8	Cost of purchased communication services	(48.6)	(A)
End of year	7,413.1	1	Response coverage ratio (percent)	61	(X)

Note: Expenditures data, shown in tables 2a, 3a, and 4-8, are census universe figures and may differ from ASM sample estimates shown in this table. Table 3b figures represents best estimate of year-to-year change as measured by continuing ASM sample, but are subject to sample errors. Hence, as estimates of level, they are not as reliable as universe figures.

(A) Indicates standard errors of 100 percent or more. Figures in parentheses have standard errors of 15 percent or more.

(NA) Not available. n.s.k. Not specified by kind. (X) Not applicable.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B.														
Geographic area	E ¹	1977										1972		
		All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)						
Georgia -----	-	8 623	2 906	484.7	5 124.5	376.2	740.6	3 404.4	12 548.8	20 365.4	32 856.4	1 143.4	467.5	7 385.8
STANDARD METROPOLITAN STATISTICAL AREAS														
Albany -----	-	99	35	8.9	102.9	7.0	14.1	73.5	478.8	517.7	986.7	67.0	8.9	180.9
Atlanta -----	-	2 758	932	128.7	1 742.7	86.1	171.7	993.6	4 222.8	6 701.0	10 951.6	247.8	132.4	2 472.3
Augusta, Ga.-S.C.	-	302	131	34.7	428.0	24.9	50.6	257.7	1 090.5	1 102.3	2 174.7	177.5	30.4	578.2
Portion in South Carolina -----	E1	95	47	19.2	250.2	13.4	27.2	146.3	611.0	346.6	950.9	15.0	16.2	320.9
Portion in Georgia -----	-	207	84	15.5	177.8	11.4	23.4	111.5	479.5	755.7	1 223.9	162.5	14.2	257.3
Chattanooga, Tenn.-Ga.	-	671	287	53.9	612.9	41.3	80.3	409.9	1 290.0	2 032.3	3 305.2	89.0	56.8	927.7
Portion in Georgia -----	-	118	53	9.9	89.7	8.2	16.6	66.0	199.8	396.3	594.2	11.3	10.5	144.6
Portion in Tennessee -----	-	553	234	43.9	523.2	33.0	63.7	344.0	1 090.2	1 636.0	2 711.0	77.7	46.3	783.1
Columbus, Ga.-Ala.	-	222	91	20.6	206.0	16.2	32.9	140.2	530.6	649.1	1 170.5	34.5	19.7	339.5
Portion in Georgia -----	-	167	72	17.8	176.3	13.7	27.8	117.1	421.8	497.1	912.4	27.4	17.7	294.3
Portion in Alabama -----	-	55	19	2.9	29.6	2.5	5.1	23.1	108.8	152.0	258.1	7.1	2.0	44.9
Macon -----	-	252	94	15.3	175.0	11.5	22.8	117.8	436.7	601.3	1 049.0	61.8	13.2	235.0
Savannah -----	-	276	83	16.1	215.0	11.4	22.9	136.3	560.7	1 054.3	1 612.7	83.2	14.7	366.1
COUNTIES														
Appling -----	-	42	10	0.9	6.4	0.8	1.3	4.9	11.8	26.3	39.1	0.5	0.9	10.4
Atkinson -----	-	34	5	0.3	2.5	0.2	0.5	2.0	10.3	9.6	19.7	0.2	0.4	4.2
Bacon -----	E2	22	6	1.1	8.6	0.9	1.8	6.9	33.7	52.2	94.0	(D)	0.7	4.3
Baker -----	-	1	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Baldwin -----	-	38	12	2.8	28.2	2.3	4.3	19.9	77.5	62.8	139.1	6.8	2.1	37.4
Banks -----	-	15	6	0.7	4.8	0.7	1.4	4.5	8.2	10.9	18.9	0.6	0.6	4.1
Barrow -----	-	35	24	3.9	28.9	3.2	5.7	19.0	49.8	112.8	154.3	3.1	3.0	25.5
Bartow -----	E1	85	45	7.5	66.3	6.3	12.1	48.7	140.5	369.9	511.3	11.9	7.6	123.7
Ben Hill -----	-	40	15	2.1	19.8	1.8	3.5	16.2	69.4	69.9	135.5	1.8	1.6	20.2
Berrien -----	E1	21	6	1.7	15.2	1.4	2.9	11.4	29.1	28.6	59.0	(D)	1.6	14.1
Bibb -----	-	176	79	12.6	137.7	9.4	18.6	90.7	323.5	418.4	747.1	(D)	11.1	186.5
Bleckley -----	-	15	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.7	3.4
Brantley -----	E3	32	2	0.1	1.2	0.1	0.2	0.9	3.0	5.5	8.5	0.6	0.2	2.2
Brooks -----	-	22	6	0.5	2.8	0.4	0.8	2.2	4.5	16.0	20.8	(D)	0.6	4.6
Bryan -----	E9	28	2	0.1	0.8	0.1	0.1	0.6	1.5	1.5	3.0	0.2	0.2	1.3
Bulloch -----	-	44	13	1.8	16.9	1.4	2.7	11.2	40.4	37.6	77.7	2.7	2.0	20.2
Burke -----	-	31	12	1.8	13.8	1.6	3.0	10.2	33.6	36.4	69.7	3.4	1.3	13.2
Butts -----	-	24	6	1.1	7.9	1.0	1.7	6.4	13.3	24.4	37.0	0.7	1.2	11.7
Calhoun -----	-	9	2	0.2	1.2	0.2	0.3	0.9	2.5	1.4	4.0	(D)	0.3	1.9
Camden -----	-	34	6	1.9	27.7	1.5	3.1	21.3	72.2	149.7	222.4	7.6	2.1	46.3
Candler -----	E3	15	3	0.3	1.6	0.3	0.5	1.5	2.4	1.5	3.8	0.1	0.3	2.8
Carroll -----	-	94	37	8.5	80.8	6.8	13.5	59.6	133.2	666.0	804.1	10.7	7.1	63.2
Catoosa -----	-	42	14	2.1	20.1	1.7	3.6	15.0	47.8	116.4	162.0	4.1	1.4	18.3
Charlton -----	E3	26	2	0.4	3.0	0.3	0.6	2.3	7.6	13.2	20.4	0.7	0.4	7.7
Chatham -----	-	217	76	15.6	210.5	10.9	22.0	132.8	549.7	1 037.5	1 585.4	82.5	14.2	361.7
Chattahoochee -----	E2	7	-	(Z)	0.3	(Z)	(Z)	0.2	0.8	0.5	1.3	0.2	(Z)	(NA)
Chattooga -----	-	33	13	5.2	42.5	4.7	9.2	36.2	164.2	219.6	378.6	9.0	5.3	109.0
Cherokee -----	-	60	13	2.8	21.9	2.3	4.4	16.3	30.5	71.9	101.9	4.6	2.2	24.4
Clarke -----	-	97	47	10.2	98.8	8.1	14.8	66.1	270.0	314.2	578.5	22.3	8.4	116.6
Clay -----	E9	5	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.1	0.6
Clayton -----	-	127	45	4.7	56.4	3.5	6.7	35.6	192.2	228.9	416.9	11.2	3.9	81.8
Clinch -----	E2	38	6	1.1	8.5	0.9	1.8	7.5	12.1	32.1	44.2	1.1	1.2	11.1
Cobb -----	-	284	85	15.5	226.6	9.1	16.2	104.2	500.7	425.9	994.1	11.9	18.8	159.0
Coffee -----	-	59	15	2.8	22.9	2.5	3.7	17.3	43.7	91.4	131.8	4.1	3.8	37.6
Colquitt -----	-	74	21	3.1	26.7	2.5	4.7	18.6	48.9	103.0	151.3	3.3	3.7	34.0
Columbia -----	E1	41	9	1.7	17.4	1.4	2.6	11.6	33.6	33.5	65.5	2.5	0.8	8.2
Cook -----	-	31	8	1.7	12.7	1.5	3.0	10.6	26.7	47.4	74.4	2.9	1.6	19.5
Coweta -----	E8	54	25	5.1	50.5	4.3	8.5	37.3	90.1	150.4	239.5	7.0	5.1	69.1
Crawford -----	-	9	3	0.2	1.5	0.2	0.4	1.4	3.0	3.8	6.5	0.2	0.3	6.3
Crisp -----	-	47	20	2.1	16.6	1.7	3.1	11.8	44.2	55.5	99.8	2.3	2.1	23.5
Dade -----	-	8	4	0.7	6.3	0.6	1.3	5.5	10.0	23.1	32.9	0.3	0.7	9.2
Dawson -----	E1	6	2	0.2	1.4	0.1	0.3	1.1	3.6	3.0	6.7	0.1	0.2	1.3
Decatur -----	-	48	18	3.0	28.0	2.5	5.2	19.9	92.6	98.1	189.7	20.9	2.0	25.8
De Kalb -----	-	668	198	25.6	405.5	15.9	34.4	217.7	970.5	1 667.9	2 626.5	57.4	28.4	658.2
Dodge -----	-	42	7	1.1	7.3	1.0	1.8	5.6	14.8	20.1	34.6	(D)	1.2	12.0
Dooly -----	-	16	5	0.6	4.6	0.5	1.0	3.7	12.1	20.1	32.3	0.4	0.6	7.0
Dougherty -----	-	97	34	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Douglas -----	E1	41	9	0.5	6.2	0.4	0.8	3.7	14.9	23.4	37.5	0.8	0.4	6.7
Early -----	-	26	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Echols -----	E2	3	1	(Z)	0.3	(Z)	0.1	0.2	0.3	0.2	0.5	(Z)	(D)	(D)
Effingham -----	E1	31	5	0.5	3.7	0.4	0.8	3.0	9.5	15.2	24.2	0.6	0.3	3.1
Elbert -----	E1	109	31	2.9	24.7	2.4	5.0	18.6	49.3	24.9	71.7	2.7	2.5	21.8
Emanuel -----	-	62	19	2.5	16.8	2.2	4.0	13.6	39.6	47.8	86.6	3.4	2.6	25.1
Evans -----	-	22	7	1.3	8.3	1.1	2.0	6.2	16.9	35.0	51.9	1.7	1.2	11.4
Fannin -----	E1	21	5	1.0	6.8	0.9	1.5	5.7	22.7	21.0	43.6	0.2	1.0	13.8
Fayette -----	-	39	14	1.2	12.5	0.9	1.9	8.7	27.9	41.5	68.3	8.4	0.7	11.8
Floyd -----	-	107	49	13.6	152.3	11.1	22.3	107.9	317.4	473.0	784.6	32.0	11.9	206.2
Forsyth -----	-	26	8	1.3	9.9	1.1	2.0	6.8	18.2	51.1	68.8	1.3	0.6	6.6
Franklin -----	-	21	12	1.3	9.1	1.1	1.9	6.9	36.6	36.2	71.4	0.4	0.9	8.2
Fulton -----	-	1 100	400	55.6	779.3	36.8	74.3	461.9	1 930.8	3 431.4	5 354.8	118.1	58.4	1 276.8
Gilmer -----	-	31	9	1.4	10.7	1.2	2.3	8.2	21.9	51.7	71.7	1.2	1.3	

See footnotes at end of table.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area		1977										1972		
		All establishments ²		All employees ²		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
		Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)						
E ¹														
COUNTIES—Con.														
Hall	-	142	57	10.0	87.5	8.1	15.5	61.7	213.4	538.8	755.5	18.1	8.5	115.2
Hancock	E3	44	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	2.5
Haralson	-	38	19	5.3	46.0	4.8	9.1	35.7	92.6	106.2	194.1	3.8	5.7	64.8
Harris	E1	25	4	0.6	4.8	0.4	1.0	3.3	12.0	22.9	33.6	0.6	0.3	2.6
Hart	-	24	14	3.4	32.0	3.0	5.9	25.3	71.3	75.7	144.3	2.4	2.5	53.0
Heard	-	15	3	0.6	4.4	0.6	1.1	3.6	6.6	10.7	17.4	0.3	(D)	(D)
Henry	-	34	12	1.7	17.0	1.3	2.5	9.9	49.8	59.2	106.6	3.2	1.4	27.4
Houston	-	44	12	2.4	35.0	1.8	3.8	25.4	109.0	176.3	291.2	(D)	1.5	40.1
Inman	-	14	3	0.3	2.7	0.3	0.5	2.0	5.0	7.2	12.1	(D)	0.3	3.4
Jackson	-	36	15	2.9	22.4	2.5	5.0	17.3	46.2	72.5	118.3	3.6	2.9	36.8
Jasper	-	25	6	0.7	7.6	0.7	1.4	6.3	24.3	35.0	59.1	1.2	0.9	16.8
Jeff Davis	-	23	10	2.3	22.4	1.7	4.0	15.7	74.4	68.4	141.4	6.1	2.8	49.2
Jefferson	E2	46	15	1.5	11.1	1.3	2.7	8.9	22.8	21.5	43.8	2.7	1.5	13.1
Jenkins	-	12	4	0.8	5.8	0.7	1.2	4.2	17.4	15.0	32.2	0.6	0.8	6.6
Johnson	E2	26	8	1.2	7.1	1.1	1.6	5.8	10.5	12.8	23.1	0.4	1.0	7.3
Jones	E1	18	2	0.2	1.6	0.2	0.3	1.0	2.8	4.9	7.7	0.2	0.5	7.7
Lamar	-	12	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Lanier	E8	15	1	0.1	0.6	0.1	0.1	0.5	1.0	1.7	2.8	0.1	0.1	2.1
Laurens	-	66	20	5.3	41.5	4.6	9.3	33.7	103.6	126.9	221.9	5.3	4.6	60.4
Lee	-	2	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Liberty	-	22	5	0.6	7.6	0.4	0.8	5.2	15.2	28.8	44.8	1.1	0.6	15.1
Lincoln	E1	34	6	0.7	4.6	0.7	1.0	4.0	8.0	13.3	21.4	0.8	0.4	4.3
Long	E8	4	-	(Z)	0.1	(Z)	(Z)	0.1	0.1	0.1	0.2	(Z)	(Z)	(NA)
Lowndes	-	101	30	5.4	53.5	4.5	9.0	38.6	126.6	307.7	466.0	13.3	4.9	90.2
Lumpkin	E1	9	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
McDuffie	-	27	13	2.7	22.0	2.3	4.2	15.8	65.0	79.4	143.2	2.7	2.7	54.8
McIntosh	-	10	2	0.4	2.5	0.3	0.5	1.8	4.0	8.2	12.3	0.2	0.5	3.8
Macon	-	13	3	1.2	7.8	1.1	2.1	6.4	23.0	23.1	46.1	(D)	1.4	12.5
Madison	E1	43	7	1.0	6.4	1.0	1.8	5.8	13.0	12.3	25.2	0.6	1.7	16.0
Manon	E2	17	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Meriwether	-	36	13	3.6	29.8	3.3	6.6	25.1	89.0	72.0	162.2	4.7	3.1	43.2
Miller	E3	6	1	0.1	0.7	0.1	0.2	0.6	1.2	1.4	2.6	0.1	(Z)	(NA)
Mitchell	E1	47	16	1.6	11.6	1.4	2.6	9.4	23.4	29.2	52.4	1.9	1.3	10.5
Monroe	-	40	8	2.0	15.0	1.8	3.4	11.9	38.2	128.8	168.8	1.8	2.2	24.0
Montgomery	-	33	5	0.6	4.2	0.5	0.8	3.1	6.0	16.7	22.5	0.7	0.5	6.6
Morgan	-	33	10	0.9	6.4	0.8	1.4	4.6	18.7	15.6	34.3	0.6	0.7	8.7
Murray	-	83	37	3.6	37.1	3.1	6.6	28.4	102.5	200.4	296.0	6.8	1.7	32.5
Newton	-	34	14	2.8	27.7	2.2	4.6	20.7	79.8	83.9	163.3	6.1	3.0	44.2
Oconee	-	18	6	0.3	3.3	0.3	0.5	2.1	9.8	35.7	45.1	0.6	(D)	(D)
Oglethorpe	E2	19	2	0.2	1.4	0.2	0.3	1.2	2.2	2.7	5.0	0.3	0.2	2.3
Paulding	E1	29	6	0.6	4.8	0.6	1.0	3.8	9.9	12.5	23.0	0.4	0.2	2.0
Peach	-	25	7	2.4	23.0	1.7	3.3	13.8	40.4	96.2	133.8	(D)	1.6	12.0
Pickens	-	20	7	1.6	10.8	1.4	2.5	9.3	15.1	11.5	26.9	1.2	1.4	11.2
Pierce	-	27	5	0.5	4.2	0.5	0.9	3.5	10.8	21.9	32.2	0.4	0.4	2.9
Pike	-	4	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Polk	-	41	19	3.9	39.9	3.4	6.3	30.3	85.7	140.7	222.6	3.5	3.7	58.9
Pulaski	-	16	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	4.9
Putnam	-	16	5	1.2	9.6	1.1	2.0	8.0	22.3	38.1	60.0	1.9	1.2	16.9
Quitman	E9	16	-	(Z)	0.2	(Z)	(Z)	0.2	0.6	0.7	1.3	0.1	(Z)	(NA)
Rabun	-	12	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Randolph	-	25	7	0.6	5.1	0.5	0.9	3.3	11.9	25.4	37.0	0.3	0.6	8.5
Richmond	-	166	75	13.8	160.4	10.0	20.8	99.9	445.9	722.2	1 158.3	160.0	13.4	249.1
Rockdale	E1	50	23	3.1	30.8	2.1	4.2	17.9	72.9	102.9	172.6	3.2	2.6	48.7
Schley	-	18	6	0.5	4.7	0.4	0.9	3.0	8.1	16.6	24.5	0.3	(D)	(D)
Screven	E1	38	5	1.6	15.0	1.4	3.0	12.3	33.3	21.0	53.1	2.8	1.2	15.1
Seminole	E2	13	2	0.3	1.7	0.2	0.1	1.3	3.9	2.0	5.9	0.1	0.2	1.9
Spalding	-	54	22	6.7	54.2	5.9	11.2	40.2	132.2	137.0	263.6	8.6	6.8	57.8
Stephens	-	49	25	4.8	47.1	4.1	8.0	36.3	83.6	149.3	229.7	8.2	5.3	51.2
Stewart	-	15	4	0.3	2.7	0.3	0.5	2.2	4.2	12.9	16.3	1.5	0.4	7.7
Sumter	-	55	19	1.9	16.2	1.6	3.0	10.9	44.9	66.6	110.6	4.8	3.7	47.1
Talbot	E3	21	2	0.2	1.2	0.1	0.3	0.9	2.3	2.5	4.8	0.2	0.3	1.8
Taliaferro	E0	7	1	(Z)	0.3	(Z)	0.1	0.3	0.8	1.1	1.9	0.1	0.1	0.9
Tattnall	E7	35	6	0.8	4.6	0.7	1.3	3.9	6.0	6.0	11.8	0.6	0.7	2.9
Taylor	-	18	4	0.5	3.1	0.5	0.8	2.5	16.4	9.5	26.2	0.2	0.6	10.9
Telfair	-	21	5	0.9	5.8	0.8	1.4	4.7	11.4	44.6	48.4	2.5	0.9	14.8
Terrell	-	14	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Thomas	-	75	24	4.2	39.9	3.0	6.0	23.8	74.2	186.1	259.5	4.7	3.5	34.5
Tift	-	66	27	3.8	33.2	3.2	6.5	25.3	89.6	140.4	223.4	2.5	3.5	55.6
Toombs	-	51	16	2.4	16.1	2.0	3.8	12.2	27.8	25.3	52.4	1.6	2.8	23.6
Towns	E9	5	1	(Z)	0.2	(Z)	(Z)	0.2	0.6	0.6	1.1	(Z)	(D)	(D)
Treutlen	E1	15	3	0.3	1.8	0.3	0.5	1.6	2.3	2.7	4.9	0.2	0.2	1.3
Troup	-	96	45	9.2	100.1	6.6	13.8	59.8	197.3	249.8	452.2	19.5	7.7	75.1
Turner	-	13	7	0.7	5.0	0.6	1.0	3.7	10.0	19.2	28.7	(D)	0.8	12.2
Twiggs	E1	14	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.1	0.7
Union	E1	22	7	0.9	5.2	0.8	1.5	4.4	13.4	12.4	25.4	0.3	(D)	(D)
Upson	-	30	8	5.5	46.8	4.7	9.1	35.8	75.3	138.6	214.6	4.3	5.2	65.9
Walker	-	68	35	7.1	63.3	5.9	11.7	45.4	142.0	256.8	399.3	6.9	8.4	117.0
Walton	-	42	23	3.9	30.2	3.3	6.1	22.2	70.0	108.8	172.6	4.4	4.2	40.9
Ware	-	81	23	2.4	19.9	2.0	3.8	14.5	48.5	75.5	122.9	3.1	3.2	33.6
Warren	-	8	5	1.0	8.2	1.0	1.9	6.9	15.6	16.2	31.2	0.5	(D)	(D)
Washington	-	54	13	1.7	14.2	1.4	2.8	10.6	40.0	40.8	79.7	4.3	1.6	21.0
Wayne	-	44	12	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.3	33.4
Webster	-	10	2	0.1	0.9	0.1	0.2	0.7	1.4	1.5	2.8	(D)	(D)	(D)

See footnotes at end of table.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area	1977											1972		
	E ¹	All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mill- ions)	Wages (million dollars)						
COUNTIES—Con.														
Wheeler -----	E2	21	1	0.3	1.9	0.2	0.5	1.5	3.6	6.2	9.9	0.2	0.3	2.5
White -----	-	24	7	0.9	7.1	0.8	1.6	5.5	24.9	32.8	58.0	1.2	1.0	16.1
Whitfield -----	E1	344	134	18.6	187.1	14.6	30.6	122.3	493.9	1 129.8	1 597.3	40.3	19.4	316.1
Wilcox -----	-	10	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.3	1.5
Wilkes -----	-	55	16	1.6	13.1	1.4	2.7	9.6	35.5	62.6	97.6	2.8	1.5	16.0
Wilkinson -----	E1	23	3	0.3	1.6	0.2	0.3	1.2	3.2	4.0	7.2	0.7	0.2	1.0
Worth -----	E1	24	10	1.0	6.8	0.9	1.8	4.7	12.3	28.2	40.4	0.6	0.6	7.5
Columbus (independent city) -----	-	160	72	17.8	176.1	13.7	27.7	117.0	421.0	496.6	911.1	27.3	17.6	294.3
CITIES														
Adel -----	-	23	7	1.6	12.3	1.5	3.0	10.2	25.8	46.5	72.8	2.7	1.5	19.0
Albany -----	-	80	22	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	4.6	81.1
Alma -----	E2	22	6	1.1	8.6	0.9	1.8	6.9	33.7	52.2	94.0	(D)	0.7	4.3
Americus -----	-	49	16	1.5	11.5	1.3	2.3	8.4	27.9	39.4	66.4	(D)	3.1	39.1
Ashburn -----	-	10	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Athens -----	-	78	35	6.7	64.0	5.3	9.8	42.1	185.0	228.8	410.8	19.2	6.1	90.5
Atlanta -----	-	785	293	39.9	537.1	26.8	53.5	324.8	1 310.1	2 216.6	3 523.9	71.5	48.7	973.7
Augusta -----	-	104	50	8.1	86.5	6.0	12.4	54.1	183.9	328.2	510.3	(D)	8.8	129.5
Austell -----	E1	11	3	0.5	6.3	0.5	0.9	5.4	15.0	14.4	29.3	(D)	0.7	9.2
Bainbridge -----	-	43	14	2.7	25.0	2.2	4.6	17.3	71.8	80.9	152.6	(D)	1.6	22.3
Barnesville -----	-	11	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Baxley -----	-	39	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Bremen -----	-	17	8	3.4	29.9	3.1	5.9	22.6	55.0	58.9	111.8	0.8	3.8	44.3
Brunswick -----	-	80	20	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Buford -----	-	18	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.9	10.5
Cairo -----	-	26	9	2.0	14.6	1.8	3.5	11.6	28.8	43.6	72.7	9.3	1.5	9.9
Calhoun -----	-	64	35	4.4	40.6	3.5	6.7	25.3	89.5	173.1	260.1	(D)	4.5	68.6
Camilla -----	E1	25	8	0.7	4.6	0.6	1.2	3.8	8.8	17.1	25.7	0.6	0.5	3.9
Canton -----	-	34	7	1.9	14.2	1.6	3.1	10.5	20.0	25.0	44.6	(D)	1.3	15.3
Carrollton -----	-	56	24	6.1	61.2	4.6	9.3	42.7	103.0	637.2	746.2	8.6	4.7	43.1
Cartersville -----	-	60	37	6.5	56.2	5.4	10.3	41.0	132.3	325.1	454.1	11.1	6.4	105.2
Cedartown -----	-	27	13	2.3	22.2	1.9	3.4	16.1	56.8	85.8	143.2	2.5	(D)	(D)
Chamblee -----	-	99	24	2.7	34.0	1.6	3.1	16.7	99.5	87.2	186.8	2.7	(D)	(D)
Chatsworth -----	E1	65	27	2.8	30.0	2.5	5.1	23.4	71.5	143.5	210.7	6.1	1.3	25.9
Claxton -----	-	16	7	1.3	8.2	1.1	2.0	6.1	16.7	34.6	51.3	1.7	1.1	10.6
Cochran -----	-	15	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
College Park -----	-	40	9	0.7	8.2	0.4	0.8	3.8	16.7	24.4	40.7	1.7	0.6	12.1
Columbus -----	-	160	72	17.8	176.1	13.7	27.7	117.0	421.0	496.6	911.1	27.3	(NA)	(NA)
Commerce -----	-	13	4	1.2	8.5	1.1	2.2	7.5	18.1	25.5	44.7	(D)	1.5	15.1
Conyers -----	E1	44	18	1.4	12.9	1.1	2.0	8.3	32.9	40.0	72.8	(D)	2.2	39.1
Cordele -----	-	36	15	1.8	14.8	1.5	2.8	10.6	41.4	50.5	91.6	1.6	1.9	20.6
Cornelia -----	-	21	12	2.3	20.6	2.0	3.8	15.3	39.8	54.4	95.4	2.1	1.3	15.1
Covington -----	-	28	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Cuthbert -----	-	15	6	0.6	4.1	0.4	0.8	2.6	9.5	22.7	31.9	0.2	0.5	7.4
Dahlonega -----	E1	9	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Dalton -----	-	313	125	18.0	181.5	14.0	29.6	118.1	489.5	1 097.4	1 560.2	39.8	18.3	291.5
Dawson -----	-	13	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Decatur -----	E2	43	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.6	12.3
Doraville -----	-	53	13	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Douglas -----	-	43	11	2.3	20.1	2.0	3.1	15.0	39.8	90.0	126.6	3.9	2.7	31.6
Dublin -----	-	44	14	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	4.2	56.0
Eastman -----	-	27	6	1.0	6.6	0.9	1.6	5.0	13.6	18.3	31.5	(D)	1.0	10.8
East Point -----	-	55	16	1.6	20.0	1.0	2.0	10.8	54.1	76.0	128.4	3.4	(D)	(D)
Eatonton -----	-	16	5	1.2	9.6	1.1	2.0	8.0	22.3	38.1	60.0	1.9	1.2	16.9
Elberton -----	E1	100	28	2.4	21.5	1.9	4.3	16.2	45.1	24.0	66.6	2.7	1.7	14.5
Fairburn -----	-	16	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.6	20.0
Fitzgerald -----	-	39	14	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.4	16.4
Forest Park -----	-	27	10	0.9	12.3	0.7	1.3	9.2	58.0	80.1	136.8	5.6	1.4	37.3
Forsyth -----	-	33	8	2.0	14.9	1.8	3.4	11.9	38.0	128.6	168.4	(D)	2.0	22.3
Fort Valley -----	-	18	6	2.3	22.3	1.6	3.2	13.4	39.0	94.5	130.7	(D)	1.6	11.1
Gainesville -----	-	108	39	6.8	60.3	5.4	10.4	42.1	157.6	318.3	471.4	8.0	7.2	81.5
Garden City -----	-	12	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Glennville -----	E5	19	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Greensboro -----	-	28	9	0.9	6.3	0.8	1.4	4.7	14.6	20.6	34.5	0.8	0.6	4.3
Griffin -----	-	53	22	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Hapeville -----	-	9	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Hartwell -----	-	19	10	2.0	20.8	1.8	3.8	17.3	50.7	56.5	104.3	2.0	2.5	53.0
Hawkinsville -----	-	16	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	4.9
Hazlehurst -----	-	20	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Hogansville -----	-	13	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Homerville -----	-	24	5	0.9	7.2	0.8	1.5	6.4	9.3	25.9	35.2	0.9	(D)	(D)
Jackson -----	-	22	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Jesup -----	-	36	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.0	31.9
Jonesboro -----	E2	21	6	0.5	5.3	0.4	0.8	3.8	10.8	8.3	18.8	0.3	0.5	11.5
La Fayette -----	-	27	13	3.0	24.0	2.6	5.2	19.4	74.4	120.9	193.3	2.0	(D)	(D)
La Grange -----	-	64	35	6.9	72.3	5.5	11.7	50.4	174.6	207.7	386.8	16.6	5.1	59.1
Lawrenceville -----	-	37	17	1.5	14.2	1.2	2.5	9.1	30.6	37.1	66.8	2.8	1.6	17.2
McDonough -----	-	16	8	1.3	12.0	1.0	1.9	7.2	39.2	48.3	85.6	2.8	(D)	(D)
McRae -----	-	11	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.8	13.5
Macon -----	-	146	69	10.7	118.1	7.8	15.4	76.9	243.7	348.7	597.2	18.2	10.4	177.8
Madison -----	-	25	8	0.7	5.2	0.6	1.0	3.6	14.1	12.8	26.9	0.5	(D)	(D)
Manchester -----	-	13	5	2.7	20.4	2.5	5.0	17.1	56.6	33.4	91.0	1.8	2.4	34.3
Marietta -----	E2	85	30	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

See footnotes at end of table.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area	1977											1972		
	E ¹	All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)						
CITIES—Con.														
Milledgeville	-	26	8	2.3	24.0	1.8	3.4	16.7	67.8	59.9	126.7	(D)	1.9	36.7
Millen	-	11	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Monroe	-	23	13	2.5	18.5	2.2	4.2	14.4	35.9	70.5	102.1	2.2	2.4	22.5
Montezuma	-	9	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Morrow	-	13	4	0.5	6.7	0.3	0.6	3.2	37.2	37.1	73.9	1.1	(NA)	(NA)
Moutrie	-	68	19	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.6	22.0
Nashville	-	19	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Newnan	-	34	17	3.9	41.6	3.2	6.4	29.7	76.0	114.5	190.2	6.1	3.3	50.0
Norcross	-	20	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.9	19.7
Pelham	-	16	6	0.7	6.1	0.6	1.2	4.8	13.3	10.6	23.8	1.2	0.7	5.3
Perry	-	17	4	0.8	7.4	0.5	1.1	4.0	6.2	23.1	33.4	(D)	0.8	5.2
Port Wentworth	-	5	5	1.6	25.9	1.2	2.5	17.2	112.5	213.2	325.9	(D)	1.8	64.5
Quitman	-	20	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.6	4.6
Rockmart	-	10	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Rome	-	90	43	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	8.2	156.9
Rossville	-	16	12	2.6	23.2	2.0	4.0	15.4	37.5	72.9	111.5	2.7	3.1	40.9
St. Marys	-	6	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Sandersville	E1	33	10	1.5	12.4	1.2	2.4	9.3	36.0	37.0	72.1	4.1	1.2	16.9
Savannah	-	140	43	8.8	114.2	6.3	12.6	73.2	293.4	488.0	778.3	64.9	6.7	146.6
Statesboro	-	36	10	1.6	15.9	1.2	2.4	10.5	38.7	35.2	73.6	2.5	1.5	16.2
Summerville	-	22	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Swainsboro	-	45	13	2.0	13.5	1.8	3.3	11.2	32.1	36.2	67.7	2.9	2.0	19.8
Sylvania	E1	33	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.9	11.1
Sylvester	E1	19	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.6	7.1
Tallapoosa	-	15	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Thomaston	-	28	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Thomasville	-	60	21	3.8	36.8	2.6	5.3	21.0	70.2	177.7	247.1	4.5	3.3	33.4
Thomson	-	24	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.5	28.5
Tifton	-	57	22	2.5	21.5	1.9	3.8	15.1	57.4	102.2	155.4	2.4	3.3	52.7
Toccoa	-	45	22	4.3	43.2	3.6	7.2	33.4	75.4	144.3	216.5	(D)	5.1	48.3
Valdosta	-	82	27	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.0	55.2
Vidalia	-	31	12	2.0	13.4	1.7	3.2	10.3	23.1	22.3	44.6	1.3	2.3	21.5
Villa Rica	-	17	6	0.7	4.9	0.6	1.2	4.0	7.7	14.3	21.6	1.3	1.0	8.7
Warner Robins	E1	21	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Washington	-	42	12	1.4	11.8	1.2	2.4	8.5	31.9	52.0	83.6	2.7	1.4	14.8
Waycross	E1	70	18	1.9	14.8	1.6	2.9	10.8	33.6	46.4	79.1	(D)	2.9	28.0
Waynesboro	-	24	10	1.7	12.6	1.4	2.6	9.2	31.2	35.4	66.3	(D)	1.1	11.5
West Point	-	15	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.4	7.6
Winder	-	22	14	2.0	15.7	1.6	3.0	10.0	31.9	41.8	74.0	2.7	2.0	16.3

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Including central administrative offices and auxiliaries (for definition, see appendix B).

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital ex- pend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	All industries -----	-	8 623	2 906	484.7	5 124.5	376.2	740.6	3 404.4	12 548.8	20 365.4	32 856.4	1 143.4	467.2	7 369.7

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
20	Food and kindred products -----	-	504	285	47.1	480.9	34.2	67.0	299.8	1 362.2	3 448.1	4 844.8	120.9	46.2	832.0
201	Meat products -----	-	158	70	15.4	129.9	13.1	25.0	98.9	243.6	1 014.4	1 251.1	16.5	14.1	137.2
2011	Meat packing plants -----	E1	82	20	3.2	34.3	2.6	5.7	26.5	57.0	349.3	405.5	3.8	3.5	39.8
2013	Sausages and other prepared meats -----	-	37	16	1.7	19.8	1.3	2.5	13.2	41.3	151.7	192.7	2.0	1.0	13.7
2016	Poultry dressing plants -----	-	30	27	9.6	69.6	8.5	15.5	54.8	131.6	464.7	590.3	9.5	8.7	77.8
2017	Poultry and egg processing -----	-	9	7	0.8	6.2	0.6	1.3	4.5	13.7	48.8	62.6	1.2	1.0	5.9
202	Dairy products -----	-	36	21	2.7	29.8	1.2	3.0	12.1	59.6	189.5	249.2	3.5	3.1	54.3
2024	Ice cream and frozen desserts -----	-	8	5	0.5	4.5	0.2	0.4	1.8	8.5	23.8	32.5	0.5	BB	(D)
2026	Fluid milk -----	-	23	16	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.1	38.1
203	Preserved fruits and vegetables -----	-	36	20	4.3	39.5	3.6	7.0	29.4	139.7	251.9	392.5	12.5	3.7	40.3
2033	Canned fruits and vegetables -----	E1	10	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.9	4.7
2034	Dehydrated fruits, vegetables, and soups -----	-	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2035	Pickles, sauces, and salad dressings -----	-	11	7	1.6	17.6	1.3	2.6	13.5	74.3	171.3	246.6	5.1	CC	(D)
2037	Frozen fruits and vegetables -----	-	4	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2038	Frozen specialties -----	-	8	5	0.8	8.4	0.6	1.2	5.3	28.0	33.6	61.6	4.2	0.7	16.2
204	Grain mill products -----	-	101	35	2.5	30.3	1.7	3.6	17.3	122.3	566.7	688.8	5.4	2.7	60.8
2041	Flour and other grain mill products -----	E3	18	3	0.2	2.5	0.1	0.3	1.2	4.8	20.5	25.2	0.1	AA	(D)
2045	Blended and prepared flour -----	-	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2047	Dog, cat, and other pet food -----	-	6	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2048	Prepared feeds, n.e.c. -----	-	74	27	1.4	16.4	0.9	2.0	9.1	63.3	467.9	530.9	3.2	1.7	45.1
205	Bakery products -----	-	57	32	9.0	108.7	5.7	11.1	61.0	313.4	226.0	540.9	17.0	7.9	168.4
2051	Bread, cake, and related products -----	-	46	23	4.9	60.7	2.2	4.1	23.5	144.0	97.7	241.7	7.0	4.5	74.8
2052	Cookies and crackers -----	-	11	9	4.1	48.0	3.5	7.0	37.5	169.4	128.4	299.2	10.1	3.4	93.7
206	Sugar and confectionery products -----	-	24	13	3.9	42.2	3.1	6.4	28.0	168.1	332.5	493.7	5.1	3.6	81.4
2062	Cane sugar refining -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2065	Confectionery products -----	-	22	11	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
2067	Chewing gum -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
207	Fats and oils -----	-	27	18	1.2	15.4	0.9	1.9	9.8	18.7	411.0	477.1	7.3	1.2	43.7
2075	Soybean oil mills -----	-	4	4	0.3	3.2	0.2	0.4	2.0	-24.7	235.4	251.2	(D)	BB	(D)
2077	Animal and marine fats and oils -----	-	12	5	0.2	3.2	0.1	0.3	1.4	14.4	27.2	41.1	1.2	AA	(D)
2079	Shortening and cooking oils -----	-	4	4	0.5	7.4	0.4	0.8	5.2	25.5	140.7	171.6	4.6	0.5	14.8
208	Beverages -----	E1	85	58	4.8	58.2	2.1	4.3	24.4	208.3	323.0	530.6	49.3	5.5	167.7
2082	Malt beverages -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2086	Bottled and canned soft drinks -----	E2	67	49	3.6	37.7	1.4	2.8	12.0	86.4	154.2	240.6	(D)	4.4	62.7
2087	Flavoring extracts and sirups, n.e.c. -----	-	14	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
209	Miscellaneous foods and kindred products -----	-	80	18	3.4	26.9	2.8	4.8	18.9	88.5	133.1	221.1	4.3	4.4	78.2
2092	Fresh or frozen packaged fish -----	E2	15	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.6	12.6
2097	Manufactured ice -----	-	28	1	0.2	1.5	0.1	0.2	0.9	3.6	1.6	5.2	1.2	AA	(D)
2099	Food preparations, n.e.c. -----	-	32	11	1.6	16.7	1.3	2.3	11.6	64.6	73.7	137.7	2.2	2.5	60.3
21	Tobacco products -----	-	4	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2111	Cigarettes -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2121	Cigars -----	-	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
22	Textile mill products -----	-	691	431	116.6	1 068.1	100.3	205.4	823.3	2 433.8	4 331.9	6 729.3	173.0	111.6	1 562.4
2211	Weaving mills, cotton -----	-	50	40	29.1	255.4	26.3	53.1	215.1	517.4	665.0	1 173.5	44.1	27.7	318.3
2221	Weaving mills, manmade fiber and silk -----	-	27	24	11.3	110.9	9.5	20.1	83.6	264.8	303.2	566.5	23.7	FF	(D)
2231	Weaving and finishing mills, wool -----	-	4	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2241	Narrow fabric mills -----	E7	12	4	0.3	2.5	0.3	0.6	2.1	4.3	3.9	8.2	0.1	BB	(D)
225	Knitting mills -----	-	48	34	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	5.8	51.8
2251	Women's hosiery, except socks -----	E0	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2252	Hosiery, n.e.c. -----	-	22	15	1.9	12.4	1.6	3.0	10.0	22.9	30.0	52.1	0.7	1.9	12.9
2253	Knit outerwear mills -----	-	5	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2254	Knit underwear mills -----	-	3	3	1.0	6.2	1.0	1.7	5.8	19.2	10.3	28.1	(D)	EE	(D)
2257	Circular knit fabric mills -----	-	9	8	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.6	17.8
226	Textile finishing, except wool -----	-	50	39	6.4	59.8	5.4	11.0	41.9	103.8	161.3	266.7	15.6	4.4	48.2
2261	Finishing plants, cotton -----	-	11	9	2.3	19.1	1.9	4.0	14.0	29.7	35.9	66.9	1.9	1.9	18.1
2262	Finishing plants, synthetics -----	-	18	16	2.8	29.5	2.3	4.9	19.6	50.2	79.4	130.2	11.8	CC	(D)
2269	Finishing plants, n.e.c. -----	-	21	14	1.3	11.2	1.1	2.1	8.2	23.9	46.0	69.6	1.9	EE	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

Includes industry groups and industries with 100 employees or more. For explanation of terms, see appendix B.															
SIC code	Industry	1977											1972		
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
22	Textile mill products— Con.														
227	Floor covering mills -----	-	318	166	30.4	300.3	24.2	50.6	201.4	901.6	1 980.4	2 868.5	52.9	30.3	578.5
2271	Woven carpets and rugs -----	E9	16	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2272	Tufted carpets and rugs -----	-	285	161	30.0	296.9	23.9	50.0	199.3	892.3	1 964.7	2 844.2	52.0	FF	(D)
2279	Carpets and rugs, n.e.c. -----	E1	17	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
228	Yarn and thread mills -----	-	108	90	25.1	221.0	22.5	46.5	186.5	406.8	702.8	1 107.3	24.9	22.3	255.0
2281	Yarn mills, except wool -----	-	62	55	16.7	146.3	15.1	31.6	125.6	279.2	459.7	738.1	14.1	13.8	155.4
2282	Throwing and winding mills -----	-	26	23	4.4	40.0	3.9	8.0	32.1	70.1	131.0	201.9	8.0	2.5	42.9
2283	Wool yarn mills -----	-	13	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
2284	Thread mills -----	-	7	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
229	Miscellaneous textile goods -----	-	74	31	7.1	61.6	6.1	11.8	47.4	113.3	336.1	445.2	7.1	7.1	92.7
2294	Processed textile waste -----	-	5	4	0.4	3.5	0.4	0.8	2.9	5.6	9.5	15.0	0.3	AA	(D)
2296	Tire cord and fabric -----	-	5	5	4.0	36.4	3.5	6.8	30.0	61.7	261.8	318.8	2.4	5.0	66.8
2297	Nonwoven fabrics -----	-	5	3	0.9	8.4	0.7	1.4	6.0	18.4	34.5	52.8	(D)	BB	(D)
2298	Cordage and twine -----	-	17	10	1.3	9.0	1.1	2.0	5.4	20.6	17.8	38.0	0.6	EE	(D)
2299	Textile goods, n.e.c. -----	E8	29	5	0.3	2.0	0.2	0.5	1.5	4.6	5.1	9.6	1.1	0.2	3.1
23	Apparel and other textile products -----	-	622	457	76.2	498.8	66.1	119.1	382.6	992.4	1 141.5	2 122.3	28.8	75.0	639.6
2311	Men's and boys' suits and coats -----	-	27	26	6.8	49.3	6.1	11.2	39.0	99.9	91.2	186.2	(D)	FF	(D)
232	Men's and boys' furnishings -----	-	185	171	32.8	203.7	29.2	52.4	162.4	401.4	405.3	800.3	(D)	32.4	252.5
2321	Men's and boys' shirts and nightwear -----	-	42	40	9.2	55.8	8.5	15.6	48.3	109.3	103.0	212.5	(D)	11.5	93.8
2322	Men's and boys' underwear -----	-	5	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2327	Men's and boys' separate trousers -----	-	58	56	9.5	60.0	8.5	15.0	46.1	107.1	105.7	210.4	(D)	10.9	81.1
2328	Men's and boys' work clothing -----	-	57	53	10.9	70.4	9.5	17.2	53.2	157.9	169.0	323.1	(D)	6.8	57.3
2329	Men's and boys' clothing, n.e.c. -----	-	22	17	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
233	Women's and misses' outerwear -----	-	159	106	11.0	66.3	9.3	16.4	48.3	129.6	133.4	263.3	(D)	8.7	67.8
2331	Women's and misses' blouses and waists -----	-	34	28	3.5	19.6	2.9	5.0	13.4	39.9	34.9	73.7	0.9	1.8	19.6
2335	Women's and misses' dresses -----	E2	59	26	2.4	13.5	2.0	3.4	10.1	22.3	17.2	39.5	1.7	3.0	17.9
2337	Women's and misses' suits and coats -----	-	15	12	1.1	7.1	1.1	1.8	6.0	13.2	7.9	21.1	(D)	1.1	6.9
2339	Women's and misses' outerwear, n.e.c. -----	-	51	40	4.0	26.1	3.4	6.1	18.7	54.2	73.4	129.0	1.8	2.9	23.3
234	Women's and children's undergarments -----	-	33	32	9.0	55.6	7.6	13.4	44.6	124.4	103.7	227.5	(D)	10.8	103.6
2341	Women's and children's underwear -----	-	25	25	6.5	35.5	5.7	9.8	30.8	58.1	48.7	106.8	2.6	6.5	46.3
2342	Brassieres and allied garments -----	-	8	7	2.5	20.1	1.9	3.6	13.8	66.3	55.0	120.7	1.0	4.4	57.4
235	Hats, caps, and millinery -----	E1	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
236	Children's outerwear -----	-	26	24	2.9	16.7	2.6	4.6	13.8	33.6	24.7	59.0	(D)	2.5	18.3
2361	Children's dresses and blouses -----	E1	8	6	0.4	2.0	0.4	0.5	1.7	2.8	1.0	4.0	(Z)	CC	(D)
2363	Children's coats and suits -----	E5	5	5	0.3	1.8	0.3	0.5	1.4	2.4	1.4	3.9	0.1	BB	(D)
2369	Children's outerwear, n.e.c. -----	-	13	13	2.2	12.9	2.0	3.6	10.8	28.3	22.2	51.2	(D)	1.4	10.8
238	Miscellaneous apparel and accessories -----	-	35	25	2.2	14.3	1.8	3.2	9.7	27.8	32.3	58.9	(D)	EE	(D)
2381	Fabric dress and work gloves -----	-	8	7	0.5	3.1	0.5	0.9	2.7	8.0	8.1	16.3	0.2	CC	(D)
2384	Robes and dressing gowns -----	-	5	4	0.3	1.8	0.3	0.5	1.5	3.3	2.7	6.1	(Z)	AA	(D)
2385	Waterproof outer garments -----	-	10	8	0.9	5.9	0.7	1.2	3.9	10.3	12.4	22.3	0.1	0.9	6.7
2387	Apparel belts -----	-	5	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2389	Apparel and accessories, n.e.c. -----	-	6	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
239	Miscellaneous fabricated textile products -----	-	149	69	11.3	91.0	9.1	17.8	63.5	173.7	348.9	523.1	(D)	10.2	112.6
2391	Curtains and draperies -----	-	35	14	1.8	11.9	1.5	2.9	8.9	24.6	27.0	52.0	0.4	1.7	11.8
2392	House furnishings, n.e.c. -----	-	44	27	5.1	36.9	4.0	7.6	23.8	73.3	215.4	287.0	4.0	5.1	60.4
2393	Textile bags -----	-	7	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	6.5
2394	Canvas and related products -----	-	10	2	0.3	2.7	0.3	0.5	1.8	5.0	7.5	12.3	(D)	AA	(D)
2395	Pleating and stitching -----	-	6	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2399	Fabricated textile products, n.e.c. -----	-	32	17	3.2	32.4	2.6	5.4	23.5	56.7	80.5	139.5	2.5	2.3	28.2
24	Lumber and wood products -----	E1	2 189	249	24.3	217.0	21.1	40.0	167.2	541.1	867.2	1 395.9	53.5	28.2	367.6
2411	Logging camps and logging contractors -----	E5	1 483	17	3.8	36.1	3.5	5.2	29.7	88.6	112.2	199.5	13.1	4.4	45.2
242	Sawmills and planing mills -----	-	353	105	8.4	70.1	7.5	14.9	56.0	183.0	302.0	478.6	23.7	7.6	97.1
2421	Sawmills and planing mills, general -----	-	337	101	8.0	66.7	7.1	14.2	53.3	176.9	297.3	467.7	(D)	6.6	90.3
2426	Hardwood dimension and flooring -----	-	14	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.9	6.0

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B.															
SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
24	Lumber and wood products—Con.														
243	Millwork, plywood, and structural members -----	-	158	43	4.2	42.8	3.6	7.4	32.4	128.2	193.6	319.1	7.1	4.6	65.1
2431	Millwork -----	-	49	12	0.8	7.3	0.6	1.2	4.9	20.3	40.2	60.5	0.6	EE	(D)
2434	Wood kitchen cabinets -----	-	70	6	0.8	7.4	0.7	1.3	5.6	12.0	13.5	25.7	0.4	EE	(D)
2435	Hardwood veneer and plywood -----	-	15	14	1.0	9.3	0.9	1.7	7.0	37.5	64.5	99.1	0.7	EE	(D)
2436	Softwood veneer and plywood -----	-	5	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.0	22.3
2439	Structural wood members, n.e.c. -----	-	19	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
244	Wood containers -----	-	63	21	1.9	13.4	1.8	3.2	10.9	24.4	26.0	49.7	1.0	1.9	16.6
2448	Wood pallets and skids -----	E1	45	11	0.6	4.3	0.6	0.9	3.6	7.4	10.4	17.6	(D)	0.3	2.7
2449	Wood containers, n.e.c. -----	-	13	7	1.2	8.1	1.1	2.1	6.4	15.6	13.9	29.1	0.5	1.1	9.9
245	Wood buildings and mobile homes -----	-	56	35	3.4	32.1	2.6	5.0	20.9	58.4	139.5	198.5	4.9	7.5	108.1
2451	Mobile homes -----	-	43	30	2.8	26.4	2.2	4.3	18.4	48.7	120.5	169.9	(D)	6.4	93.0
2452	Prefabricated wood buildings -----	-	13	5	0.6	5.7	0.4	0.6	2.5	9.8	18.9	28.6	(D)	1.1	15.1
249	Miscellaneous wood products -----	-	76	28	2.6	22.5	2.2	4.3	17.3	58.4	93.9	150.5	(D)	2.2	35.5
2491	Wood preserving -----	-	26	13	1.1	9.4	0.9	2.0	7.4	25.9	51.5	76.1	2.2	0.9	17.1
2492	Particleboard -----	-	4	4	0.4	4.8	0.4	0.8	3.7	15.4	19.3	34.7	0.6	AA	(D)
2499	Wood products, n.e.c. -----	E1	46	11	1.1	8.3	0.9	1.6	6.2	17.2	23.1	39.7	(D)	EE	(D)
25	Furniture and fixtures -----	-	228	94	9.2	77.3	7.9	14.8	56.2	175.0	178.5	347.8	6.9	10.2	125.1
251	Household furniture -----	-	149	63	6.3	49.1	5.5	10.3	36.1	102.6	122.7	223.0	(D)	8.2	97.0
2511	Wood household furniture -----	E1	79	27	2.6	18.6	2.4	4.6	15.4	43.6	44.1	86.4	(D)	3.6	37.4
2512	Upholstered household furniture -----	E1	22	13	1.7	13.4	1.4	2.6	8.7	22.9	27.4	50.0	0.4	2.0	25.1
2514	Metal household furniture -----	-	7	3	0.4	2.4	0.4	0.7	2.1	7.8	9.2	16.9	0.2	CC	(D)
2515	Mattresses and bedsprings -----	-	34	18	1.4	13.6	1.1	2.1	9.1	26.4	40.3	66.0	0.7	1.4	21.1
252	Office furniture -----	-	11	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2522	Metal office furniture -----	-	7	5	0.7	6.9	0.6	1.1	5.5	22.3	16.0	37.5	(D)	BB	(D)
254	Partitions and fixtures -----	-	39	13	1.1	12.2	0.9	1.6	7.8	25.3	22.2	45.9	(D)	1.0	13.0
2541	Wood partitions and fixtures -----	-	26	5	0.5	5.7	0.3	0.7	3.6	9.5	7.2	16.0	(D)	0.7	11.4
2542	Metal partitions and fixtures -----	-	13	8	0.6	6.5	0.5	1.0	4.1	15.8	15.0	29.9	(D)	0.3	1.7
259	Miscellaneous furniture and fixtures -----	-	26	10	1.0	8.4	0.8	1.6	6.3	23.5	16.5	38.9	(D)	0.7	10.6
2591	Drapery hardware and blinds and shades -----	-	11	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2599	Furniture and fixtures, n.e.c. -----	E1	15	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
26	Paper and allied products -----	-	177	114	26.2	378.5	20.5	41.0	278.6	950.4	1 575.2	2 522.4	192.7	24.2	600.9
2611	Pulp mills -----	-	3	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2621	Paper mills, except building paper -----	-	4	4	1.5	25.9	1.1	2.4	18.9	70.5	170.6	240.9	(D)	EE	(D)
2631	Paperboard mills -----	-	12	12	7.2	122.7	5.5	11.6	94.4	306.9	482.3	785.7	88.5	7.5	267.1
264	Miscellaneous converted paper products -----	-	67	34	7.2	89.5	5.8	11.4	65.8	232.3	407.2	634.9	27.6	5.8	110.2
2641	Paper coating and glazing -----	-	9	6	1.0	13.6	0.7	1.5	8.6	30.2	65.2	94.9	(D)	(NA)	(NA)
2642	Envelopes -----	-	6	5	0.6	6.6	0.5	0.8	4.3	14.5	13.2	26.8	(D)	0.5	9.1
2643	Bags, except textile bags -----	-	18	13	3.6	44.2	3.0	5.8	34.6	91.2	168.1	260.1	8.8	4.1	77.6
2645	Die-cut paper and board -----	E2	9	2	0.2	2.9	0.2	0.4	1.9	8.5	7.3	15.9	0.3	0.2	6.5
2646	Pressed and molded pulp goods -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2647	Sanitary paper products -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2648	Stationery products -----	-	4	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
265	Paperboard containers and boxes -----	-	87	57	6.8	87.8	5.2	10.3	59.2	185.8	314.5	498.6	13.2	7.2	127.9
2651	Folding paperboard boxes -----	-	9	8	1.7	25.1	1.2	2.5	15.3	45.3	78.3	123.4	3.4	1.8	36.8
2652	Setup paperboard boxes -----	-	6	5	0.2	1.2	0.1	0.2	0.8	2.1	1.7	3.7	(Z)	0.2	1.8
2653	Corrugated and solid fiber boxes -----	-	42	26	2.8	37.0	2.1	4.3	24.5	73.1	138.3	211.1	5.8	3.0	45.4
2654	Sanitary food containers -----	-	11	8	1.2	14.4	1.0	1.8	10.9	41.5	58.9	99.3	2.8	1.3	30.1
2655	Fiber cans, drums, and similar products -----	-	19	10	0.9	10.1	0.7	1.5	7.7	23.9	37.3	61.1	1.2	0.9	13.9
2661	Building paper and board mills -----	-	4	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
27	Printing and publishing -----	E1	934	158	16.9	196.5	10.8	19.9	113.6	422.7	237.1	658.2	22.0	14.7	248.6
2711	Newspapers -----	-	198	37	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	5.4	102.1
2721	Periodicals -----	E1	44	6	0.5	6.6	0.2	0.4	1.8	18.4	4.8	23.0	0.2	0.2	6.9
273	Books -----	E1	31	9	0.6	6.9	0.4	0.7	3.5	14.1	8.5	22.3	0.4	0.3	4.6
2731	Book publishing -----	E1	20	2	0.3	3.8	0.1	0.2	1.2	9.0	4.0	12.7	0.2	(NA)	(NA)
2732	Book printing -----	-	11	7	0.3	3.0	0.2	0.5	2.3	5.1	4.5	9.6	0.2	0.2	3.1
2741	Miscellaneous publishing -----	E3	29	4	0.3	3.9	0.2	0.3	1.3	7.2	4.4	11.6	0.3	0.2	3.7

See footnotes at end of table.

**Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.**

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	E ¹	1977											1972	
			All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
27	Printing and publishing—Con.														
275	Commercial printing	E1	529	67	6.4	81.6	5.0	9.1	56.0	151.2	115.5	265.7	8.5	6.6	104.9
2751	Commercial printing, letterpress	E2	289	18	2.0	21.3	1.6	2.8	15.0	39.9	37.4	77.1	1.7	2.6	40.3
2752	Commercial printing, lithographic	-	221	46	4.2	58.1	3.3	6.0	39.4	107.0	75.6	181.9	6.5	3.9	63.2
2761	Manifold business forms	-	28	16	1.1	12.2	0.8	1.6	8.6	35.8	26.8	62.5	2.4	BB	(D)
278	Blankbooks and bookbinding ..	-	23	10	1.4	11.7	1.2	2.3	8.5	24.3	12.8	36.9	0.7	1.2	12.5
2782	Blankbooks and looseleaf binders	-	9	5	0.4	4.3	0.4	0.7	3.0	10.1	4.7	14.8	0.1	0.4	4.7
2789	Bookbinding and related work	-	14	5	1.0	7.4	0.9	1.6	5.5	14.2	8.1	22.2	0.6	0.7	7.8
279	Printing trade services	E2	51	8	0.5	7.1	0.4	0.7	4.7	12.1	2.8	14.9	0.5	0.4	6.2
2791	Typesetting	E3	39	4	0.3	4.1	0.3	0.5	3.1	7.3	1.3	8.5	0.4	0.2	2.9
28	Chemicals and allied products	-	335	146	14.9	199.3	9.2	18.4	106.6	1 140.6	1 257.8	2 387.3	222.7	13.7	515.3
281	Industrial inorganic chemicals ..	-	39	14	1.6	24.7	1.1	2.4	15.9	108.1	158.8	265.2	15.9	1.5	58.1
2812	Alkalies and chlorine	-	3	3	0.3	4.9	0.2	0.4	3.2	30.4	26.4	56.7	(D)	0.3	12.4
2816	Inorganic pigments	-	3	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.7	28.1
2819	Industrial inorganic chemicals, n.e.c.	-	18	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.3	13.6
282	Plastics materials and synthetics	-	15	11	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.1	30.7
2821	Plastics materials and resins ..	-	11	7	0.3	4.8	0.2	0.5	3.0	26.8	68.8	94.0	14.7	0.2	12.0
2824	Organic fibers, noncellulosic ..	-	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
283	Drugs	-	24	8	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.0	45.9
2833	Medicinals and botanicals	-	3	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2834	Pharmaceutical preparations ..	-	12	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
284	Soaps, cleaners, and toilet goods	-	63	28	2.7	36.7	1.6	3.0	16.9	260.7	209.6	469.1	6.6	3.3	176.1
2841	Soap and other detergents ..	-	23	16	1.6	22.4	0.8	1.6	9.2	163.6	122.8	284.7	4.2	1.3	89.7
2842	Polishes and sanitation goods	-	23	9	0.9	10.3	0.6	1.2	6.6	85.6	68.5	152.5	1.9	1.6	71.0
2851	Paints and allied products	-	37	14	1.7	22.3	0.8	1.6	8.6	108.2	125.4	233.5	4.5	1.6	57.8
286	Industrial organic chemicals	-	25	13	2.2	32.4	1.5	3.1	19.8	128.5	190.6	319.9	19.5	1.4	50.7
2861	Gum and wood chemicals	-	8	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2869	Industrial organic chemicals, n.e.c.	-	15	10	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
287	Agricultural chemicals	-	60	33	2.6	30.7	1.7	3.2	16.2	168.3	265.0	430.7	(D)	2.5	46.8
2873	Nitrogenous fertilizers	-	6	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2874	Phosphatic fertilizers	-	8	8	0.6	5.5	0.4	0.7	3.3	22.1	54.8	77.2	2.1	0.8	12.5
2875	Fertilizers, mixing only	-	30	13	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.6	10.1
2879	Agricultural chemicals, n.e.c. ..	-	16	9	0.7	8.9	0.4	0.8	4.0	51.7	77.3	130.7	6.7	BB	(D)
289	Miscellaneous chemical products	-	72	25	1.6	18.6	0.9	1.7	8.9	93.1	124.1	214.8	5.2	1.4	49.2
2891	Adhesives and sealants	-	20	9	0.6	6.8	0.4	0.8	3.5	31.0	55.6	87.5	2.3	0.5	17.3
2893	Printing ink	-	16	6	0.3	3.6	0.2	0.3	1.9	11.4	16.8	27.6	0.2	0.2	5.2
2899	Chemical preparations, n.e.c.	-	36	10	0.7	8.3	0.3	0.6	3.5	50.7	51.7	99.7	2.7	0.7	26.7
29	Petroleum and coal products	-	52	13	1.1	15.5	0.9	2.0	11.3	51.5	178.5	227.8	(D)	1.3	43.1
295	Paving and roofing materials	-	39	7	0.9	11.5	0.7	1.6	9.1	39.6	96.1	134.0	3.1	1.0	32.7
2951	Paving mixtures and blocks	-	32	1	0.2	2.5	0.2	0.4	2.0	6.5	33.6	40.2	0.2	0.5	10.3
2952	Asphalt felts and coatings	-	7	6	0.6	9.0	0.5	1.2	7.1	33.1	62.5	93.8	2.9	0.6	22.4
30	Rubber and miscellaneous plastics products	-	210	106	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	10.2	206.7
3011	Tires and inner tubes	-	12	8	2.6	33.7	2.1	4.1	25.3	108.4	111.7	216.6	3.3	EE	(D)
3021	Rubber and plastics footwear ..	-	4	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3069	Fabricated rubber products, n.e.c.	-	34	22	3.4	32.2	2.7	5.6	23.4	66.6	90.8	155.0	7.9	EE	(D)
3079	Miscellaneous plastics products	-	158	71	5.5	54.0	4.4	8.6	36.3	142.9	195.3	334.8	41.0	3.6	60.0
31	Leather and leather products	-	36	19	3.1	18.1	2.7	4.7	15.0	35.3	44.6	78.9	(D)	4.4	34.4
3111	Leather tanning and finishing ..	-	3	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
314	Footwear, except rubber	-	11	11	2.1	12.5	1.9	3.2	10.3	24.4	29.1	53.6	(D)	3.4	27.6
3142	House slippers	-	4	4	0.4	2.7	0.4	0.5	1.9	5.1	6.7	12.3	(D)	AA	(D)
3143	Men's footwear, except athletic	-	4	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.7	22.6
3149	Footwear, except rubber, n.e.c.	E6	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
317	Handbags and other personal leather goods	-	7	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3171	Women's handbags and purses	-	6	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
32	Stone, clay, and glass products -----	-	491	148	14.9	164.6	11.6	23.6	115.4	450.4	399.0	846.1	47.7	16.6	300.8
322	Glass and glassware, pressed or blown -----	-	6	3	1.7	24.6	1.5	3.0	21.1	62.5	35.7	97.9	3.9	EE	(D)
3221	Glass containers -----	-	3	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3231	Products of purchased glass ---	E1	17	7	0.5	4.1	0.4	1.2	3.2	14.9	17.7	32.1	0.3	0.3	3.9
3241	Cement, hydraulic -----	-	3	3	0.4	6.7	0.3	0.6	5.1	18.8	25.1	44.1	(D)	0.4	16.1
325	Structural clay products -----	-	16	12	2.6	26.0	1.9	3.7	16.5	63.9	54.9	118.6	3.1	3.7	59.8
3251	Brick and structural clay tile -	-	9	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.1	33.9
3255	Clay refractories -----	-	4	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3259	Structural clay products, n.e.c. -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
326	Pottery and related products ---	-	15	3	0.4	4.6	0.4	0.7	3.5	10.8	7.7	18.8	(D)	BB	(D)
3261	Vitreous plumbing fixtures ---	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3264	Porcelain electrical supplies -	-	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
327	Concrete, gypsum, and plaster products -----	E1	287	75	5.1	54.7	3.7	7.2	33.8	128.0	166.5	293.9	15.5	6.4	114.9
3271	Concrete block and brick ---	-	35	12	0.6	6.3	0.4	0.8	3.5	16.1	21.0	36.7	2.8	CC	(D)
3272	Concrete products, n.e.c. ---	E2	119	28	1.8	18.0	1.5	2.8	12.1	37.3	29.7	66.3	(D)	2.0	32.6
3273	Ready-mixed concrete -----	E1	127	32	2.3	23.6	1.4	2.7	12.7	57.1	83.8	140.9	9.2	2.8	43.8
3275	Gypsum products -----	-	5	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	17.2
3281	Cut stone and stone products -	E1	107	29	1.9	17.8	1.6	3.6	13.9	32.7	17.2	49.3	1.6	2.3	24.6
329	Miscellaneous nonmetallic mineral products -----	-	40	16	2.2	26.0	1.8	3.6	18.4	118.8	74.2	191.4	18.6	1.7	41.2
3295	Minerals, ground or treated --	-	10	6	0.7	7.3	0.5	1.2	5.3	24.2	21.4	44.7	4.1	0.5	11.2
3296	Mineral wool -----	-	7	5	1.1	14.4	0.9	1.9	10.3	86.2	44.2	129.2	13.6	CC	(D)
3297	Nonclay refractories -----	-	5	2	0.2	2.8	0.2	0.3	1.7	4.5	5.1	10.2	(D)	AA	(D)
33	Primary metal industries -----	-	85	47	12.6	160.8	9.5	19.7	111.9	329.2	1 078.8	1 416.6	33.9	11.0	130.8
331	Blast furnace and basic steel products -----	-	17	9	2.7	37.8	2.2	4.3	28.6	63.2	122.5	188.3	4.9	2.0	26.0
3312	Blast furnaces and steel mills -----	-	7	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3315	Steel wire and related products -----	-	5	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3317	Steel pipe and tubes -----	-	4	4	0.4	4.3	0.4	0.8	3.2	11.4	26.3	37.9	(D)	AA	(D)
332	Iron and steel foundries -----	E1	19	12	1.5	16.4	1.3	2.5	12.0	30.7	17.8	48.4	(D)	2.2	21.8
3321	Gray iron foundries -----	E1	14	9	1.3	14.5	1.1	2.1	10.5	27.2	16.1	43.1	(D)	1.3	15.3
3325	Steel foundries, n.e.c. -----	E1	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3341	Secondary nonferrous metals --	-	7	4	0.6	7.7	0.5	1.1	5.7	26.7	47.2	73.2	2.7	(NA)	(NA)
335	Nonferrous rolling and drawing -	-	20	16	7.3	93.4	5.1	11.1	61.7	198.6	878.5	1 084.0	15.7	6.3	76.2
3351	Copper rolling and drawing --	-	2	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3354	Aluminum extruded products -	-	7	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.2	35.8
3357	Nonferrous wire drawing and insulating -----	-	9	8	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	4.0	37.3
336	Nonferrous foundries -----	-	14	5	0.4	4.9	0.3	0.6	3.6	8.8	11.3	20.1	(D)	AA	(D)
3361	Aluminum foundries -----	-	11	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
34	Fabricated metal products -----	-	464	180	19.2	203.1	15.4	30.0	143.6	494.1	649.1	1 134.3	26.2	18.2	294.9
341	Metal cans and shipping containers -----	-	16	10	1.8	23.8	1.5	3.1	19.5	61.8	115.7	175.3	2.8	1.9	42.5
3411	Metal cans -----	-	12	8	1.7	22.7	1.4	3.0	18.8	59.1	111.4	168.2	2.7	EE	(D)
342	Cutlery, hand tools, and hardware -----	E1	22	3	0.3	3.7	0.3	0.5	2.5	8.1	8.9	17.3	0.5	0.3	4.9
3429	Hardware, n.e.c. -----	-	12	2	0.2	2.3	0.2	0.3	1.6	4.2	6.4	11.1	(D)	BB	(D)
343	Plumbing and heating, except electric -----	-	12	6	1.0	8.0	0.7	1.4	5.3	24.5	33.3	58.1	0.8	0.9	14.9
3432	Plumbing fittings and brass goods -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3433	Heating equipment, except electric -----	-	11	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
344	Fabricated structural metal products -----	-	270	110	10.2	110.6	7.8	14.8	73.0	266.3	348.8	610.1	11.0	9.4	154.7
3441	Fabricated structural metal --	-	48	22	1.4	17.2	1.1	2.2	11.2	39.3	61.1	99.1	2.3	1.4	20.9
3442	Metal doors, sash, and trim --	-	43	22	2.6	22.5	1.9	3.5	13.7	53.4	84.5	135.2	3.1	3.2	37.5
3443	Fabricated plate work (boiler shops) -----	-	25	19	2.8	31.9	2.3	4.3	24.8	76.7	50.5	127.2	2.7	1.7	39.1
3444	Sheet metal work -----	E1	83	26	1.3	14.1	0.9	1.7	8.4	32.4	51.8	84.1	1.7	1.2	20.8
3446	Architectural metal work ---	E1	35	5	0.4	3.9	0.3	0.6	2.4	9.2	8.2	17.1	0.2	0.5	6.9
3448	Prefabricated metal buildings -----	-	17	8	0.9	10.1	0.7	1.4	6.7	32.0	45.8	77.5	0.7	0.8	23.7
3449	Miscellaneous metal work ---	-	19	8	0.8	11.0	0.5	1.1	5.8	23.3	47.0	69.8	0.3	0.4	5.9
345	Screw machine products, bolts, etc. -----	E2	10	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry		1977											1972		
			E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
				Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
34	Fabricated metal products—Con.															
346	Metal forgings and stampings ---	-	33	17	3.3	27.9	3.0	5.9	23.6	61.7	70.1	130.6	4.6	2.6	31.8	
3465	Automotive stampings -----	-	8	8	2.1	18.2	1.9	3.9	15.7	38.9	45.2	83.1	2.6	EE	(D)	
3469	Metal stampings, n.e.c. -----	-	25	9	1.2	9.7	1.1	2.0	7.8	22.8	24.9	47.5	2.0	EE	(D)	
347	Metal services, n.e.c. -----	-	35	10	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.8	13.2	
3471	Plating and polishing -----	-	23	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	4.8	
3479	Metal coating and allied services -----	E1	12	4	0.2	2.1	0.2	0.3	1.5	4.6	6.7	11.3	0.4	0.4	8.3	
349	Miscellaneous fabricated metal products-----	-	64	22	1.9	20.7	1.5	2.8	13.5	55.8	59.2	113.8	4.4	0.8	15.3	
3494	Valves and pipe fittings -----	-	6	5	0.8	9.5	0.6	1.3	6.4	25.0	23.8	48.7	(D)	(NA)	(NA)	
3498	Fabricated pipe and fittings ---	-	8	5	0.2	2.4	0.1	0.2	1.4	4.7	9.6	15.1	(D)	(NA)	(NA)	
3499	Fabricated metal products, n.e.c. -----	E1	40	7	0.6	5.7	0.5	0.8	3.7	19.9	16.2	34.1	0.6	0.5	6.7	
35	Machinery, except electrical -----	E1	624	153	16.2	190.1	11.9	22.9	117.4	405.3	408.7	787.2	34.2	12.7	213.3	
352	Farm and garden machinery ---	E1	64	21	2.9	31.7	2.2	3.9	18.7	80.5	139.8	210.5	4.8	2.4	49.7	
3523	Farm machinery and equipment -----	E1	58	18	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)	
3524	Lawn and garden equipment -	-	6	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)	
353	Construction and related machinery -----	-	34	11	1.4	21.3	1.0	2.1	14.0	43.1	47.7	91.7	1.4	1.5	24.4	
3531	Construction machinery -----	-	13	4	0.8	12.8	0.7	1.4	9.9	23.4	30.7	55.1	1.0	EE	(D)	
3535	Conveyors and conveying equipment -----	E1	10	4	0.3	4.8	0.2	0.4	2.3	11.3	11.9	23.0	0.3	0.2	5.4	
354	Metalworking machinery -----	-	66	19	1.9	21.6	1.4	2.7	14.9	48.4	39.4	82.0	7.0	1.0	18.5	
3542	Machine tools, metal forming types -----	-	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)	
3544	Special dies, tools, jigs, and fixtures -----	E1	41	10	0.4	5.8	0.4	0.7	4.4	10.1	4.0	13.7	0.7	0.7	10.0	
3545	Machine tool accessories ---	-	9	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)	
3549	Metalworking machinery, n.e.c. -----	-	6	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)	
355	Special industry machinery ----	E1	106	36	4.0	45.0	2.7	5.4	26.1	74.4	78.6	146.6	4.4	3.5	53.4	
3551	Food products machinery ---	-	25	13	1.4	17.1	0.8	1.7	9.0	30.9	25.2	56.1	1.5	1.1	20.8	
3552	Textile machinery -----	E2	42	15	1.3	14.5	1.0	2.0	9.4	24.4	18.9	43.3	1.8	EE	(D)	
3559	Special industry machinery, n.e.c. -----	-	21	4	1.0	10.0	0.7	1.4	5.7	11.9	28.9	34.6	0.8	0.7	9.3	
356	General industrial machinery ---	-	53	20	2.6	29.5	1.9	4.0	18.7	74.6	52.0	122.0	10.6	1.2	23.0	
3561	Pumps and pumping equipment -----	-	6	4	0.8	10.2	0.5	1.1	5.6	29.2	18.5	46.3	1.5	CC	(D)	
3562	Ball and roller bearings -----	-	3	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)	
3564	Blowers and fans -----	-	5	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)	
3569	General industrial machinery, n.e.c. -----	E1	29	9	0.8	9.0	0.5	1.1	5.3	17.5	16.2	33.4	(D)	0.5	9.4	
357	Office and computing machines -----	E3	18	6	0.3	4.4	0.3	0.5	2.5	8.0	5.6	14.4	(D)	BB	(D)	
358	Refrigeration and service machinery -----	-	28	13	1.3	14.0	0.9	1.5	7.4	34.7	26.0	59.7	(D)	1.4	19.7	
3585	Refrigeration and heating equipment -----	-	9	7	0.8	9.7	0.7	1.1	5.2	24.1	19.4	43.1	0.5	1.0	15.8	
3589	Service industry machinery, n.e.c. -----	E1	17	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	2.5	
359	Miscellaneous machinery, except electrical -----	E3	255	27	1.8	22.5	1.5	2.8	15.2	41.7	19.6	60.2	4.8	1.4	20.6	
3599	Machinery, except electrical, n.e.c. -----	E3	255	27	1.8	22.5	1.5	2.8	15.2	41.7	19.6	60.2	4.8	1.4	20.6	
36	Electric and electronic equipment -	-	165	74	15.8	186.7	11.6	22.7	113.5	538.7	456.1	974.2	(D)	11.6	226.6	
361	Electric distributing equipment -	-	21	14	5.2	65.6	3.8	6.9	39.8	168.9	137.9	305.5	(D)	5.7	119.3	
3612	Transformers -----	-	5	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)	
3613	Switchgear and switchboard apparatus -----	-	16	10	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)	
362	Electrical industrial apparatus --	-	22	9	2.0	24.0	1.4	2.9	14.0	84.2	41.3	121.5	(D)	1.2	18.1	
3621	Motors and generators -----	-	8	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)	
3622	Industrial controls -----	-	7	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)	
363	Household appliances -----	-	6	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)	
3631	Household cooking equipment -----	-	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)	
364	Electric lighting and wiring equipment -----	-	27	15	2.3	23.0	1.6	3.0	12.5	69.0	105.0	171.6	(D)	2.3	45.1	
3643	Current-carrying wiring devices -----	-	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)	
3645	Residential lighting fixtures ---	-	10	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.3	3.1	
3646	Commercial lighting fixtures --	-	5	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)	

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]															
SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
36	Electric and electronic equipment —Con.														
365	Radio and TV receiving equipment -----	E1	15	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3652	Phonograph records and prerecorded tape -----	-	11	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
366	Communication equipment -----	-	20	9	2.3	29.4	1.6	3.4	15.1	62.1	40.7	98.6	(D)	CC	(D)
3661	Telephone and telegraph apparatus -----	-	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3662	Radio and TV communication equipment --	-	16	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
367	Electronic components and accessories -----	E3	21	5	0.5	4.3	0.4	0.7	2.7	13.0	5.4	17.1	0.4	(NA)	(NA)
3675	Electronic capacitors -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3679	Electronic components, n.e.c. -----	E6	14	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
369	Miscellaneous electrical equipment and supplies -----	-	33	16	2.4	29.7	1.9	3.9	21.9	92.9	90.0	176.9	(D)	1.0	23.7
3691	Storage batteries -----	-	9	7	1.7	22.9	1.4	3.0	17.9	72.3	77.1	147.1	3.9	0.9	22.2
3694	Engine electrical equipment -	-	12	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3699	Electrical equipment and supplies, n.e.c. -----	E2	9	5	0.2	1.9	0.2	0.3	1.4	3.6	2.9	6.5	0.1	(NA)	(NA)
37	Transportation equipment -----	-	169	61	30.8	561.7	22.0	48.9	377.0	1 578.0	3 453.2	5 084.6	73.4	34.0	901.6
371	Motor vehicles and equipment -	-	84	32	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3711	Motor vehicles and car bodies -----	-	6	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3713	Truck and bus bodies -----	E5	17	3	0.3	2.9	0.2	0.4	1.9	4.4	9.2	13.5	(D)	(NA)	(NA)
3714	Motor vehicle parts and accessories -----	-	50	16	2.7	26.3	2.4	4.9	21.0	58.1	81.6	136.6	3.9	2.6	55.0
3715	Truck trailers -----	-	7	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.1	20.0
3716	Motor homes produced on purchased chassis -----	-	4	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
372	Aircraft and parts -----	-	16	9	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3721	Aircraft -----	-	9	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3728	Aircraft equipment, n.e.c. -----	-	4	3	0.3	3.8	0.3	0.5	3.0	6.6	1.7	8.1	(D)	0.2	2.8
373	Ship and boat building and repairing -----	E1	30	7	0.7	8.8	0.6	1.3	6.7	15.4	15.3	31.5	(D)	0.8	11.0
3731	Ship building and repairing --	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3732	Boat building and repairing --	E2	28	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3743	Railroad equipment -----	-	8	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.3	4.8
379	Miscellaneous transportation equipment -----	-	30	8	1.2	12.8	0.7	1.2	5.0	30.5	69.2	99.0	(D)	0.9	13.0
3792	Travel trailers and campers --	-	18	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	6.3
3799	Transportation equipment, n.e.c. -----	-	12	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	6.7
38	Instruments and related products -----	-	75	21	4.0	37.8	3.3	6.3	26.5	100.2	83.5	182.1	3.4	EE	(D)
382	Measuring and controlling devices -----	-	10	3	0.7	6.8	0.5	1.1	4.2	18.3	14.3	31.4	0.4	BB	(D)
3822	Environmental controls -----	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3824	Fluid meters and counting devices -----	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
384	Medical instruments and supplies -----	-	39	11	1.8	18.0	1.5	2.9	12.4	48.4	51.6	99.9	1.3	0.7	13.0
3841	Surgical and medical instruments -----	-	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3842	Surgical appliances and supplies -----	-	22	9	1.6	15.3	1.3	2.5	10.6	36.2	47.2	83.8	1.2	0.5	5.4
3873	Watches, clocks, and watchcases -----	-	5	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
39	Miscellaneous manufacturing industries -----	-	207	47	6.7	56.2	5.7	10.9	40.1	146.7	115.4	263.9	7.9	6.9	103.5
394	Toys and sporting goods -----	-	48	15	1.9	15.5	1.6	3.0	11.5	43.4	28.2	73.3	1.6	1.7	29.1
3942	Dolls -----	E1	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3944	Games, toys, and children's vehicles -----	E2	14	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3949	Sporting and athletic goods, n.e.c. -----	-	31	10	1.4	12.0	1.2	2.3	9.1	33.0	22.0	56.8	0.8	EE	(D)
395	Pens, pencils, office and art supplies -----	-	20	9	0.8	8.6	0.6	1.1	4.8	20.5	17.5	39.0	(D)	0.7	8.7
3952	Lead pencils and art goods --	-	3	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3953	Marking devices -----	-	13	5	0.5	5.3	0.3	0.7	2.7	14.0	6.1	20.5	(D)	0.5	3.9
396	Costume jewelry and notions --	-	10	5	2.6	18.8	2.4	4.7	15.6	56.1	45.3	101.3	4.1	2.1	37.0
3964	Needles, pins, and fasteners -----	-	5	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
39	Miscellaneous manufacturing industries—Con.														
399	Miscellaneous manufactures ---	E2	116	18	1.4	12.8	1.1	2.0	7.9	26.1	23.0	48.5	0.8	2.3	27.5
3991	Brooms and brushes -----	-	9	4	0.3	2.0	0.2	0.4	1.3	5.3	5.5	10.7	0.2	0.3	3.7
3993	Signs and advertising displays -----	E2	68	7	0.6	5.4	0.4	0.8	3.4	10.6	8.7	18.8	0.3	0.5	7.4
3995	Burial caskets -----	E1	9	2	0.3	2.8	0.3	0.5	1.6	4.5	3.6	7.9	0.1	0.4	4.2
3999	Manufacturing industries, n.e.c. -----	E3	30	5	0.3	2.6	0.3	0.4	1.6	5.7	5.4	11.1	0.2	1.0	12.3
-	Administrative and auxiliary -----	-	261	101	14.4	268.0	-	-	-	-	-	-	-	(NA)	(NA)

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹ Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
² Statistics for some industry groups and industries are withheld to avoid disclosing figures for individual companies. However, for such industry groups and industries with 150 employees or more, number of establishments is shown and employment size range is indicated by one of the following symbols: AA—150 to 249 employees; BB—250 to 499 employees; CC—500 to 999 employees; EE—1,000 to 2,499 employees; FF—2,500 employees or more. Statistics for industry groups shown include data for all component industries, regardless of whether data are shown for individual industries in the group.
³ Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Albany SMSA -----	-	99	35	8.9	102.9	7.0	14.1	73.5	478.8	517.7	986.7	67.0	8.9	180.9
20	Food and kindred products --	-	14	8	1.5	16.2	1.3	2.6	11.9	40.2	100.4	139.5	1.5	1.3	16.0
27	Printing and publishing -----	-	11	3	0.3	3.6	0.2	0.4	2.2	11.2	4.7	16.0	(D)	0.3	4.6
	Atlanta SMSA -----	-	2 758	932	128.7	1 742.7	86.1	171.7	993.6	4 222.8	6 701.0	10 951.6	247.8	132.4	2 472.3
20	Food and kindred products --	-	164	83	13.7	155.3	9.7	19.5	98.0	501.0	916.6	1 415.1	40.9	12.7	306.7
201	Meat products -----	-	34	17	3.2	29.0	2.7	5.3	21.6	49.0	222.2	271.3	3.1	2.2	23.8
2013	Sausages and other prepared meats -----	-	13	9	1.1	13.2	0.9	1.7	9.2	26.9	112.3	139.1	1.3	(NA)	(NA)
202	Dairy products -----	-	16	8	1.4	16.4	0.7	2.0	7.7	27.8	88.7	116.4	1.6	1.6	28.8
203	Preserved fruits and vegetables -----	-	19	11	1.9	22.1	1.5	2.9	16.0	92.9	192.5	285.2	8.5	0.8	17.4
204	Grain mill products -----	-	12	6	0.9	12.5	0.7	1.5	8.0	61.0	102.1	163.4	2.1	1.1	21.2
205	Bakery products -----	-	27	14	3.1	40.2	2.0	4.1	24.6	124.5	83.4	207.9	9.4	2.8	65.3
207	Fats and oils -----	-	5	5	0.3	4.2	0.2	0.4	2.4	18.7	53.2	70.8	2.4	0.3	12.6
208	Beverages -----	E1	19	12	1.5	15.3	0.7	1.4	7.0	71.4	106.9	177.0	11.1	1.9	81.3
209	Miscellaneous foods and kindred products -----	-	25	9	1.4	15.1	1.1	1.9	10.3	55.0	66.4	121.0	2.8	2.0	53.8
22	Textile mill products -----	-	56	37	7.3	60.9	6.3	11.8	46.7	92.1	146.1	237.3	7.9	9.1	87.4
2211	Weaving mills, cotton ---	-	8	6	3.4	27.2	3.1	5.7	22.7	35.1	62.5	94.5	(D)	4.5	31.0
225	Knitting mills -----	E1	13	7	0.8	5.4	0.7	1.3	4.3	8.0	9.8	17.7	(D)	(NA)	(NA)
228	Yarn and thread mills -----	-	6	6	1.2	10.7	1.1	2.1	9.0	15.8	30.6	46.3	(D)	2.1	28.0
229	Miscellaneous textile goods -----	E1	11	6	0.3	2.4	0.3	0.5	1.7	5.3	3.7	8.9	(D)	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SMSA's, see appendix A. For explanation of terms, see appendix B.

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
Atlanta SMSA—Con.															
23	Apparel and other textile products -----	-	145	87	10.7	79.0	8.2	14.6	48.5	193.7	325.1	512.5	5.8	10.2	109.2
2311	Men's and boys' suits and coats -----	-	7	7	1.0	6.9	0.7	1.4	4.0	31.2	36.5	66.0	(D)	(NA)	(NA)
232	Men's and boys' furnishings -----	-	26	21	3.8	29.8	3.0	5.6	18.6	72.1	145.7	214.2	(D)	4.3	42.9
233	Women's and misses' outerwear -----	-	45	29	2.8	18.9	2.3	3.8	12.3	42.6	71.7	114.8	(D)	2.2	23.7
2335	Women's and misses' dresses -----	-	16	7	0.6	3.4	0.4	0.5	1.8	7.7	12.5	20.2	1.1	(NA)	(NA)
2339	Women's and misses' outerwear, n.e.c. -----	-	18	14	1.6	11.3	1.4	2.6	7.9	26.0	36.3	63.4	1.1	1.2	9.9
239	Miscellaneous fabricated textile products -----	-	50	21	2.2	16.6	1.7	3.0	11.0	30.5	52.9	83.1	(D)	2.1	18.5
2399	Fabricated textile products, n.e.c. -----	-	8	2	0.3	2.8	0.2	0.4	1.8	4.7	8.4	13.2	(D)	0.4	3.7
24	Lumber and wood products -----	E1	191	25	2.2	19.3	1.8	3.2	13.8	45.3	69.7	113.8	2.4	2.3	29.4
243	Millwork, plywood, and structural members -----	-	55	13	0.9	9.2	0.7	1.5	6.4	20.6	34.0	55.0	0.6	1.0	13.7
2431	Millwork -----	-	18	5	0.3	3.4	0.3	0.5	2.2	11.3	20.9	32.2	0.3	0.4	7.8
2434	Wood kitchen cabinets -----	-	31	4	0.4	4.6	0.4	0.8	3.5	7.1	8.6	16.1	0.2	0.5	4.9
249	Miscellaneous wood products -----	-	28	8	0.7	5.6	0.6	1.0	3.8	14.5	20.8	33.8	0.5	0.6	8.4
25	Furniture and fixtures -----	-	104	40	3.3	32.5	2.6	5.1	22.8	64.9	67.8	129.9	3.2	3.4	48.6
251	Household furniture -----	-	54	20	1.7	15.8	1.4	2.8	11.3	31.3	41.3	71.7	1.9	2.1	29.6
2515	Mattresses and bedsprings -----	-	16	10	0.9	9.8	0.7	1.5	6.8	17.1	27.7	44.1	0.6	0.9	15.0
2599	Furniture and fixtures, n.e.c. -----	E1	10	4	0.3	3.4	0.3	0.5	2.6	5.8	4.0	9.7	(D)	(NA)	(NA)
26	Paper and allied products -----	-	93	62	7.8	100.3	6.0	11.9	67.5	223.9	329.4	553.2	(D)	6.8	126.0
2642	Envelopes -----	-	6	5	0.6	6.6	0.5	0.8	4.3	14.5	13.2	26.8	(D)	0.5	9.1
265	Paperboard containers and boxes -----	-	51	36	4.1	55.9	3.0	6.2	35.9	113.2	195.8	308.5	(D)	4.1	75.3
2651	Folding paperboard boxes -----	-	6	5	1.5	23.2	1.1	2.1	13.8	41.8	71.3	112.6	(D)	(NA)	(NA)
2653	Corrugated and solid fiber boxes -----	E1	29	21	1.7	21.9	1.2	2.5	13.7	44.6	81.3	125.8	(D)	1.6	23.7
2655	Fiber cans, drums, and similar products -----	-	8	5	0.5	6.7	0.5	1.0	5.2	15.5	24.1	39.5	(D)	0.6	9.9
27	Printing and publishing -----	-	505	92	10.5	134.8	6.9	13.0	81.4	281.0	170.7	450.4	11.7	9.2	166.3
2721	Periodicals -----	E1	35	5	0.5	5.9	0.2	0.4	1.5	15.7	4.3	19.9	(D)	(NA)	(NA)
273	Books -----	-	23	8	0.5	6.1	0.3	0.6	3.0	12.6	7.0	19.4	(D)	(NA)	(NA)
275	Commercial printing -----	E1	318	49	5.0	68.3	4.0	7.4	47.1	126.7	100.0	225.8	(D)	5.3	87.6
2751	Commercial printing, letterpress -----	E2	157	15	1.4	16.4	1.2	2.1	11.8	31.4	31.4	62.6	1.2	1.9	30.7
2752	Commercial printing, lithographic -----	-	148	32	3.5	50.5	2.7	5.1	34.3	92.5	66.9	158.7	5.6	3.2	55.4
2761	Manifold business forms -----	-	16	9	0.6	6.6	0.4	0.8	4.5	17.6	12.4	30.1	(D)	(NA)	(NA)
279	Printing trade services -----	E2	45	8	0.5	6.6	0.3	0.6	4.4	11.2	2.5	13.7	(D)	0.3	5.3
28	Chemicals and allied products -----	-	172	72	6.3	80.6	3.4	6.5	34.9	413.6	411.9	822.9	29.2	5.2	202.5
282	Plastics materials and synthetics -----	-	6	4	0.6	8.9	0.5	0.9	5.7	30.7	31.7	62.0	(D)	(NA)	(NA)
2851	Paints and allied products -----	-	26	12	1.5	19.0	0.7	1.3	7.2	102.5	114.3	216.6	4.2	1.4	53.6
286	Industrial organic chemicals -----	-	9	5	0.3	5.1	0.1	0.2	0.9	14.5	27.2	41.5	1.0	(NA)	(NA)
289	Miscellaneous chemical products -----	-	51	17	0.9	11.1	0.5	1.0	5.3	46.0	68.7	114.0	3.9	0.8	22.4
2891	Adhesives and sealants -----	-	16	7	0.4	4.9	0.3	0.6	2.6	21.9	37.5	59.5	(D)	(NA)	(NA)
29	Petroleum and coal products -----	-	37	8	0.5	5.8	0.4	0.8	3.9	20.4	55.5	75.3	(D)	0.6	13.8
295	Paving and roofing materials -----	-	28	4	0.3	3.7	0.3	0.6	2.8	9.7	34.6	44.1	(D)	0.5	11.9
30	Rubber and miscellaneous plastics products -----	E1	88	44	3.2	32.0	2.5	4.9	21.1	79.3	91.3	168.8	15.5	2.0	37.6
3079	Miscellaneous plastics products -----	E1	80	40	3.0	29.6	2.4	4.6	20.0	73.1	82.5	154.1	(D)	1.8	31.2
31	Leather and leather products -----	-	14	5	0.7	4.2	0.6	0.9	3.3	9.4	15.3	24.3	0.1	1.7	12.6
32	Stone, clay, and glass products -----	-	154	53	5.7	67.7	4.4	9.0	48.6	197.7	156.3	352.8	13.3	5.9	127.4
325	Structural clay products -----	-	5	3	0.3	3.6	0.3	0.5	2.6	11.2	6.4	18.2	(D)	(NA)	(NA)
327	Concrete, gypsum, and plaster products -----	E1	88	30	2.0	22.6	1.3	2.6	12.6	50.5	63.3	113.3	7.6	2.8	50.2
33	Primary metal industries -----	-	37	18	4.4	67.9	3.1	6.2	46.2	151.0	293.0	443.0	(D)	4.2	48.2
331	Blast furnace and basic steel products -----	-	7	3	1.5	23.0	1.2	2.2	17.3	36.1	48.4	83.6	(D)	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	E ¹	1977											1972	
			All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital ex- pend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Atlanta SMSA—Con.														
34	Fabricated metal products ---	-	248	82	7.1	80.3	5.3	10.4	51.7	184.5	295.3	475.6	9.5	6.3	112.8
344	Fabricated structural metal products -----	-	136	51	4.5	49.2	3.2	6.2	30.0	114.5	177.6	288.1	5.2	3.7	58.2
3441	Fabricated structural metal -----	-	20	7	0.6	7.2	0.5	1.0	4.9	18.0	31.7	49.1	1.0	0.6	8.4
3443	Fabricated plate work (boiler shops) -----	-	11	7	0.3	3.8	0.3	0.5	2.9	8.7	8.0	16.3	0.5	(NA)	(NA)
3444	Sheet metal work -----	E1	48	18	0.9	10.0	0.6	1.2	5.8	22.5	30.9	53.2	1.2	0.9	14.5
3449	Miscellaneous metal work -----	-	13	5	0.7	9.6	0.4	0.9	4.9	22.6	38.9	61.1	0.2	(NA)	(NA)
346	Metal forgings and stampings -----	E1	16	5	0.5	4.6	0.4	0.8	3.6	9.3	8.5	17.8	0.6	(NA)	(NA)
347	Metal services, n.e.c. -----	-	23	6	0.4	4.0	0.3	0.6	2.7	6.9	7.9	14.8	1.2	0.6	11.4
349	Miscellaneous fabricated metal products -----	E1	36	11	0.6	6.9	0.4	0.8	3.7	14.8	23.2	37.8	(D)	0.4	8.4
35	Machinery, except electrical -	E1	247	67	5.7	72.4	3.9	7.6	41.0	164.6	125.0	288.2	7.8	5.4	92.1
353	Construction and related machinery -----	E1	18	6	0.5	8.1	0.3	0.6	3.8	18.5	17.5	35.9	(D)	0.4	7.6
355	Special industry machinery -----	E1	45	13	1.4	17.3	0.9	1.9	9.8	32.3	20.7	52.9	(D)	1.2	19.4
3552	Textile machinery -----	E5	9	3	0.4	3.8	0.3	0.6	2.6	5.4	4.1	9.6	(D)	0.4	2.9
356	General industrial machinery -----	E2	27	11	0.8	9.5	0.5	1.1	5.5	18.9	13.5	31.9	(D)	0.5	9.3
358	Refrigeration and service machinery -----	-	22	11	1.1	12.2	0.7	1.2	6.1	31.8	22.0	53.0	(D)	1.3	16.3
36	Electric and electronic equipment -----	-	103	39	6.4	77.5	4.3	8.5	42.5	176.8	174.3	342.5	(D)	6.3	120.6
361	Electric distributing equipment -----	-	16	8	1.6	18.6	1.0	1.9	9.6	44.7	44.6	89.1	(D)	2.0	36.2
37	Transportation equipment ---	-	72	20	20.9	451.3	14.5	33.8	304.7	1 357.7	3 001.9	4 426.0	(D)	27.1	773.2
38	Instruments and related products -----	E1	44	12	0.9	9.8	0.6	1.2	5.6	27.5	19.9	47.0	1.1	0.8	16.5
384	Medical instruments and supplies -----	-	21	6	0.5	5.3	0.4	0.7	3.3	16.8	10.8	26.9	(D)	0.6	10.9
39	Miscellaneous manufacturing industries ---	E1	112	25	1.9	17.4	1.6	2.9	11.4	38.6	35.9	73.2	(D)	3.1	41.3
394	Toys and sporting goods ---	E1	20	7	0.6	4.9	0.6	1.0	3.7	13.5	7.7	20.3	(D)	1.0	13.4
3949	Sporting and athletic goods, n.e.c. -----	E2	8	4	0.3	2.3	0.3	0.5	1.8	6.2	3.2	8.7	(D)	(NA)	(NA)
399	Miscellaneous manufactures -----	E2	65	11	0.8	7.2	0.6	1.2	4.6	15.3	14.5	29.3	(D)	1.6	20.6
-	Administrative and auxiliary --	-	172	61	9.8	193.7	-	-	-	-	-	-	-	(NA)	(NA)
	Augusta, Ga.-S.C., SMSA ----	-	302	131	34.7	428.0	24.9	50.6	257.7	1 090.5	1 102.3	2 174.7	177.5	30.4	578.2
20	Food and kindred products --	-	25	15	2.5	25.2	1.6	3.1	12.8	57.6	131.9	189.9	4.1	2.6	38.0
205	Bakery products -----	-	5	4	1.3	13.0	1.0	1.7	7.2	30.8	35.5	66.3	1.1	(NA)	(NA)
22	Textile mill products-----	-	21	18	9.4	92.8	8.6	18.6	79.6	140.3	236.9	375.4	(D)	9.1	98.8
226	Textile finishing, except wool -----	-	4	4	2.5	26.8	2.0	4.7	20.3	38.4	42.2	80.6	(D)	(NA)	(NA)
23	Apparel and other textile products -----	E1	16	13	2.2	13.7	2.0	3.6	10.9	18.3	10.5	28.4	0.2	2.0	13.4
232	Men's and boys' furnishings -----	E2	4	4	1.0	5.4	0.9	1.7	4.6	7.8	2.2	9.7	(D)	0.6	3.9
239	Miscellaneous fabricated textile products -----	E2	6	3	0.6	4.2	0.5	0.9	2.7	5.5	7.2	12.6	(D)	0.7	6.5
24	Lumber and wood products--	-	63	10	0.7	6.7	0.6	1.2	5.2	17.5	29.2	46.3	1.1	0.7	7.6
26	Paper and allied products ---	-	13	11	2.5	41.0	2.1	4.4	31.4	149.6	243.5	388.5	13.3	2.8	81.7
2621	Paper mills, except building paper -----	-	3	3	0.5	9.0	0.4	0.8	6.9	25.0	81.1	106.0	(D)	(NA)	(NA)
27	Printing and publishing -----	-	32	4	0.5	5.0	0.2	0.3	1.8	13.4	3.8	17.2	(D)	0.5	9.7
28	Chemicals and allied products -----	-	21	11	7.9	144.3	4.0	7.9	62.1	493.2	260.3	745.7	(D)	6.6	248.5
32	Stone, clay, and glass products -----	-	23	9	3.4	35.8	2.7	5.1	26.5	97.9	65.5	161.7	5.4	3.3	56.8
34	Fabricated metal products ---	-	17	8	0.4	5.2	0.3	0.7	3.7	7.4	12.4	19.6	0.5	0.6	6.0
344	Fabricated structural metal products -----	-	10	7	0.4	4.8	0.3	0.6	3.4	6.5	11.7	18.0	(D)	0.5	5.0
35	Machinery, except electrical -	-	21	8	1.3	15.7	1.0	1.9	9.9	31.2	20.8	49.7	(D)	0.4	6.2
--	Administrative and auxiliary --	-	12	10	1.3	17.9	-	-	-	-	-	-	-	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Chattanooga, Tenn.-Ga., SMSA	-	671	287	53.9	612.9	41.3	80.3	409.9	1 290.0	2 032.3	3 305.2	89.0	56.8	927.7
20	Food and kindred products --	-	49	29	5.0	56.2	3.2	5.9	27.9	158.8	510.4	676.3	14.2	4.1	87.6
201	Meat products	-	8	2	0.6	4.7	0.5	0.9	3.5	7.2	34.7	42.4	(D)	(NA)	(NA)
204	Grain mill products	E1	6	5	0.5	5.3	0.4	0.8	3.5	43.4	113.5	159.6	1.1	0.5	26.1
205	Bakery products	-	8	5	2.0	23.8	1.3	2.3	10.4	45.1	44.0	89.2	(D)	1.4	24.8
208	Beverages	-	8	7	0.6	6.4	0.2	0.3	1.3	18.0	28.8	46.9	2.8	(NA)	(NA)
22	Textile mill products	-	75	50	12.4	104.1	10.8	21.5	82.6	220.9	496.6	716.5	13.0	14.0	182.3
225	Knitting mills	-	19	12	2.8	20.4	2.3	4.3	14.9	40.3	89.5	129.7	1.2	3.0	29.2
2269	Finishing plants, n.e.c.	-	8	5	1.3	10.5	1.2	2.4	8.6	24.8	69.2	95.5	(D)	1.6	22.4
227	Floor covering mills	-	14	10	2.6	22.0	2.1	4.2	16.5	63.8	199.0	259.4	2.5	3.8	71.1
2272	Tufted carpets and rugs	-	14	10	2.6	22.0	2.1	4.2	16.5	63.8	199.0	259.4	2.5	3.8	71.1
228	Yarn and thread mills	-	18	17	4.5	39.8	4.1	8.7	34.4	75.7	104.8	179.5	6.0	3.8	42.9
2281	Yarn mills, except wool	-	12	12	3.1	27.6	2.9	6.1	24.7	57.8	77.5	134.3	4.3	(NA)	(NA)
23	Apparel and other textile products	E1	35	15	1.9	11.6	1.6	2.9	8.8	22.8	17.6	40.3	0.8	1.8	12.5
232	Men's and boys' furnishings	E3	4	4	0.8	4.1	0.7	1.2	3.2	6.5	4.6	11.0	0.1	0.8	3.9
233	Women's and misses' outerwear	-	12	4	0.4	2.3	0.4	0.6	1.8	4.9	1.1	6.2	(Z)	0.4	2.0
239	Miscellaneous fabricated textile products	-	15	4	0.4	4.1	0.4	0.9	3.1	9.8	11.5	21.1	0.6	0.4	5.5
24	Lumber and wood products	E1	54	9	0.7	6.0	0.6	1.1	4.5	12.7	17.1	29.1	1.1	0.8	10.6
25	Furniture and fixtures	E5	24	10	0.6	5.1	0.5	0.9	3.5	9.6	9.3	19.1	0.4	0.9	8.1
251	Household furniture	E3	16	8	0.4	2.5	0.3	0.5	1.7	4.4	4.9	9.3	0.1	0.6	5.3
26	Paper and allied products	-	18	12	1.1	12.5	0.9	1.7	9.4	27.5	50.4	77.6	8.3	1.2	21.9
265	Paperboard containers and boxes	-	10	6	0.4	4.8	0.3	0.6	3.2	10.9	16.4	26.9	1.1	0.6	7.9
27	Printing and publishing	-	72	15	1.4	15.6	0.8	1.4	7.9	27.7	15.9	43.5	1.7	1.4	19.3
275	Commercial printing	-	47	10	0.6	7.1	0.5	0.9	4.7	12.2	8.8	20.9	1.0	0.5	7.9
2752	Commercial printing, lithographic	-	28	9	0.5	5.8	0.4	0.7	3.7	9.9	7.3	17.1	0.7	(NA)	(NA)
28	Chemicals and allied products	-	39	19	6.2	98.6	4.3	8.3	56.7	243.4	270.4	516.8	16.4	7.7	202.1
281	Industrial inorganic chemicals	-	7	5	0.3	4.3	0.2	0.4	2.3	23.6	19.4	42.7	4.3	(NA)	(NA)
289	Miscellaneous chemical products	-	6	3	0.4	5.9	0.1	0.2	1.1	12.3	13.2	25.2	0.3	(NA)	(NA)
30	Rubber and miscellaneous plastics products	-	12	7	0.6	6.7	0.4	0.9	4.2	22.0	51.6	74.5	1.0	0.5	15.3
31	Leather and leather products	-	12	9	1.1	7.2	0.8	1.4	4.6	19.7	18.1	37.6	0.3	1.2	16.0
3199	Leather goods, n.e.c.	-	8	6	0.4	2.9	0.3	0.5	1.8	7.3	8.4	15.5	(D)	(NA)	(NA)
32	Stone, clay, and glass products	-	25	13	1.6	19.7	1.4	2.7	15.9	48.9	39.2	87.6	4.8	2.9	51.6
327	Concrete, gypsum, and plaster products	-	11	6	0.3	3.0	0.2	0.4	2.0	4.2	8.4	12.4	0.7	0.4	7.8
33	Primary metal industries	-	23	13	5.2	65.3	4.3	8.9	49.5	103.7	161.7	264.6	9.7	4.8	67.2
332	Iron and steel foundries	-	10	7	4.1	52.0	3.5	7.3	41.9	75.5	102.0	178.5	7.9	3.6	51.7
34	Fabricated metal products	-	66	28	8.1	113.3	6.3	12.2	83.3	195.4	213.6	389.0	8.1	8.7	138.5
344	Fabricated structural metal products	-	32	12	5.5	83.3	4.2	8.1	61.0	115.7	151.8	253.5	4.9	6.1	100.9
349	Miscellaneous fabricated metal products	-	14	6	1.5	18.5	1.1	2.3	13.9	44.1	31.6	70.3	1.1	1.6	28.5
35	Machinery, except electrical	-	78	25	3.5	42.1	2.5	5.2	28.4	84.3	81.7	165.5	5.2	2.5	42.1
353	Construction and related machinery	-	9	6	1.4	16.4	0.9	1.8	10.8	36.6	41.8	76.7	1.1	(NA)	(NA)
355	Special industry machinery	-	15	10	0.9	11.6	0.7	1.4	7.5	18.5	18.7	38.9	2.7	1.0	14.7
36	Electric and electronic equipment	-	17	10	2.7	29.0	2.0	3.9	17.7	73.3	56.7	127.9	3.1	1.7	24.2
363	Household appliances	-	6	5	1.4	15.6	1.1	2.1	8.7	48.5	45.4	92.8	2.7	1.3	19.0
37	Transportation equipment	E2	13	3	0.3	2.7	0.2	0.3	1.7	6.7	6.8	13.3	0.2	1.0	18.0
39	Miscellaneous manufacturing industries	-	19	5	0.4	3.3	0.3	0.6	2.4	8.0	7.2	14.2	0.4	0.5	6.5
--	Administrative and auxiliary	-	30	13	0.8	12.2	-	-	-	-	-	-	-	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	E ¹	1977											1972	
			All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Columbus, Ga.-Ala., SMSA ---	-	222	91	20.6	206.0	16.2	32.9	140.2	530.6	649.1	1 170.5	34.5	19.7	339.5
20	Food and kindred products --	-	17	11	4.0	46.4	2.2	4.2	20.7	138.1	135.4	275.8	5.3	4.0	93.2
22	Textile mill products-----	-	14	13	8.8	79.2	7.9	16.8	66.4	166.7	218.6	385.4	11.5	9.0	140.1
228	Yarn and thread mills-----	-	4	4	1.7	13.4	1.4	3.0	11.8	23.0	40.5	63.8	0.6	(NA)	(NA)
2281	Yarn mills, except wool --	-	4	4	1.7	13.4	1.4	3.0	11.8	23.0	40.5	63.8	0.6	(NA)	(NA)
23	Apparel and other textile products-----	-	16	10	1.3	9.6	1.2	2.2	7.9	25.4	70.0	93.2	0.2	1.0	8.6
239	Miscellaneous fabricated textile products-----	-	8	4	0.9	7.0	0.8	1.6	5.8	21.5	68.0	87.4	0.1	(NA)	(NA)
24	Lumber and wood products--	E1	43	7	0.4	3.8	0.4	0.7	2.6	7.8	18.4	26.3	0.8	0.5	6.0
27	Printing and publishing ----	-	21	6	0.6	7.1	0.4	0.6	3.5	15.3	5.8	21.1	1.0	0.8	13.4
32	Stone, clay, and glass products-----	-	21	9	0.6	4.8	0.5	1.0	3.8	15.6	11.3	27.0	(D)	0.8	13.0
33	Primary metal industries ----	-	5	5	1.0	10.7	0.8	1.7	7.7	26.6	26.5	52.6	(D)	0.6	6.1
34	Fabricated metal products---	-	21	9	0.7	8.1	0.6	1.1	5.3	17.0	30.1	46.5	1.2	0.8	9.5
344	Fabricated structural metal products-----	-	15	6	0.5	5.3	0.3	0.6	2.9	11.5	14.4	25.7	(D)	0.4	6.0
36	Electric and electronic equipment-----	-	6	4	0.8	7.9	0.7	1.3	5.9	36.9	26.9	61.3	(D)	(NA)	(NA)
	Macon SMSA -----	-	252	94	15.3	175.0	11.5	22.8	117.8	436.7	601.3	1 049.0	61.8	13.2	235.0
20	Food and kindred products --	-	26	17	2.7	36.9	2.0	4.0	25.4	130.3	263.0	394.7	(D)	2.7	63.9
22	Textile mill products-----	-	9	7	1.4	10.8	1.2	2.5	9.0	18.6	35.7	58.5	0.9	1.2	8.3
23	Apparel and other textile products-----	-	11	7	2.5	23.1	1.9	3.8	15.9	26.3	39.5	70.1	2.2	1.0	6.6
24	Lumber and wood products--	E1	47	8	0.7	5.6	0.6	1.3	4.2	12.5	12.9	24.8	0.7	1.2	14.5
26	Paper and allied products ---	-	11	6	2.1	30.5	1.7	3.5	24.4	65.8	80.5	145.9	4.9	2.4	71.3
27	Printing and publishing ----	E2	37	5	0.7	7.1	0.3	0.5	2.8	16.4	6.0	22.4	1.1	0.5	9.0
28	Chemicals and allied products-----	-	8	6	0.4	3.4	0.2	0.3	1.6	14.5	24.4	39.0	0.8	(NA)	(NA)
30	Rubber and miscellaneous plastics products-----	-	9	4	0.4	2.7	0.3	0.4	1.5	9.3	10.6	19.7	0.4	(NA)	(NA)
32	Stone, clay, and glass products-----	-	22	9	1.0	11.7	0.9	1.7	9.1	36.7	26.6	64.2	3.8	1.1	17.5
34	Fabricated metal products---	-	14	6	1.0	13.1	0.8	1.6	9.3	34.9	39.1	75.0	(D)	1.2	21.7
35	Machinery, except electrical -	E1	20	7	0.3	3.3	0.2	0.4	2.1	6.7	4.5	11.2	0.5	(NA)	(NA)
--	Administrative and auxiliary --	-	7	3	0.5	8.8	-	-	-	-	-	-	-	(NA)	(NA)
	Savannah SMSA -----	-	276	83	16.1	215.0	11.4	22.9	136.3	560.7	1 054.3	1 612.7	83.2	14.7	366.1
20	Food and kindred products --	-	24	10	1.8	23.3	1.1	2.2	12.1	82.5	225.1	312.6	4.2	1.7	49.9
24	Lumber and wood products--	-	78	12	1.3	14.0	1.1	2.2	10.7	46.5	79.6	123.3	2.8	1.7	23.0
242	Sawmills and planing mills -	-	12	5	0.3	2.7	0.3	0.6	2.2	5.4	10.9	15.9	(D)	0.3	3.1
27	Printing and publishing ----	E1	29	2	0.4	3.9	0.2	0.3	1.5	10.5	3.7	14.2	(D)	0.4	8.0
28	Chemicals and allied products-----	-	19	12	1.7	24.4	1.1	2.3	14.5	103.2	148.4	250.6	(D)	1.7	59.2
287	Agricultural chemicals ----	-	4	4	0.5	7.0	0.3	0.6	3.6	41.8	36.2	78.6	(D)	0.6	9.4
29	Petroleum and coal products-----	-	8	4	0.6	8.5	0.5	1.1	6.7	25.3	111.4	135.2	(D)	0.5	24.7
32	Stone, clay, and glass products-----	-	17	8	0.5	7.1	0.4	0.8	4.7	18.0	28.5	46.6	1.7	0.5	14.5
34	Fabricated metal products---	-	15	7	0.5	6.9	0.4	0.8	4.7	17.2	17.3	33.7	(D)	0.5	7.4
3441	Fabricated structural metal-----	-	5	4	0.3	4.0	0.2	0.4	2.7	11.0	9.2	19.5	0.3	(NA)	(NA)
--	Administrative and auxiliary --	-	13	6	0.8	13.4	-	-	-	-	-	-	-	(NA)	(NA)

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (S) Withheld because estimate did not meet publication standards.
 (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies.
For explanation of terms, see appendix B]

Includes counties with 450 employees or more and industry groups with 100 employees or more. For explanation of terms, see appendix B]

SIC code	County and industry	1977											1972		
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Appling County -----	-	42	10	0.9	6.4	0.8	1.3	4.9	11.8	26.3	39.1	0.5	0.9	10.4
	Bacon County -----	-	22	6	1.1	8.6	0.9	1.8	6.9	33.7	52.2	94.0	(D)	0.7	4.3
23	Apparel and other textile products -----	-	4	3	0.5	2.6	0.5	0.9	2.3	3.3	0.3	3.5	(Z)	(NA)	(NA)
	Baldwin County -----	-	38	12	2.8	28.2	2.3	4.3	19.9	77.5	62.8	139.1	6.8	2.1	37.4
22	Textile mill products -----	-	6	5	1.2	10.3	1.1	2.1	8.0	20.0	20.9	40.9	1.4	(NA)	(NA)
	Banks County -----	-	15	6	0.7	4.8	0.7	1.4	4.5	8.2	10.9	18.9	0.6	0.6	4.1
	Barrow County -----	-	35	24	3.9	28.9	3.2	5.7	19.0	49.8	112.8	154.3	3.1	3.0	25.5
23	Apparel and other textile products -----	-	13	12	2.2	14.2	1.9	3.4	10.6	18.9	15.0	34.1	0.7	2.0	16.2
	Bartow County -----	-	85	45	7.5	66.3	6.3	12.1	48.7	140.5	369.9	511.3	11.9	7.6	123.7
	Ben Hill County -----	-	40	15	2.1	19.8	1.8	3.5	16.2	69.4	69.9	135.5	1.8	1.6	20.2
23	Apparel and other textile products -----	-	6	6	0.9	4.8	0.8	1.4	4.2	7.3	8.7	15.8	0.3	(NA)	(NA)
	Berrien County -----	-	21	6	1.7	15.2	1.4	2.9	11.4	29.1	28.6	59.0	(D)	1.6	14.1
	Bibb County -----	-	176	79	12.6	137.7	9.4	18.6	90.7	323.5	418.4	747.1	(D)	11.1	186.5
24	Lumber and wood products --	-	20	5	0.5	3.4	0.4	0.8	2.5	7.6	7.6	14.7	0.1	0.8	10.1
26	Paper and allied products ---	-	11	6	2.1	30.5	1.7	3.5	24.4	65.8	80.5	145.9	4.9	2.4	71.3
27	Printing and publishing -----	-	25	3	0.5	5.9	0.2	0.4	2.3	13.3	5.1	18.4	1.0	(NA)	(NA)
--	Administrative and auxiliary --	-	7	3	0.5	8.8	-	-	-	-	-	-	-	(NA)	(NA)
	Brooks County -----	-	22	6	0.5	2.8	0.4	0.8	2.2	4.5	16.0	20.8	(D)	0.6	4.6
	Bulloch County -----	-	44	13	1.8	16.9	1.4	2.7	11.2	40.4	37.6	77.7	2.7	2.0	20.2
	Burke County -----	-	31	12	1.8	13.8	1.6	3.0	10.2	33.6	36.4	69.7	3.4	1.3	13.2
	Butts County -----	-	24	6	1.1	7.9	1.0	1.7	6.4	13.3	24.4	37.0	0.7	1.2	11.7
	Camden County -----	-	34	6	1.9	27.7	1.5	3.1	21.3	72.2	149.7	222.4	7.6	2.1	46.3
	Carroll County -----	-	94	37	8.5	80.8	6.8	13.5	59.6	133.2	666.0	804.1	10.7	7.1	63.2
	Catoosa County -----	-	42	14	2.1	20.1	1.7	3.6	15.0	47.8	116.4	162.0	4.1	1.4	18.3
	Chatham County -----	-	217	76	15.6	210.5	10.9	22.0	132.8	549.7	1 037.5	1 585.4	82.5	14.2	361.7
24	Lumber and wood products --	-	34	10	1.1	11.6	0.9	1.8	8.8	41.1	68.8	107.5	2.4	(NA)	(NA)
29	Petroleum and coal products -	-	8	4	0.6	8.5	0.5	1.1	6.7	25.3	111.4	135.2	(D)	0.5	24.7
--	Administrative and auxiliary --	-	13	6	0.8	13.4	-	-	-	-	-	-	-	(NA)	(NA)
	Chattooga County -----	-	33	13	5.2	42.5	4.7	9.2	36.2	164.2	219.6	378.6	9.0	5.3	109.0
	Cherokee County -----	-	60	13	2.8	21.9	2.3	4.4	16.3	30.5	71.9	101.9	4.6	2.2	24.4
	Clarke County -----	-	97	47	10.2	98.8	8.1	14.8	66.1	270.0	314.2	578.5	22.3	8.4	116.6
20	Food and kindred products --	-	12	8	1.8	14.5	1.4	2.5	9.7	33.5	120.9	154.4	(D)	1.7	17.2
22	Textile mill products -----	-	6	4	1.7	16.4	1.4	2.4	12.0	33.2	24.8	58.2	3.1	1.0	15.5
23	Apparel and other textile products -----	-	14	11	1.3	8.1	1.2	2.2	6.7	16.5	16.1	32.6	(D)	1.2	7.2
	Clayton County -----	-	127	45	4.7	56.4	3.5	6.7	35.6	192.2	228.9	416.9	11.2	3.9	81.8
20	Food and kindred products --	-	11	8	0.7	9.1	0.5	1.0	4.6	29.1	43.4	72.3	1.4	0.5	7.9
28	Chemicals and allied products -----	-	12	6	0.6	7.7	0.4	0.7	3.8	80.8	64.4	144.6	6.2	(NA)	(NA)
32	Stone, clay, and glass products -----	E1	13	6	0.7	8.1	0.6	1.1	6.0	17.6	12.8	30.1	(D)	0.6	10.1
34	Fabricated metal products ---	-	10	4	0.8	11.4	0.6	1.2	8.3	22.5	61.2	81.8	0.7	0.8	15.4
	Clinch County -----	-	38	6	1.1	8.5	0.9	1.8	7.5	12.1	32.1	44.2	1.1	1.2	11.1
	Cobb County -----	-	284	85	15.5	226.6	9.1	16.2	104.2	500.7	425.9	994.1	11.9	18.8	159.0
20	Food and kindred products --	E4	9	5	0.8	6.0	0.6	1.2	4.6	12.7	34.6	47.3	(D)	0.6	6.8
26	Paper and allied products ---	-	12	8	1.0	10.7	0.8	1.5	8.7	26.3	30.0	56.5	1.3	(NA)	(NA)
28	Chemicals and allied products -----	E1	23	9	0.6	9.1	0.3	0.5	2.4	20.0	29.7	49.2	2.5	(NA)	(NA)

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Coffee County -----	-	59	15	2.8	22.9	2.5	3.7	17.3	43.7	91.4	131.8	4.1	3.8	37.6
20	Food and kindred products --	-	7	3	1.3	11.1	1.2	1.6	8.5	18.3	62.8	78.9	1.8	2.3	22.8
23	Apparel and other textile products -----	-	6	5	0.6	3.5	0.6	0.9	3.2	5.2	4.0	8.6	(D)	(NA)	(NA)
24	Lumber and wood products --	E1	31	3	0.5	5.5	0.4	0.9	3.9	13.2	12.2	24.8	1.7	0.7	7.6
	Colquitt County -----	-	74	21	3.1	26.7	2.5	4.7	18.6	48.9	103.0	151.3	3.3	3.7	34.0
	Columbia County -----	-	41	9	1.7	17.4	1.4	2.6	11.6	33.6	33.5	65.5	2.5	0.8	8.2
	Cook County -----	-	31	8	1.7	12.7	1.5	3.0	10.6	26.7	47.4	74.4	2.9	1.6	19.5
24	Lumber and wood products --	-	14	4	0.8	5.8	0.7	1.3	4.6	11.2	29.1	40.1	(D)	0.8	11.0
	Coweta County -----	-	54	25	5.1	50.5	4.3	8.5	37.3	90.1	150.4	239.5	7.0	5.1	69.1
	Crisp County -----	-	47	20	2.1	16.6	1.7	3.1	11.8	44.2	55.5	99.8	2.3	2.1	23.5
35	Machinery, except electrical --	-	7	3	0.5	6.4	0.4	0.8	4.6	19.6	14.6	33.6	(D)	(NA)	(NA)
	Dade County -----	-	8	4	0.7	6.3	0.6	1.3	5.5	10.0	23.1	32.9	0.3	0.7	9.2
	Decatur County -----	-	48	18	3.0	28.0	2.5	5.2	19.9	92.6	98.1	189.7	20.9	2.0	25.8
	De Kalb County -----	-	668	198	25.6	405.5	15.9	34.4	217.7	970.5	1 667.9	2 626.5	57.4	28.4	658.2
20	Food and kindred products --	-	32	16	3.4	42.8	2.6	4.8	29.8	195.7	334.3	529.7	11.3	3.7	145.6
203	Preserved fruits and vegetables -----	-	5	5	1.4	16.6	1.1	2.0	12.2	77.7	169.0	246.5	7.1	(NA)	(NA)
25	Furniture and fixtures -----	-	27	10	0.5	5.4	0.4	0.8	3.6	13.0	12.4	24.8	0.5	0.8	9.9
26	Paper and allied products ---	-	18	12	1.3	15.5	1.0	1.9	10.6	36.3	54.3	90.5	3.6	1.3	21.7
27	Printing and publishing -----	E1	137	19	2.3	30.2	1.8	3.3	20.6	65.0	44.2	109.0	2.3	1.9	32.3
28	Chemicals and allied products -----	-	49	16	1.4	18.9	0.8	1.5	8.8	101.1	90.7	192.5	7.1	1.5	66.9
284	Soaps, cleaners, and toilet goods -----	-	13	5	0.7	8.8	0.4	0.7	4.3	62.3	39.6	102.8	1.6	1.0	43.1
30	Rubber and miscellaneous plastics products -----	-	23	8	0.5	5.9	0.4	0.9	3.6	16.5	20.5	36.2	4.0	0.6	10.6
32	Stone, clay, and glass products -----	E1	29	10	0.5	5.2	0.4	0.7	3.2	11.5	14.0	25.3	1.0	1.2	22.6
34	Fabricated metal products ---	-	61	23	1.4	15.7	1.0	2.0	9.8	35.8	51.5	84.4	3.3	1.3	20.4
344	Fabricated structural metal products -----	-	41	15	1.1	11.8	0.8	1.5	7.4	26.0	41.6	65.0	2.2	0.9	11.1
35	Machinery, except electrical --	E1	65	20	1.5	18.9	1.1	2.0	11.2	42.3	21.5	63.9	1.1	1.2	16.8
355	Special industry machinery --	-	11	4	0.5	5.6	0.3	0.7	3.5	12.4	5.2	17.4	0.2	(NA)	(NA)
36	Electric and electronic equipment -----	-	34	16	3.0	39.6	1.9	4.0	19.6	94.7	59.1	149.9	(D)	2.9	52.5
361	Electric distributing equipment -----	-	4	4	0.9	10.7	0.5	0.9	4.9	28.3	21.2	49.8	(D)	1.1	22.3
3613	Switchgear and switchboard apparatus --	-	4	4	0.9	10.7	0.5	0.9	4.9	28.3	21.2	49.8	(D)	(NA)	(NA)
366	Communication equipment --	-	9	4	1.5	21.8	1.0	2.2	10.6	43.3	25.1	64.7	(D)	(NA)	(NA)
-	Administrative and auxiliary --	-	58	22	4.1	87.3	-	-	-	-	-	-	-	(NA)	(NA)
	Dodge County -----	-	42	7	1.1	7.3	1.0	1.8	5.6	14.8	20.1	34.6	(D)	1.2	12.0
	Dooly County -----	-	16	5	0.6	4.6	0.5	1.0	3.7	12.1	20.1	32.3	0.4	0.6	7.0
	Douglas County -----	-	41	9	0.5	6.2	0.4	0.8	3.7	14.9	23.4	37.5	0.8	0.4	6.7
	Effingham County -----	-	31	5	0.5	3.7	0.4	0.8	3.0	9.5	15.2	24.2	0.6	0.3	3.1
	Elbert County -----	-	108	31	2.9	24.7	2.4	5.0	18.6	49.3	24.9	71.7	2.7	2.5	21.8
23	Apparel and other textile products -----	-	4	4	0.8	5.6	0.7	1.3	4.6	9.2	3.0	12.4	(D)	(NA)	(NA)
32	Stone, clay, and glass products -----	E1	86	25	1.5	13.9	1.3	2.9	11.1	26.7	13.3	39.5	(D)	1.5	15.1
3281	Cut stone and stone products -----	-	80	24	1.4	13.0	1.2	2.8	10.5	24.8	11.5	35.9	1.5	(NA)	(NA)
	Emanuel County -----	-	62	19	2.5	16.8	2.2	4.0	13.6	39.6	47.8	86.6	3.4	2.6	25.1
23	Apparel and other textile products -----	-	6	6	1.0	5.7	0.9	1.6	4.8	11.5	9.3	20.6	0.1	1.2	11.7
	Evans County -----	-	22	7	1.3	8.3	1.1	2.0	6.2	16.9	35.0	51.9	1.7	1.2	11.4
	Fannin County -----	-	21	5	1.0	6.8	0.9	1.5	5.7	22.7	21.0	43.6	0.2	1.0	13.8

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies.
For explanation of terms, see appendix B]

For explanation of terms, see appendix B)															
SIC code	County and industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Fayette County -----	-	39	14	1.2	12.5	0.9	1.9	8.7	27.9	41.5	68.3	8.4	0.7	11.8
	Floyd County -----	-	107	49	13.6	152.3	11.1	22.3	107.9	317.4	473.0	784.6	32.0	11.9	206.2
20	Food and kindred products --	-	10	8	1.0	10.8	0.6	1.3	5.9	23.5	33.4	56.9	1.7	0.8	10.3
22	Textile mill products -----	-	26	14	7.3	71.5	6.3	13.0	55.7	143.5	268.0	404.9	12.7	5.5	82.0
	Forsyth County -----	-	26	8	1.3	9.9	1.1	2.0	6.8	18.2	51.1	68.8	1.3	0.6	6.6
20	Food and kindred products --	-	3	3	0.5	4.1	0.4	0.7	2.5	7.4	42.9	49.9	(D)	(NA)	(NA)
	Franklin County -----	-	21	12	1.3	9.1	1.1	1.9	6.9	36.6	36.2	71.4	0.4	0.9	8.2
23	Apparel and other textile products -----	-	4	4	0.6	3.4	0.5	0.7	2.2	11.5	3.6	15.1	0.1	(NA)	(NA)
	Fulton County -----	-	1 100	400	55.6	779.3	36.8	74.3	461.9	1 930.8	3 431.4	5 354.8	118.1	58.4	1 276.8
20	Food and kindred products --	-	86	43	6.7	79.6	4.3	9.2	46.4	232.1	368.5	599.1	24.1	6.1	124.4
201	Meat products -----	E1	13	4	0.5	5.6	0.4	0.8	3.6	10.0	46.7	57.0	0.7	0.5	8.5
205	Bakery products -----	-	17	11	2.5	32.4	1.8	3.6	21.6	106.7	71.5	178.2	8.8	1.5	23.5
208	Beverages -----	E4	12	8	1.0	10.5	0.4	0.8	4.0	22.1	51.7	72.2	(D)	1.3	34.4
2086	Bottled and canned soft drinks -----	E5	5	5	0.9	9.2	0.3	0.7	3.1	15.7	37.4	52.9	(D)	(NA)	(NA)
23	Apparel and other textile products -----	-	68	44	4.9	41.2	3.4	6.1	21.6	114.5	232.6	347.5	2.8	5.3	75.4
2328	Men's and boys' work clothing -----	-	4	4	0.6	7.6	0.2	0.6	1.9	19.0	41.2	57.5	0.2	(NA)	(NA)
2339	Women's and misses' outerwear, n.e.c. -----	-	8	7	0.5	3.9	0.4	0.8	2.0	13.5	25.0	40.6	(D)	(NA)	(NA)
2392	House furnishings, n.e.c. -----	-	6	5	0.6	3.9	0.4	0.6	2.1	9.8	17.6	27.8	0.2	(NA)	(NA)
25	Furniture and fixtures -----	E1	43	15	1.6	17.4	1.3	2.6	12.0	30.1	30.9	59.0	1.7	1.5	21.6
251	Household furniture -----	E1	21	6	0.8	8.9	0.7	1.4	6.4	14.3	19.2	32.7	1.2	1.1	15.4
2515	Mattresses and bedsprings -----	-	8	4	0.6	7.3	0.5	1.0	5.1	8.9	15.0	23.4	(D)	(NA)	(NA)
2751	Commercial printing, letterpress -----	E2	66	10	1.0	12.0	0.8	1.5	8.5	22.3	22.9	45.0	0.7	(NA)	(NA)
2752	Commercial printing, lithographic -----	-	78	22	2.0	30.1	1.5	2.8	19.7	54.6	35.7	89.7	3.5	(NA)	(NA)
28	Chemicals and allied products -----	-	74	36	2.8	35.4	1.4	2.7	13.8	175.0	189.8	363.2	6.0	2.9	105.0
284	Soaps, cleaners, and toilet goods -----	E1	24	13	1.1	14.2	0.6	1.1	5.3	78.1	55.6	133.1	1.9	1.3	55.8
2841	Soap and other detergents -----	-	11	9	0.8	10.2	0.4	0.7	3.6	63.8	37.0	100.2	(D)	(NA)	(NA)
2851	Paints and allied products -----	-	6	4	0.7	8.6	0.3	0.6	3.3	49.4	59.9	109.0	(D)	(NA)	(NA)
289	Miscellaneous chemical products -----	-	29	12	0.6	7.5	0.3	0.6	3.3	27.9	39.0	66.4	0.8	0.7	18.9
30	Rubber and miscellaneous plastics products -----	-	27	15	1.1	11.1	0.9	1.7	7.6	23.0	32.3	54.8	8.0	0.9	15.6
32	Stone, clay, and glass products -----	-	46	19	3.2	41.8	2.4	4.9	30.4	133.9	91.7	225.5	8.6	3.0	75.8
327	Concrete, gypsum, and plaster products -----	E1	23	9	0.9	10.1	0.5	0.9	4.6	25.5	31.1	56.4	5.0	0.8	13.8
3273	Ready-mixed concrete --	E1	10	6	0.6	7.5	0.3	0.6	3.1	18.4	25.2	43.6	(D)	(NA)	(NA)
34	Fabricated metal products ---	-	89	24	2.2	24.7	1.6	3.0	14.8	59.8	83.3	144.5	2.3	2.6	48.9
344	Fabricated structural metal products -----	-	44	14	1.2	14.8	0.8	1.5	8.3	33.5	48.3	82.0	1.0	1.5	26.3
35	Machinery, except electrical --	E1	82	29	2.4	30.0	1.6	3.1	16.6	55.2	39.8	94.0	2.6	2.7	41.0
355	Special industry machinery --	E2	17	7	0.8	9.1	0.5	0.9	4.7	15.3	11.3	26.5	0.4	0.7	9.6
356	General industrial machinery -----	E2	11	6	0.5	6.3	0.3	0.6	3.2	9.8	8.3	17.7	0.5	(NA)	(NA)
36	Electric and electronic equipment -----	-	31	13	1.3	15.6	1.0	1.9	11.1	37.4	53.0	88.9	(D)	1.3	28.2
369	Miscellaneous electrical equipment and supplies --	-	8	4	0.7	9.1	0.6	1.1	7.1	22.2	29.7	50.4	(D)	0.7	16.3
--	Administrative and auxiliary --	-	83	23	4.6	85.6	-	-	-	-	-	-	-	(NA)	(NA)
	Gilmer County -----	-	31	9	1.4	10.7	1.2	2.3	8.2	21.9	51.7	71.7	1.2	1.3	9.9
22	Textile mill products -----	-	8	5	0.7	5.4	0.5	1.1	3.7	12.3	22.4	33.9	(D)	0.7	6.9
	Glynn County -----	-	90	22	5.6	67.4	4.5	8.7	49.8	195.8	247.2	445.5	22.1	5.6	131.8
	Gordon County -----	-	111	51	6.3	58.2	5.0	9.9	38.3	139.6	284.8	421.5	22.1	5.9	92.7
22	Textile mill products -----	-	53	34	4.4	41.9	3.6	7.5	29.2	107.8	203.6	309.9	(D)	4.2	66.7
228	Yarn and thread mills -----	-	5	4	0.8	8.0	0.8	1.7	7.4	12.1	23.8	35.5	1.7	(NA)	(NA)
23	Apparel and other textile products -----	-	9	5	1.0	7.1	0.8	1.4	4.4	9.8	25.0	34.2	(D)	0.8	12.4
239	Miscellaneous fabricated textile products -----	-	9	5	1.0	7.1	0.8	1.4	4.4	9.8	25.0	34.2	(D)	0.8	12.4

See footnotes at end of table.

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For explanation of terms, see appendix B]

SIC code	County and industry	1977											1972		
		E ¹	All estab- lishments	With 20 employ- ees or more (no.)	All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)		Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
20	Grady County -----	-	32	9	2.0	14.8	1.8	3.5	11.7	29.3	44.8	74.4	9.4	1.6	10.4
	Food and kindred products --	-	5	3	0.7	5.3	0.6	1.3	3.9	11.2	20.3	32.6	(D)	0.9	4.9
	Greene County -----	-	49	14	1.6	11.1	1.4	2.4	8.8	23.2	31.3	53.3	1.5	1.2	12.0
	Gwinnett County -----	-	200	76	8.3	106.0	5.5	10.9	57.9	241.5	367.4	607.9	16.0	6.3	71.9
23	Apparel and other textile products -----	-	10	7	0.9	6.6	0.7	1.3	3.6	16.1	11.7	27.2	0.3	0.6	5.2
26	Paper and allied products ---	-	11	8	0.5	6.2	0.4	0.9	4.4	14.1	21.7	35.6	1.2	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	E1	7	6	0.5	5.2	0.4	0.8	3.2	11.6	9.7	21.1	1.4	(NA)	(NA)
3079	Miscellaneous plastics products -----	E1	7	6	0.5	5.2	0.4	0.8	3.2	11.6	9.7	21.1	1.4	(NA)	(NA)
34	Fabricated metal products ---	-	32	12	1.4	15.0	1.1	2.2	9.7	40.5	57.1	97.1	1.9	0.8	12.0
344	Fabricated structural metal products -----	-	18	8	1.2	12.9	0.9	1.9	8.3	36.5	53.9	90.1	1.3	0.6	11.0
-	Administrative and auxiliary --	-	8	6	0.6	12.6	-	-	-	-	-	-	-	(NA)	(NA)
22	Habersham County -----	-	51	21	4.7	39.6	4.0	7.8	30.4	80.9	101.4	182.4	2.9	3.8	39.4
	Textile mill products -----	-	5	5	2.3	20.0	1.9	3.7	15.4	41.2	47.6	90.0	0.3	2.2	21.0
	Hall County -----	-	142	57	10.0	87.5	8.1	15.5	61.7	213.4	538.8	755.5	18.1	8.5	115.2
20	Food and kindred products --	-	28	17	2.7	23.4	2.3	4.5	17.2	82.2	371.1	462.1	2.8	2.3	37.1
201	Meat products -----	-	10	9	2.0	13.7	1.7	3.3	10.9	32.9	109.0	140.8	(D)	1.7	13.0
2016	Poultry dressing plants --	-	4	4	1.6	10.8	1.4	2.6	8.7	25.2	93.9	118.1	1.4	(NA)	(NA)
23	Apparel and other textile products -----	-	5	5	1.0	6.0	0.9	1.6	4.5	9.5	7.0	16.6	0.4	0.9	5.9
35	Machinery, except electrical --	-	16	7	0.8	8.2	0.5	1.0	4.9	20.9	33.9	50.2	2.3	(NA)	(NA)
23	Haralson County -----	-	38	19	5.3	46.0	4.8	9.1	35.7	92.6	106.2	194.1	3.8	5.7	64.8
	Harris County -----	-	25	4	0.6	4.8	0.4	1.0	3.3	12.0	22.9	33.6	0.6	0.3	2.6
	Hart County -----	-	24	14	3.4	32.0	3.0	5.9	25.3	71.3	75.7	144.3	2.4	2.5	53.0
	Apparel and other textile products -----	-	4	4	1.0	6.6	0.9	1.5	5.3	11.3	8.5	19.5	(D)	0.9	6.3
232	Men's and boys' furnishings -----	-	4	4	1.0	6.6	0.9	1.5	5.3	11.3	8.5	19.5	(D)	0.9	6.3
23	Heard County -----	-	15	3	0.6	4.4	0.6	1.1	3.6	6.6	10.7	17.4	0.3	(D)	(D)
	Henry County -----	-	34	12	1.7	17.0	1.3	2.5	9.9	49.8	59.2	106.6	3.2	1.4	27.4
	Apparel and other textile products -----	-	4	4	0.5	3.7	0.5	0.9	2.6	7.6	8.3	14.8	(D)	(NA)	(NA)
	Houston County -----	-	44	12	2.4	35.0	1.8	3.8	25.4	109.0	176.3	291.2	(D)	1.5	40.1
22	Jackson County -----	-	36	15	2.9	22.4	2.5	5.0	17.3	46.2	72.5	118.3	3.6	2.9	36.8
	Textile mill products -----	-	6	5	1.0	8.0	1.0	1.9	7.0	12.2	22.0	34.4	1.9	1.1	14.8
	Apparel and other textile products -----	-	7	5	1.1	6.4	1.0	1.8	5.4	14.2	17.5	32.4	0.3	1.1	7.9
	Jasper County -----	-	25	6	0.7	7.6	0.7	1.4	6.3	24.3	35.0	59.1	1.2	0.9	16.8
23	Jeff Davis County -----	-	23	10	2.3	22.4	1.7	4.0	15.7	74.4	68.4	141.4	6.1	2.8	49.2
	Jefferson County -----	-	46	15	1.5	11.1	1.3	2.7	8.9	22.8	21.5	43.8	2.7	1.5	13.1
	Apparel and other textile products -----	E3	4	4	0.8	4.0	0.7	1.5	3.5	7.0	3.7	10.4	(D)	0.8	3.8
	Men's and boys' furnishings -----	E3	4	4	0.8	4.0	0.7	1.5	3.5	7.0	3.7	10.4	(D)	0.8	3.8
23	Jenkins County -----	-	12	4	0.8	5.8	0.7	1.2	4.2	17.4	15.0	32.2	0.6	0.8	6.6
	Johnson County -----	-	26	8	1.2	7.1	1.1	1.6	5.8	10.5	12.8	23.1	0.4	1.0	7.3
	Apparel and other textile products -----	-	4	4	0.9	4.8	0.8	1.2	4.3	6.3	6.0	12.2	(D)	0.7	4.2
	Men's and boys' furnishings -----	-	4	4	0.9	4.8	0.8	1.2	4.3	6.3	6.0	12.2	(D)	(NA)	(NA)
23	Laurens County -----	-	56	20	5.3	41.5	4.6	9.3	33.7	103.6	126.9	221.9	5.3	4.6	60.4
	Apparel and other textile products -----	-	4	3	1.0	5.7	0.9	1.6	4.7	7.4	1.4	8.9	(D)	1.0	5.6
	Men's and boys' furnishings -----	-	4	3	1.0	5.7	0.9	1.6	4.7	7.4	1.4	8.9	(D)	1.0	5.6
	Liberty County -----	-	22	5	0.6	7.6	0.4	0.8	5.2	15.2	28.8	44.8	1.1	0.6	15.1

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

For explanation of terms, see appendix B)

SIC code	County and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
24	Lincoln County -----	-	34	6	0.7	4.6	0.7	1.0	4.0	8.0	13.3	21.4	0.8	0.4	4.3
	Lowndes County -----	-	101	30	5.4	53.5	4.5	9.0	38.6	126.6	307.7	466.0	13.3	4.9	90.2
	Lumber and wood products --	-	39	3	0.6	4.7	0.6	1.1	4.2	12.8	23.3	36.6	1.6	0.8	10.3
	McDuffie County -----	-	27	13	2.7	22.0	2.3	4.2	15.8	65.0	79.4	143.2	2.7	2.7	54.8
24	Lumber and wood products --	-	12	8	0.7	6.2	0.5	0.9	3.6	15.7	26.3	41.6	(D)	0.9	14.3
23	Macon County -----	-	13	3	1.2	7.8	1.1	2.1	6.4	23.0	23.1	46.1	(D)	1.4	12.5
	Madison County -----	-	43	7	1.0	6.4	1.0	1.8	5.8	13.0	12.3	25.2	0.6	1.7	16.0
	Apparel and other textile products -----	-	6	5	0.8	4.1	0.8	1.4	3.8	7.0	3.2	10.1	0.1	1.1	8.2
	Meriwether County -----	-	36	13	3.6	29.8	3.3	6.6	25.1	89.0	72.0	162.2	4.7	3.1	43.2
23	Mitchell County -----	-	47	16	1.6	11.6	1.4	2.6	9.4	23.4	29.2	52.4	1.9	1.3	10.5
	Apparel and other textile products -----	E1	5	5	0.6	3.6	0.5	1.0	2.9	4.6	1.7	6.3	0.1	0.6	3.2
	Monroe County -----	-	40	8	2.0	15.0	1.8	3.4	11.9	38.2	128.8	168.8	1.8	2.2	24.0
	Montgomery County -----	-	33	5	0.6	4.2	0.5	0.8	3.1	6.0	16.7	22.5	0.7	0.5	6.6
22	Morgan County -----	-	33	10	0.9	6.4	0.8	1.4	4.6	18.7	15.6	34.3	0.6	0.7	8.7
	Murray County -----	-	83	37	3.6	37.1	3.1	6.6	28.4	102.5	200.4	296.0	6.8	1.7	32.5
	Textile mill products -----	E1	56	33	3.2	33.7	2.8	5.9	26.0	96.3	193.6	282.4	6.4	1.3	22.1
	Newton County -----	-	34	14	2.8	27.7	2.2	4.6	20.7	79.8	83.9	163.3	6.1	3.0	44.2
22	Paulding County -----	-	29	6	0.6	4.8	0.6	1.0	3.8	9.9	12.5	23.0	0.4	0.2	2.0
	Peach County -----	-	25	7	2.4	23.0	1.7	3.3	13.8	40.4	96.2	133.8	(D)	1.6	12.0
	Pickens County -----	-	20	7	1.6	10.8	1.4	2.5	9.3	15.1	11.5	26.9	1.2	1.4	11.2
	Pierce County -----	-	27	5	0.5	4.2	0.5	0.9	3.5	10.8	21.9	32.2	0.4	0.4	2.9
22	Polk County -----	-	41	19	3.9	39.9	3.4	6.3	30.3	85.7	140.7	222.6	3.5	3.7	58.9
	Putnam County -----	-	16	5	1.2	9.6	1.1	2.0	8.0	22.3	38.1	60.0	1.9	1.2	16.9
	Randolph County -----	-	25	7	0.6	5.1	0.5	0.9	3.3	11.9	25.4	37.0	0.3	0.6	8.5
	Richmond County -----	-	166	75	13.8	160.4	10.0	20.8	99.9	445.9	722.2	1 158.3	160.0	13.4	249.1
22	Rockdale County -----	-	50	23	3.1	30.8	2.1	4.2	17.9	72.9	102.9	172.6	3.2	2.6	48.7
	Schley County -----	-	18	6	0.5	4.7	0.4	0.9	3.0	8.1	16.6	24.5	0.3	(D)	(D)
	Screven County -----	-	38	5	1.6	15.0	1.4	3.0	12.3	33.3	21.0	53.1	2.8	1.2	15.1
	Spalding County -----	-	54	22	6.7	54.2	5.9	11.2	40.2	132.2	137.0	263.6	8.6	6.8	57.8
22	Textile mill products -----	-	7	7	4.5	36.5	4.0	7.9	29.1	85.0	67.8	150.2	(D)	3.7	32.8
23	Apparel and other textile products -----	-	4	4	1.2	7.9	1.0	1.8	5.0	15.6	28.8	42.1	(D)	1.8	12.2
	Stephens County -----	-	49	25	4.8	47.1	4.1	8.0	36.3	83.6	149.3	229.7	8.2	5.3	51.2
	Furniture and fixtures -----	-	8	6	0.6	3.8	0.5	0.9	3.0	6.5	6.1	12.3	(D)	(NA)	(NA)
	Sumter County -----	-	55	19	1.9	16.2	1.6	3.0	10.9	44.9	66.6	110.6	4.8	3.7	47.1
25	Tattnall County -----	-	35	6	0.8	4.6	0.7	1.3	3.9	6.0	6.0	11.8	0.6	0.7	2.9
	Taylor County -----	-	18	4	0.5	3.1	0.5	0.8	2.5	16.4	9.5	26.2	0.2	0.6	10.9
	Telfair County -----	-	21	5	0.9	5.8	0.8	1.4	4.7	11.4	44.6	48.4	2.5	0.9	14.8
	Thomas County -----	-	75	24	4.2	39.9	3.0	6.0	23.8	74.2	186.1	259.5	4.7	3.5	34.5
24	Lumber and wood products --	-	33	5	0.8	6.6	0.7	1.3	5.4	13.1	21.2	33.7	1.0	0.8	9.5
	Tift County -----	-	66	27	3.8	33.2	3.2	6.5	25.3	89.6	140.4	223.4	2.5	3.5	55.6
	Textile mill products -----	-	8	8	1.6	14.5	1.4	3.1	12.6	40.4	54.7	92.8	0.3	1.0	21.7
	Yarn and thread mills -----	-	4	4	0.8	7.5	0.7	1.6	6.5	14.8	26.9	42.2	0.2	0.5	7.1
22	Toombs County -----	-	51	16	2.4	16.1	2.0	3.8	12.2	27.8	25.3	52.4	1.6	2.8	23.6
	Apparel and other textile products -----	-	7	6	1.5	9.0	1.2	2.3	6.8	7.8	2.1	9.9	(D)	1.9	9.8

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Troup County -----	-	96	45	9.2	100.1	6.6	13.8	59.8	197.3	249.8	452.2	19.5	7.7	75.1
22	Textile mill products -----	-	16	14	4.3	45.1	3.5	7.6	32.6	102.9	158.6	267.3	(D)	3.7	32.5
23	Apparel and other textile products -----	-	7	6	1.1	9.6	0.9	1.9	8.0	28.5	27.1	55.7	0.8	(NA)	(NA)
34	Fabricated metal products ---	-	7	5	0.5	4.7	0.4	0.9	3.7	13.1	14.7	27.3	0.5	(NA)	(NA)
35	Machinery, except electrical --	-	4	3	0.6	6.5	0.4	0.8	3.7	14.6	8.5	22.9	(D)	(NA)	(NA)
	Turner County -----	-	13	7	0.7	5.0	0.6	1.0	3.7	10.0	19.2	28.7	(D)	0.8	12.2
	Union County -----	-	22	7	0.9	5.2	0.8	1.5	4.4	13.4	12.4	25.4	0.3	(D)	(D)
	Upson County -----	-	30	8	5.5	46.8	4.7	9.1	35.8	75.3	138.6	214.6	4.3	5.2	65.9
	Walker County -----	-	68	35	7.1	63.3	5.9	11.7	45.4	142.0	256.8	399.3	6.9	8.4	117.0
22	Textile mill products -----	-	27	21	5.4	46.6	4.6	9.3	35.9	89.2	199.8	289.7	5.7	7.0	97.9
2281	Yarn mills, except wool --	-	4	4	0.9	7.5	0.9	1.8	6.5	16.8	22.8	39.8	(D)	(NA)	(NA)
	Walton County -----	-	42	23	3.9	30.2	3.3	6.1	22.2	70.0	108.8	172.6	4.4	4.2	40.9
23	Apparel and other textile products -----	-	9	7	1.4	8.7	1.1	2.0	6.0	27.8	40.9	64.1	(D)	1.9	11.8
	Ware County -----	-	81	23	2.4	19.9	2.0	3.8	14.5	48.5	75.5	122.9	3.1	3.2	33.6
24	Lumber and wood products --	-	35	6	0.6	7.4	0.5	1.1	5.4	19.1	36.9	55.8	2.1	0.5	9.6
	Warren County -----	-	8	5	1.0	8.2	1.0	1.9	6.9	15.6	16.2	31.2	0.5	(D)	(D)
	Washington County -----	-	54	13	1.7	14.2	1.4	2.8	10.6	40.0	40.8	79.7	4.3	1.6	21.0
32	Stone, clay, and glass products -----	-	5	4	0.7	7.2	0.5	1.1	4.9	24.1	19.0	42.3	3.8	0.5	10.8
	White County -----	-	24	7	0.9	7.1	0.8	1.6	5.5	24.9	32.8	58.0	1.2	1.0	16.1
	Whitfield County -----	-	344	134	18.6	187.1	14.6	30.6	122.3	493.9	1 129.8	1 597.3	40.3	19.4	316.1
22	Textile mill products -----	-	214	87	14.8	150.6	11.6	24.9	99.5	405.7	931.3	1 314.6	32.1	15.0	250.6
2272	Tufted carpets and rugs -	-	145	70	12.9	134.0	10.0	21.4	86.1	350.0	839.3	1 166.3	28.5	(NA)	(NA)
228	Yarn and thread mills -----	-	16	7	1.0	9.2	0.9	2.1	8.2	31.7	53.4	86.1	2.1	0.9	7.8
27	Printing and publishing -----	-	15	9	1.2	9.1	1.0	1.8	6.2	16.8	11.1	27.8	0.8	0.9	10.3
2789	Bookbinding and related work -----	-	7	4	0.8	6.0	0.8	1.4	4.3	11.8	7.6	19.2	(D)	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	-	14	9	0.6	6.8	0.4	0.8	3.6	15.6	57.3	72.3	1.9	0.5	10.0
	Wilkes County -----	-	55	16	1.6	13.1	1.4	2.7	9.6	35.5	62.6	97.6	2.8	1.5	16.0
23	Apparel and other textile products -----	-	8	6	0.6	4.1	0.5	1.0	2.9	9.5	11.3	20.6	(D)	(NA)	(NA)
	Worth County -----	-	24	10	1.0	6.8	0.9	1.8	4.7	12.3	28.2	40.4	0.6	0.6	7.5
23	Apparel and other textile products -----	E1	5	4	0.6	2.7	0.6	1.1	1.8	3.8	0.9	4.7	0.1	(NA)	(NA)
	Columbus (independent city) (See table 8.)														

Note: "County" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

Includes cities with 450 employees or more and an explanation of terms, see appendix B]															
SIC code	City and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
23	Adel -----	-	23	7	1.6	12.3	1.5	3.0	10.2	25.8	46.5	72.8	2.7	1.5	19.0
	Alma -----	-	22	6	1.1	8.6	0.9	1.8	6.9	33.7	52.2	34.0	(D)	0.7	4.3
	Apparel and other textile products -----	-	4	3	0.5	2.6	0.5	0.9	2.3	3.3	0.3	3.5	(Z)	(NA)	(NA)
	Americus -----	-	49	16	1.5	11.5	1.3	2.3	8.4	27.9	39.4	66.4	(D)	3.1	39.1
	Athens -----	-	78	35	6.7	64.0	5.3	9.8	42.1	185.0	228.8	410.8	19.2	6.1	90.5
23	Apparel and other textile products -----	-	10	7	0.7	4.8	0.7	1.2	3.9	10.4	12.0	22.4	0.3	(NA)	(NA)
202	Atlanta -----	-	785	293	39.9	537.1	26.8	53.5	324.8	1 310.1	2 216.6	3 523.9	71.5	48.7	973.7
	Dairy products -----	-	6	4	1.0	12.7	0.4	1.4	4.9	20.7	75.0	95.6	1.3	(NA)	(NA)
203	Preserved fruits and vegetables -----	-	11	5	0.5	5.5	0.3	0.6	2.7	15.1	24.9	40.0	2.2	(NA)	(NA)
205	Bakery products -----	-	15	11	2.8	37.8	1.9	3.8	23.5	116.0	77.7	193.7	9.1	(NA)	(NA)
208	Beverages -----	E6	9	5	0.9	9.5	0.3	0.6	3.1	13.9	36.5	50.2	(D)	(NA)	(NA)
2086	Bottled and canned soft drinks -----	E6	3	3	0.8	8.4	0.3	0.5	2.6	9.8	32.2	41.9	(D)	(NA)	(NA)
23	Apparel and other textile products -----	-	54	35	4.1	35.3	2.8	5.0	18.1	103.6	210.5	315.8	2.6	4.1	67.7
232	Men's and boys' furnishings -----	-	10	7	1.6	15.4	1.1	1.9	8.1	43.7	91.9	136.6	(D)	(NA)	(NA)
233	Women's and misses' outerwear -----	-	19	15	1.0	7.4	0.8	1.3	3.6	24.1	53.0	78.4	1.2	(NA)	(NA)
239	Miscellaneous fabricated textile products -----	-	16	8	1.2	9.2	0.8	1.4	5.4	17.7	29.4	47.3	0.8	(NA)	(NA)
251	Household furniture -----	-	13	2	0.6	6.8	0.5	1.0	4.8	7.8	12.8	20.3	(D)	(NA)	(NA)
2515	Mattresses and bedsprings -----	-	6	2	0.6	6.6	0.4	0.9	4.6	6.5	11.1	17.3	(D)	(NA)	(NA)
254	Partitions and fixtures -----	-	7	3	0.5	5.6	0.4	0.7	3.5	10.0	7.2	16.1	0.2	(NA)	(NA)
264	Miscellaneous converted paper products -----	-	13	8	1.4	15.8	1.1	2.0	11.2	35.3	41.9	77.1	0.6	(NA)	(NA)
27	Printing and publishing -----	-	197	46	5.8	77.7	3.6	6.8	46.3	158.0	91.5	248.6	7.3	5.8	108.9
2751	Commercial printing, letterpress -----	E2	47	7	0.8	9.8	0.6	1.2	7.2	18.1	19.5	37.4	(D)	(NA)	(NA)
2752	Commercial printing, lithographic -----	-	61	19	1.5	23.0	1.1	2.2	15.3	42.2	29.3	71.1	3.1	(NA)	(NA)
284	Soaps, cleaners, and toilet goods -----	E1	19	10	0.8	10.1	0.5	1.0	4.7	66.1	46.1	111.6	1.7	(NA)	(NA)
2841	Soap and other detergents -----	-	9	7	0.6	8.0	0.3	0.6	3.3	56.5	32.7	88.8	(D)	(NA)	(NA)
289	Miscellaneous chemical products -----	-	20	10	0.5	6.0	0.3	0.5	2.6	18.2	28.8	46.8	0.7	(NA)	(NA)
327	Concrete, gypsum, and plaster products -----	E1	12	6	0.7	8.1	0.3	0.6	3.2	19.3	25.6	44.8	(D)	(NA)	(NA)
344	Fabricated structural metal products -----	-	35	11	0.7	8.0	0.5	0.9	4.4	16.9	29.2	46.2	0.7	(NA)	(NA)
355	Special industry machinery -----	E3	12	5	0.6	7.5	0.4	0.8	4.0	11.1	8.1	19.2	(D)	(NA)	(NA)
--	Administrative and auxiliary -----	-	51	13	1.4	28.2	-	-	-	-	-	-	-	(NA)	(NA)
20	Augusta -----	-	104	50	8.1	86.5	6.0	12.4	54.1	183.9	328.2	510.3	(D)	8.8	129.5
	Food and kindred products -----	-	14	12	2.2	23.1	1.5	2.8	11.6	52.5	117.3	169.7	3.9	(NA)	(NA)
	Paper and allied products -----	-	6	4	0.6	6.7	0.5	0.9	5.2	22.2	25.0	45.9	(D)	0.8	21.2
	Austell -----	-	11	3	0.5	6.3	0.5	0.9	5.4	15.0	14.4	29.3	(D)	0.7	9.2
	Bainbridge -----	-	43	14	2.7	25.0	2.2	4.6	17.3	71.8	80.9	152.6	(D)	1.6	22.3
26	Bremen -----	-	17	8	3.4	29.9	3.1	5.9	22.6	55.0	58.9	111.8	0.8	3.8	44.3
	Apparel and other textile products -----	-	8	8	3.4	29.7	3.1	5.9	22.5	54.6	58.6	111.1	0.7	(NA)	(NA)
	Buford -----	-	18	6	0.8	5.9	0.5	0.8	3.3	17.4	21.1	37.3	0.2	0.9	10.5
	Cairo -----	-	26	9	2.0	14.6	1.8	3.5	11.6	28.8	43.6	72.7	9.3	1.5	9.9
	Calhoun -----	-	64	35	4.4	40.6	3.5	6.7	25.3	89.5	173.1	260.1	(D)	4.5	68.6
22	Textile mill products -----	-	32	23	3.0	28.7	2.4	4.9	18.9	66.9	111.2	177.1	4.7	2.9	44.0
	Floor covering mills -----	-	23	15	1.7	16.0	1.3	2.5	9.1	50.8	75.5	126.4	2.4	(NA)	(NA)
227	Camilla -----	-	25	8	0.7	4.6	0.6	1.2	3.8	8.8	17.1	25.7	0.6	0.5	3.9
	Canton -----	-	34	7	1.9	14.2	1.6	3.1	10.5	20.0	25.0	44.6	(D)	1.3	15.3
	Carrollton -----	-	56	24	6.1	61.2	4.6	9.3	42.7	103.0	637.2	746.2	8.6	4.7	43.1
	Cartersville -----	-	60	37	6.5	56.2	5.4	10.3	41.0	132.3	325.1	454.1	11.1	6.4	105.2
	Cedartown -----	-	27	13	2.3	22.2	1.9	3.4	16.1	56.8	85.8	143.2	2.5	(D)	(D)
	Chamblee -----	-	99	24	2.7	34.0	1.6	3.1	16.7	99.5	87.2	186.8	2.7	(D)	(D)
	Chatsworth -----	-	65	27	2.8	30.0	2.5	5.1	23.4	71.5	143.5	210.7	6.1	1.3	25.9
	Floor covering mills -----	E1	30	15	1.5	17.4	1.2	2.5	13.0	48.4	102.6	146.1	4.1	(NA)	(NA)

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
20 228 2281	Claxton -----	-	16	7	1.3	8.2	1.1	2.0	6.1	16.7	34.6	51.3	1.7	1.1	10.6
	College Park -----	-	40	9	0.7	8.2	0.4	0.8	3.8	16.7	24.4	40.7	1.7	0.6	12.1
	Columbus -----	-	160	72	17.8	176.1	13.7	27.7	117.0	421.0	496.6	911.1	27.3	(NA)	(NA)
	Food and kindred products --	-	17	11	4.0	46.4	2.2	4.2	20.7	138.1	135.4	275.8	5.3	(NA)	(NA)
	Yarn and thread mills -----	-	4	4	1.7	13.4	1.4	3.0	11.8	23.0	40.5	63.8	0.6	(NA)	(NA)
27	Yarn mills, except wool --	-	4	4	1.7	13.4	1.4	3.0	11.8	23.0	40.5	63.8	0.6	(NA)	(NA)
	Printing and publishing -----	-	16	6	0.6	7.0	0.4	0.6	3.4	15.1	5.7	20.8	0.9	(NA)	(NA)
	Commerce -----	-	13	4	1.2	8.5	1.1	2.2	7.5	18.1	25.5	44.7	(D)	1.5	15.1
	Conyers -----	-	44	18	1.4	12.9	1.1	2.0	8.3	32.9	40.0	72.8	(D)	2.2	39.1
	Cordele -----	-	36	15	1.8	14.8	1.5	2.8	10.6	41.4	50.5	91.6	1.6	1.9	20.6
228 278	Cornelia -----	-	21	12	2.3	20.6	2.0	3.8	15.3	39.8	54.4	95.4	2.1	1.3	15.1
	Cuthbert -----	-	15	6	0.6	4.1	0.4	0.8	2.6	9.5	22.7	31.9	0.2	0.5	7.4
	Dalton -----	-	313	125	18.0	181.5	14.0	29.6	118.1	489.5	1 097.4	1 560.2	39.8	18.3	291.5
	Yarn and thread mills -----	-	16	7	1.0	9.2	0.9	2.1	8.2	31.7	53.4	86.1	2.1	(NA)	(NA)
	Blankbooks and bookbinding -----	-	7	4	0.9	6.5	0.8	1.5	4.8	11.5	8.7	20.1	(D)	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	-	14	9	0.6	6.8	0.4	0.8	3.6	15.6	57.3	72.3	1.9	(NA)	(NA)
	Douglas -----	-	43	11	2.3	20.1	2.0	3.1	15.0	39.8	90.0	126.6	3.9	2.7	31.6
20	Food and kindred products --	-	7	3	1.3	11.1	1.2	1.6	8.5	18.3	62.8	78.9	1.8	(NA)	(NA)
24	Lumber and wood products --	E1	22	3	0.5	5.3	0.4	0.8	3.7	12.5	11.4	23.4	1.6	(NA)	(NA)
	Eastman -----	-	27	6	1.0	6.6	0.9	1.6	5.0	13.6	18.3	31.5	(D)	1.0	10.8
26	East Point -----	-	55	16	1.6	20.0	1.0	2.0	10.8	54.1	76.0	128.4	3.4	(D)	(D)
	Chemicals and allied products -----	-	7	5	0.5	7.6	0.2	0.5	2.6	21.7	33.9	55.3	1.9	(NA)	(NA)
	Eatonton -----	-	16	5	1.2	9.6	1.1	2.0	8.0	22.3	38.1	60.0	1.9	1.2	16.9
	Elberton -----	-	100	28	2.4	21.5	1.9	4.3	16.2	45.1	24.0	66.6	2.7	1.7	14.5
	Forest Park -----	-	27	10	0.9	12.3	0.7	1.3	9.2	58.0	80.1	136.8	5.6	1.4	37.3
20	Forsyth -----	-	33	8	2.0	14.9	1.8	3.4	11.9	38.0	128.6	168.4	(D)	2.0	22.3
	Fort Valley -----	-	18	6	2.3	22.3	1.6	3.2	13.4	39.0	94.5	130.7	(D)	1.6	11.1
	Gainesville -----	-	108	39	6.8	60.3	5.4	10.4	42.1	157.6	318.3	471.4	8.0	7.2	81.5
	Food and kindred products --	-	23	13	2.2	18.7	1.9	3.8	14.2	76.4	223.2	298.7	1.8	2.4	22.4
	Greensboro -----	-	28	9	0.9	6.3	0.8	1.4	4.7	14.6	20.6	34.5	0.8	0.6	4.3
228	Hartwell -----	-	19	10	2.0	20.8	1.8	3.8	17.3	50.7	56.5	104.3	2.0	2.5	53.0
	Homerville -----	-	24	5	0.9	7.2	0.8	1.5	6.4	9.3	25.9	35.2	0.9	(D)	(D)
	Jonesboro -----	-	21	6	0.5	5.3	0.4	0.8	3.8	10.8	8.3	18.8	0.3	0.5	11.5
	La Fayette -----	-	27	13	3.0	24.0	2.6	5.2	19.4	74.4	120.9	193.3	2.0	(D)	(D)
	Yarn and thread mills -----	-	5	4	0.9	7.2	0.8	1.7	6.2	16.7	20.7	38.0	1.5	(NA)	(NA)
20	La Grange -----	-	64	35	6.9	72.3	5.5	11.7	50.4	174.6	207.7	386.8	16.6	5.1	59.1
	Lawrenceville -----	-	37	17	1.5	14.2	1.2	2.5	9.1	30.6	37.1	66.8	2.8	1.6	17.2
	McDonough -----	-	16	8	1.3	12.0	1.0	1.9	7.2	39.2	48.3	85.6	2.8	(D)	(D)
	Macon -----	-	146	69	10.7	118.1	7.8	15.4	76.9	243.7	348.7	597.2	18.2	10.4	177.8
	Food and kindred products --	-	21	14	1.8	22.0	1.3	2.6	14.2	73.9	143.4	217.5	5.9	(NA)	(NA)
22	Textile mill products -----	-	6	5	1.3	9.8	1.1	2.3	8.1	19.0	28.9	48.8	0.8	(NA)	(NA)
24	Lumber and wood products --	-	15	5	0.5	3.4	0.4	0.8	2.5	7.5	7.5	14.5	0.1	(NA)	(NA)
26	Paper and allied products ---	-	7	4	1.8	27.2	1.5	3.0	21.9	57.6	70.8	128.3	4.1	(NA)	(NA)
27	Printing and publishing -----	-	22	3	0.5	5.7	0.2	0.4	2.2	13.1	4.8	18.0	(D)	(NA)	(NA)
32	Stone, clay, and glass products -----	E1	10	7	0.6	5.1	0.5	0.9	3.7	13.3	9.8	23.4	0.7	(NA)	(NA)
34	Fabricated metal products ---	-	10	4	0.7	6.6	0.5	0.9	3.8	10.2	14.0	24.3	(D)	(NA)	(NA)
-	Administrative and auxiliary --	-	7	3	0.5	8.8	-	-	-	-	-	-	-	(NA)	(NA)
-	Madison -----	-	25	8	0.7	5.2	0.6	1.0	3.6	14.1	12.8	26.9	0.5	(D)	(D)

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

Explanation of terms, see appendix B]

SIC code	City and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
32	Manchester -----	-	13	5	2.7	20.4	2.5	5.0	17.1	56.6	33.4	91.0	1.8	2.4	34.3
	Milledgeville-----	-	26	8	2.3	24.0	1.8	3.4	16.7	67.8	59.9	126.7	(D)	1.9	36.7
	Monroe -----	-	23	13	2.5	18.5	2.2	4.2	14.4	35.9	70.5	102.1	2.2	2.4	22.5
	Morrow -----	-	13	4	0.5	6.7	0.3	0.6	3.2	37.2	37.1	73.9	1.1	(NA)	(NA)
	Newnan -----	-	34	17	3.9	41.6	3.2	6.4	29.7	76.0	114.5	190.2	6.1	3.3	50.0
	Pelham -----	-	16	6	0.7	6.1	0.6	1.2	4.8	13.3	10.6	23.8	1.2	0.7	5.3
	Perry -----	-	17	4	0.8	7.4	0.5	1.1	4.0	6.2	23.1	33.4	(D)	0.8	5.2
	Port Wentworth-----	-	8	5	1.6	25.9	1.2	2.5	17.2	112.5	213.2	325.9	(D)	1.8	64.5
	Rossville -----	-	16	12	2.6	23.2	2.0	4.0	15.4	37.5	72.9	111.5	2.7	3.1	40.9
	Sandersville-----	-	33	10	1.5	12.4	1.2	2.4	9.3	36.0	37.0	72.1	4.1	1.2	16.9
20	Stone, clay, and glass products -----	-	5	4	0.7	7.2	0.5	1.1	4.9	24.1	19.0	42.3	3.8	0.5	10.8
	Savannah -----	-	140	43	8.8	114.2	6.3	12.6	73.2	293.4	488.0	778.3	64.9	6.7	146.6
	Food and kindred products --	E1	15	7	0.5	4.9	0.3	0.5	2.2	16.0	22.2	37.9	(D)	1.0	15.0
	Statesboro -----	-	36	10	1.6	15.9	1.2	2.4	10.5	38.7	35.2	73.6	2.5	1.5	16.2
	Swainsboro -----	-	45	13	2.0	13.5	1.8	3.3	11.2	32.1	36.2	67.7	2.9	2.0	19.8
24	Thomasville -----	-	60	21	3.8	36.8	2.6	5.3	21.0	70.2	177.7	247.1	4.5	3.3	33.4
	Lumber and wood products --	-	24	5	0.7	6.4	0.6	1.3	5.3	12.8	20.8	33.0	(D)	(NA)	(NA)
	Tifton -----	-	57	22	2.5	21.5	1.9	3.8	15.1	57.4	102.2	155.4	2.4	3.3	52.7
	Toccoa -----	-	45	22	4.3	43.2	3.6	7.2	33.4	75.4	144.3	216.5	(D)	5.1	48.3
25	Furniture and fixtures -----	-	8	6	0.6	3.8	0.5	0.9	3.0	6.5	6.1	12.3	(D)	(NA)	(NA)
	Vidalia -----	-	31	12	2.0	13.4	1.7	3.2	10.3	23.1	22.3	44.6	1.3	2.3	21.5
23	Apparel and other textile products -----	-	5	4	1.2	7.5	1.0	2.0	5.8	6.2	1.9	8.1	(D)	(NA)	(NA)
	Villa Rica -----	-	17	6	0.7	4.9	0.6	1.2	4.0	7.7	14.3	21.6	1.3	1.0	8.7
22	Textile mill products -----	-	6	4	0.5	3.8	0.5	0.9	3.1	4.6	10.5	14.8	(D)	(NA)	(NA)
	Washington -----	-	42	12	1.4	11.8	1.2	2.4	8.5	31.9	52.0	83.6	2.7	1.4	14.8
	Waycross -----	-	70	18	1.9	14.8	1.6	2.9	10.8	33.6	46.4	79.1	(D)	2.9	28.0
	Waynesboro -----	-	24	10	1.7	12.6	1.4	2.6	9.2	31.2	35.4	66.3	(D)	1.1	11.5
	Winder -----	-	22	14	2.0	15.7	1.6	3.0	10.0	31.9	41.8	74.0	2.7	2.0	16.3

Note: "City" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977

(Major groups descriptions are: 20--food and kindred products; 21--textile mill products; 22--clothing and other textile products; 23--lumber and wood products; 24--furniture and fixtures; 25--paper and allied products; 26--printing and publishing; 27--chemicals and allied products; 28--petroleum and coal products; 29--rubber and miscellaneous plastics products; 30--leather and leather products; 31--stone, clay, and glass products; 32--primary metal industries; 33--fabricated metal products; 34--machinery, except electrical; 35--electric and electronic equipment; 36--transportation equipment; 37--instruments and related products; 38--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All establishments	Establishments in major industry groups																		
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
GEORGIA	8623	604	4	691	622	2189	228	177	934	335	52	210	36	491	85	464	624	165	169	75
1 TO 4 EMPLOYEES	3716	182	2	129	98	1555	79	22	535	88	13	59	9	168	20	170	282	54	64	31
5 TO 9 EMPLOYEES	1001	66	-	57	27	215	32	18	131	50	18	22	1	84	8	38	92	24	23	9
10 TO 19 EMPLOYEES	1000	71	-	74	40	170	23	23	110	51	8	23	7	91	10	76	97	13	21	14
20 TO 49 EMPLOYEES	1111	101	-	89	93	115	48	36	98	70	8	43	4	86	16	96	83	19	22	8
50 TO 99 EMPLOYEES	672	67	-	114	76	23	24	31	31	37	2	30	3	32	9	37	31	19	16	5
100 TO 249 EMPLOYEES	648	60	-	116	158	48	16	26	20	28	3	24	8	21	11	31	26	15	6	9
250 TO 499 EMPLOYEES	300	41	2	74	73	10	6	12	6	7	-	4	3	6	6	10	10	15	3	3
500 TO 999 EMPLOYEES	124	14	-	45	16	-	1	1	2	4	-	3	1	2	1	6	3	3	6	2
1000 TO 2499 EMPLOYEES	44	2	-	21	3	-	-	-	2	-	-	2	-	1	3	-	-	3	2	1
2500 EMPLOYEES AND OVER	7	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	4	-
APPLING COUNTY	42	1	-	1	4	28	-	-	2	1	-	-	-	-	-	2	3	-	-	-
1 TO 19 EMPLOYEES	32	1	-	1	1	24	-	-	2	-	-	-	-	-	-	1	2	-	-	-
20 TO 99 EMPLOYEES	7	-	-	-	2	3	-	-	-	-	-	-	-	-	-	-	1	-	-	-
100 TO 249 EMPLOYEES	3	-	-	-	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
ATKINSON COUNTY	34	2	-	-	2	27	-	-	1	-	-	1	-	1	-	-	-	-	-	-
1 TO 19 EMPLOYEES	29	2	-	-	-	25	-	-	-	-	-	-	-	1	-	-	-	-	-	-
20 TO 99 EMPLOYEES	4	-	-	-	2	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BACON COUNTY	22	6	-	1	4	6	-	-	2	-	-	-	-	2	-	-	1	-	-	-
1 TO 19 EMPLOYEES	16	4	-	1	1	6	-	-	2	-	-	-	-	2	-	-	1	-	-	-
20 TO 99 EMPLOYEES	3	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BAKER COUNTY	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALDWIN COUNTY	38	1	-	6	1	19	-	-	3	1	-	1	-	3	-	-	-	-	1	-
1 TO 19 EMPLOYEES	26	1	-	1	-	18	-	-	3	-	-	1	-	2	-	-	-	-	-	1
20 TO 99 EMPLOYEES	5	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	5	-	-	2	-	-	-	-	-	1	-	-	-	1	-	-	-	-	1	-
BANKS COUNTY	15	1	-	-	5	6	1	-	-	-	-	-	-	1	-	-	-	-	-	-
1 TO 19 EMPLOYEES	9	1	-	-	-	5	1	-	-	-	-	-	-	1	-	-	-	-	-	1
20 TO 99 EMPLOYEES	4	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BARROW COUNTY	35	2	-	1	13	2	2	-	3	-	-	-	1	3	-	2	1	-	3	2
1 TO 19 EMPLOYEES	11	1	-	-	1	1	1	-	3	-	-	-	-	1	-	1	1	-	-	-
20 TO 99 EMPLOYEES	10	-	-	-	4	1	1	-	-	-	-	-	1	1	-	-	-	-	2	-
100 TO 249 EMPLOYEES	6	1	-	1	4	1	-	-	-	-	-	-	-	1	-	1	-	-	-	-
250 EMPLOYEES AND OVER	6	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
BARTOW COUNTY	85	2	-	33	19	2	2	2	4	2	-	2	-	6	2	-	4	-	2	-
1 TO 19 EMPLOYEES	40	-	-	13	8	1	2	2	2	1	-	1	-	2	1	-	4	-	1	1
20 TO 99 EMPLOYEES	29	2	-	11	7	1	-	-	2	1	-	1	-	4	-	-	-	-	1	-
100 TO 249 EMPLOYEES	4	-	-	2	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	12	-	-	7	3	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-
BEN HILL COUNTY	40	1	-	1	6	17	1	-	2	1	-	1	-	-	-	3	3	1	3	-
1 TO 19 EMPLOYEES	25	-	-	-	-	1	1	-	2	1	-	-	-	-	-	1	2	-	2	-
20 TO 99 EMPLOYEES	8	1	-	-	2	1	-	-	-	-	-	1	-	-	-	1	1	-	1	-
100 TO 249 EMPLOYEES	4	-	-	-	3	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
250 EMPLOYEES AND OVER	3	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
BEHRIEN COUNTY	21	-	-	1	2	7	1	-	1	1	-	-	-	1	1	-	2	1	3	-
1 TO 19 EMPLOYEES	15	-	-	-	-	7	1	-	1	1	-	-	-	1	1	-	2	1	-	-
20 TO 99 EMPLOYEES	4	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-
250 EMPLOYEES AND OVER	2	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BIBB COUNTY	176	22	1	6	8	20	5	11	25	8	1	6	-	15	1	12	15	2	4	-
1 TO 19 EMPLOYEES	97	7	-	1	3	15	4	5	22	2	-	2	-	8	1	7	9	1	1	7
20 TO 99 EMPLOYEES	44	10	-	1	-	3	-	-	2	5	1	3	-	5	-	2	6	1	2	4
100 TO 249 EMPLOYEES	20	3	-	2	4	2	-	1	1	1	-	1	-	2	-	2	-	1	-	-
250 EMPLOYEES AND OVER	15	2	1	3	1	-	1	3	1	-	-	-	-	-	-	-	-	-	-	1

See footnotes at end of table.

Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellane-ous plastics products; 31--leather and leather products; 32--stone, cln., and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B)

See footnotes at end of table.

Table 9. **Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977**—*Con.*

State, county, and employee size class	All establishments	Establishments by employee range																				CAO's
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	
CHATHAMOCHEE COUNTY	7	-	-	-	-	5	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	1
1 TO 19 EMPLOYEES	7	-	-	-	-	5	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	1
CHATTOGA COUNTY	33	1	-	6	8	11	1	-	-	-	1	-	-	1	1	-	-	1	1	-	-	-
1 TO 19 EMPLOYEES	20	1	-	2	3	10	1	-	-	-	1	-	-	1	1	-	-	1	1	-	-	-
20 TO 99 EMPLOYEES	8	-	-	-	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	5	-	-	3	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER																						
CHEROKEE COUNTY	60	5	-	3	4	15	-	-	-	-	3	-	-	5	-	-	6	8	2	-	-	-
1 TO 19 EMPLOYEES	47	4	-	1	1	14	-	-	-	-	1	-	-	4	-	-	6	7	1	-	-	-
20 TO 99 EMPLOYEES	7	-	-	2	1	1	-	-	-	-	1	-	-	-	-	-	-	1	1	-	-	-
100 TO 249 EMPLOYEES	4	-	-	-	2	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLARKE COUNTY	97	12	-	6	14	6	2	2	14	1	-	2	2	4	-	-	6	10	5	2	3	4
1 TO 19 EMPLOYEES	50	4	-	2	3	4	1	1	11	-	1	1	1	3	-	-	4	7	2	1	2	4
20 TO 99 EMPLOYEES	24	5	-	-	6	1	-	-	1	1	-	-	-	-	-	-	2	2	1	1	1	4
100 TO 249 EMPLOYEES	10	1	-	-	3	1	-	-	1	1	-	-	-	-	-	-	-	1	-	-	-	-
250 EMPLOYEES AND OVER	13	2	-	3	2	-	-	-	-	-	-	-	-	1	-	-	-	-	3	-	-	-
CLAY COUNTY	5	-	-	-	-	4	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	5	-	-	-	-	4	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
CLAYTON COUNTY	127	11	-	3	2	7	5	4	15	12	5	5	2	13	-	-	10	17	-	-	-	-
1 TO 19 EMPLOYEES	82	3	-	1	1	6	2	7	13	6	5	3	1	7	-	-	6	16	-	-	-	-
20 TO 99 EMPLOYEES	30	5	-	1	1	1	2	3	1	3	-	2	1	4	-	-	2	1	-	-	-	-
100 TO 249 EMPLOYEES	11	5	-	1	-	-	-	-	2	2	-	-	1	1	-	-	1	1	-	-	-	-
250 EMPLOYEES AND OVER	4	-	-	-	-	-	-	-	1	1	-	-	-	1	-	-	2	-	-	-	-	-
CLINCH COUNTY	38	-	-	-	1	35	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES	32	-	-	-	1	31	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	5	-	-	-	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobb COUNTY	284	9	-	12	12	9	13	12	46	23	2	14	1	24	5	19	35	11	5	4	16	12
1 TO 19 EMPLOYEES	199	4	-	6	5	7	8	4	43	14	2	10	-	17	3	12	30	9	4	1	15	5
20 TO 99 EMPLOYEES	64	3	-	2	6	1	4	4	1	7	-	3	-	7	2	6	5	2	-	-	1	7
100 TO 249 EMPLOYEES	16	5	-	3	1	1	1	3	2	2	-	1	1	1	-	1	-	-	-	-	-	-
250 EMPLOYEES AND OVER	5	2	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-
COFFEE COUNTY	59	7	-	1	5	31	2	-	2	2	2	2	-	1	-	3	1	1	-	-	-	-
1 TO 19 EMPLOYEES	44	4	-	1	2	28	2	-	2	2	-	1	-	1	-	-	1	1	-	-	-	-
20 TO 99 EMPLOYEES	7	1	-	1	2	1	-	-	-	-	-	1	-	-	-	-	2	-	-	-	-	-
100 TO 249 EMPLOYEES	5	2	-	3	3	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
250 EMPLOYEES AND OVER	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLQUITT COUNTY	74	5	-	2	12	25	13	12	4	2	-	-	1	1	2	6	5	-	3	2	1	-
1 TO 19 EMPLOYEES	53	2	-	1	6	22	8	7	3	1	-	-	1	1	1	3	7	-	2	2	1	-
20 TO 99 EMPLOYEES	8	2	-	1	1	1	-	-	1	1	-	-	-	-	-	2	1	-	-	-	-	-
100 TO 249 EMPLOYEES	11	1	-	-	5	2	1	1	2	-	-	-	-	-	-	1	-	-	1	-	-	-
250 EMPLOYEES AND OVER	2	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLUMBIA COUNTY	41	2	-	1	2	22	-	-	1	-	-	3	-	3	1	1	4	1	-	-	-	-
1 TO 19 EMPLOYEES	32	2	-	1	1	21	-	-	1	-	-	3	-	2	1	1	2	-	-	-	-	-
20 TO 99 EMPLOYEES	5	-	-	1	1	1	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
COOK COUNTY	31	1	-	-	2	14	1	-	3	-	-	-	-	2	-	2	4	1	-	-	-	-
1 TO 19 EMPLOYEES	23	1	-	-	-	10	1	-	-	-	-	-	-	2	-	2	4	1	-	-	-	-
20 TO 99 EMPLOYEES	4	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COWETA COUNTY	54	4	-	3	8	15	-	-	1	3	-	1	-	2	2	5	2	2	-	1	1	2
1 TO 19 EMPLOYEES	24	1	-	-	1	13	-	-	-	1	1	3	-	1	1	3	2	2	-	-	-	-
20 TO 99 EMPLOYEES	13	2	-	-	4	1	-	-	1	2	-	2	-	1	1	1	1	1	-	-	-	-
100 TO 249 EMPLOYEES	5	1	-	1	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	7	-	-	2	1	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
CRAWFORD COUNTY	9	1	-	1	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	6	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	2	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

the bottom, at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class	All es- tablish- ments	Establishments in major industry groups																	39	CAO's
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
CRISP COUNTY	47	4	-	-	6	12	-	1	3	3	-	3	-	3	2	1	7	-	-	1
1 TO 19 EMPLOYEES	27	3	-	-	3	6	-	1	2	1	-	1	-	2	1	1	4	-	-	1
20 TO 99 EMPLOYEES	14	1	-	-	3	3	-	-	1	2	-	1	-	1	1	-	1	-	-	1
100 TO 249 EMPLOYEES	4	-	-	-	1	1	-	-	-	-	-	1	-	-	-	-	1	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DADE COUNTY	8	-	-	1	-	3	1	-	-	-	-	-	-	1	1	-	1	-	-	-
1 TO 19 EMPLOYEES	4	-	-	-	-	2	-	-	-	-	-	-	-	1	1	-	1	-	-	-
20 TO 99 EMPLOYEES	3	-	-	-	-	1	1	-	-	-	-	-	-	1	1	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DAWSON COUNTY	6	-	-	1	1	3	-	-	-	-	-	1	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	4	-	-	-	-	3	-	-	-	-	-	1	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DECATUR COUNTY	48	7	-	1	2	16	-	-	3	5	1	1	-	4	-	1	5	-	2	-
1 TO 19 EMPLOYEES	30	4	-	-	-	14	-	-	2	2	1	-	-	3	-	1	3	-	1	-
20 TO 99 EMPLOYEES	10	2	-	-	-	1	-	-	1	3	-	-	-	1	-	1	1	-	-	-
100 TO 249 EMPLOYEES	5	1	-	-	2	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-
250 EMPLOYEES AND OVER	3	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-
DE KALB COUNTY	666	32	-	3	22	35	27	18	137	49	6	23	3	29	9	61	65	34	17	10
1 TO 19 EMPLOYEES	470	16	-	1	19	31	17	6	118	33	5	15	2	19	5	38	45	18	13	9
20 TO 99 EMPLOYEES	148	8	-	-	3	4	9	5	14	11	1	7	1	10	4	22	16	9	2	1
100 TO 249 EMPLOYEES	35	4	-	-	-	-	1	7	4	4	-	1	-	-	-	1	4	4	1	-
250 EMPLOYEES AND OVER	15	4	-	2	-	-	-	-	1	1	-	-	-	-	-	-	-	3	1	-
DODGE COUNTY	42	3	-	1	2	28	-	-	3	-	-	1	-	2	-	1	-	-	-	1
1 TO 19 EMPLOYEES	35	1	-	-	-	27	-	-	3	-	-	1	-	2	-	-	-	-	-	1
20 TO 99 EMPLOYEES	4	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DOOLY COUNTY	16	-	-	-	2	8	-	-	1	1	-	-	-	-	-	-	4	-	-	-
1 TO 19 EMPLOYEES	11	-	-	-	-	6	-	-	1	1	-	-	-	-	-	-	4	-	-	-
20 TO 99 EMPLOYEES	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	3	-	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DOUGHERTY COUNTY	97	14	-	2	4	15	4	5	11	8	-	1	-	5	-	9	9	1	2	1
1 TO 19 EMPLOYEES	63	6	-	-	3	13	3	2	8	4	-	-	-	3	-	6	8	1	1	1
20 TO 99 EMPLOYEES	18	4	-	-	1	2	1	1	1	3	-	-	-	2	-	3	-	-	-	-
100 TO 249 EMPLOYEES	6	1	-	-	-	-	2	-	2	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	10	3	-	2	-	-	-	1	-	1	-	1	-	-	-	-	1	-	-	-
DOUGLAS COUNTY	41	-	-	3	2	5	1	-	5	1	5	-	-	4	1	6	5	-	1	1
1 TO 19 EMPLOYEES	32	-	-	1	1	5	1	-	5	1	3	-	-	3	-	5	4	-	1	1
20 TO 99 EMPLOYEES	8	-	-	1	1	1	-	-	-	-	-	-	-	1	1	1	1	-	-	-
100 TO 249 EMPLOYEES	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EARLY COUNTY	26	-	-	-	3	11	-	3	4	1	-	-	-	2	-	-	1	1	-	-
1 TO 19 EMPLOYEES	20	-	-	-	-	10	-	2	4	1	-	-	-	2	-	-	1	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	4	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
ECHOLS COUNTY	3	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	2	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EFFINGHAM COUNTY	31	2	-	-	3	22	-	-	2	1	-	-	-	1	-	-	-	-	-	-
1 TO 19 EMPLOYEES	26	2	-	-	1	20	-	-	2	-	-	-	-	1	-	-	-	-	-	-
20 TO 99 EMPLOYEES	3	-	-	-	1	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ELBERT COUNTY	109	-	-	1	4	11	-	-	2	-	-	-	-	66	-	-	3	1	-	1
1 TO 19 EMPLOYEES	78	-	-	-	-	11	-	-	2	-	-	-	-	61	-	-	3	-	-	-
20 TO 99 EMPLOYEES	23	-	-	-	-	-	-	-	-	-	-	-	-	23	-	-	-	-	-	-
100 TO 249 EMPLOYEES	6	-	-	-	3	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977—Con.

(Major groups descriptions are: 20--food and kindred products; 21--textile mill products; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of letters, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																												
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	
EMANUEL COUNTY	62	7	2	6	25	1	1	1	3	1	1	2	1	1	1	8	4	4	1	1	1	1	1	1	1	1	1	1	1	1
1 TO 19 EMPLOYEES	43	6	1	1	24	1	1	1	3	1	1	1	1	1	1	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1
20 TO 99 EMPLOYEES	12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
100 TO 249 EMPLOYEES	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
250 EMPLOYEES AND OVER	3	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
EVANS COUNTY	22	6	1	1	7	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1
1 TO 19 EMPLOYEES	15	4	1	1	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20 TO 99 EMPLOYEES	5	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
250 EMPLOYEES AND OVER	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
FANNIN COUNTY	21	1	1	4	7	4	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1 TO 19 EMPLOYEES	16	1	1	1	7	3	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20 TO 99 EMPLOYEES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
100 TO 249 EMPLOYEES	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
250 EMPLOYEES AND OVER	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
FAYETTE COUNTY	39	5	2	1	10	1	1	2	2	1	2	1	1	4	4	5	2	2	1	1	1	1	1	1	1	1	1	1	1	1
1 TO 19 EMPLOYEES	25	2	1	1	10	1	1	2	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20 TO 99 EMPLOYEES	11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
100 TO 249 EMPLOYEES	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
250 EMPLOYEES AND OVER	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
FLOYD COUNTY	107	10	26	5	16	2	3	9	1	1	2	2	1	1	5	5	6	4	4	1	1	1	1	1	1	1	1	1	1	1
1 TO 19 EMPLOYEES	56	2	12	2	12	1	1	7	1	1	1	2	1	1	4	2	4	3	2	1	1	1	1	1	1	1	1	1	1	1
20 TO 99 EMPLOYEES	27	4	8	1	3	1	1	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
100 TO 249 EMPLOYEES	11	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
250 EMPLOYEES AND OVER	11	2	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
FORSYTH COUNTY	26	3	1	2	5	1	1	3	1	1	1	1	1	4	4	1	2	2	1	2	1	1	1	1	1	1	1	1	1	1
1 TO 19 EMPLOYEES	18	2	1	1	5	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20 TO 99 EMPLOYEES	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
250 EMPLOYEES AND OVER	3	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
FRANKLIN COUNTY	21	2	2	4	3	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1 TO 19 EMPLOYEES	9	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20 TO 99 EMPLOYEES	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
100 TO 249 EMPLOYEES	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
250 EMPLOYEES AND OVER	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
FULTON COUNTY	1100	86	13	68	42	43	42	249	74	12	27	27	4	46	14	89	82	31	27	19	50	83	1	1	1	1	1	1	1	1
1 TO 19 EMPLOYEES	700	43	5	24	34	28	16	191	38	9	12	12	4	27	6	65	53	18	16	14	37	60	1	1	1	1	1	1	1	1
20 TO 99 EMPLOYEES	291	25	7	28	7	12	17	46	29	3	11	11	1	13	4	21	21	8	7	4	10	16	1	1	1	1	1	1	1	1
100 TO 249 EMPLOYEES	75	11	1	13	1	2	5	7	5	1	4	4	1	3	3	1	8	3	1	1	3	5	1	1	1	1	1	1	1	1
250 EMPLOYEES AND OVER	34	7	1	3	1	1	4	3	2	1	1	1	1	3	1	2	1	2	3	1	2	2	1	1	1	1	1	1	1	1
GILMER COUNTY	31	2	8	13	13	2	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1 TO 19 EMPLOYEES	22	1	3	11	11	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20 TO 99 EMPLOYEES	4	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
100 TO 249 EMPLOYEES	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
250 EMPLOYEES AND OVER	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GLASCOCK COUNTY	8	2	1	1	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1 TO 19 EMPLOYEES	5	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20 TO 99 EMPLOYEES	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
100 TO 249 EMPLOYEES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
250 EMPLOYEES AND OVER	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GLYNN COUNTY	90	8	1																											

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 – Con.

(Major groups descriptions are: 20--food and kindred products; 21--textile manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and plastic products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries; 44--explanatory of terms; see appendix B).

[illegible]

equal to plus or minus one of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																		39	CAO's	
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37			38
LUMPKIN COUNTY	9	2	-	1	-	4	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-
1 TO 19 EMPLOYEES	6	1	-	-	-	4	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MC DUFFIE COUNTY	27	1	-	1	2	12	-	-	4	-	-	1	-	2	1	-	1	-	1	-	-	1
1 TO 19 EMPLOYEES	14	1	-	-	-	7	-	-	4	-	-	-	-	2	1	-	1	-	1	-	-	1
20 TO 99 EMPLOYEES	9	-	-	-	1	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	1	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MC INTOSH COUNTY	10	6	-	-	-	1	-	-	1	-	-	-	1	-	-	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES	8	5	-	-	-	1	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-
20 TO 99 EMPLOYEES	1	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MACON COUNTY	13	1	-	-	1	6	-	-	-	1	-	1	-	-	-	1	1	-	1	-	-	-
1 TO 19 EMPLOYEES	10	-	-	-	-	6	-	-	-	1	-	1	-	-	-	1	1	-	1	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADISON COUNTY	43	6	-	3	6	17	1	-	2	1	-	-	-	4	-	-	2	-	-	-	1	-
1 TO 19 EMPLOYEES	36	6	-	2	1	16	1	-	2	1	-	-	-	4	-	-	2	-	-	-	1	-
20 TO 99 EMPLOYEES	3	-	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	3	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MARION COUNTY	17	1	-	-	-	15	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	15	-	-	-	-	15	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERIWETHER COUNTY	36	2	-	2	2	16	-	-	9	-	-	-	-	2	-	1	1	-	-	-	1	-
1 TO 19 EMPLOYEES	23	1	-	1	1	11	-	-	7	-	-	-	-	2	-	1	1	-	-	-	-	-
20 TO 99 EMPLOYEES	7	-	-	-	-	3	-	-	2	-	-	-	-	-	-	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES	2	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	4	-	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MILLER COUNTY	6	2	-	-	1	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	5	2	-	-	-	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MITCHELL COUNTY	47	3	-	2	5	23	-	-	4	1	-	1	-	-	-	1	2	-	3	-	2	-
1 TO 19 EMPLOYEES	31	2	-	1	-	18	-	-	4	1	-	1	-	-	-	1	1	-	1	-	2	-
20 TO 99 EMPLOYEES	11	-	-	2	2	5	-	-	-	1	-	-	-	-	-	-	1	-	2	-	-	-
100 TO 249 EMPLOYEES	4	1	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONROE COUNTY	40	2	-	6	2	23	-	-	3	1	-	-	-	-	-	1	-	-	-	-	-	-
1 TO 19 EMPLOYEES	32	2	-	1	-	22	-	-	3	1	-	-	-	-	-	1	1	-	-	-	-	-
20 TO 99 EMPLOYEES	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	4	-	-	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTGOMERY COUNTY	33	-	-	-	3	24	-	-	4	1	-	-	-	-	-	-	-	-	-	-	1	-
1 TO 19 EMPLOYEES	28	-	-	-	-	22	-	-	4	1	-	-	-	-	-	-	-	-	-	-	1	-
20 TO 99 EMPLOYEES	3	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MORGAN COUNTY	33	3	-	1	4	14	1	1	3	2	-	1	-	1	-	-	-	-	-	-	1	-
1 TO 19 EMPLOYEES	23	3	-	-	1	14	-	-	2	1	-	-	-	1	-	-	-	-	-	-	1	-
20 TO 99 EMPLOYEES	4	-	-	-	3	-	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MURRAY COUNTY	83	-	-	56	4	6	-	-	4	-	-	4	-	-	-	-	9	-	-	-	-	-
1 TO 19 EMPLOYEES	46	-	-	23	2	5	-	-	4	-	-	3	-	-	-	-	9	-	-	-	-	-
20 TO 99 EMPLOYEES	28	-	-	25	1	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	5	-	-	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	4	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977—Con.

(Major groups descriptions are: 20--food and kindred products; 21--textile mill products; 22--apparel and other textile products; 24--rubber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--chemicals and allied products; 28--petroleum and coal products; 30--rubber and plastic products; 31--leather and leather products; 32--metal, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All establishments	Establishments in major industry groups																												
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
NEWTON COUNTY.	34	2	-	2	1	6	-	2	4	3	-	-	-	3	2	2	1	1	2	1	2	1	2	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	20	2	-	2	-	5	-	-	3	1	-	-	-	3	1	1	1	1	2	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	7	-	-	1	-	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	4	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	3	-	-	1	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OCONEE COUNTY.	18	1	-	-	1	6	2	-	1	-	-	-	-	1	1	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	12	1	-	-	-	6	1	-	1	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	5	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OGLETHORPE COUNTY.	19	-	-	1	-	13	-	-	2	-	-	-	-	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	17	-	-	-	-	13	-	-	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PAULDING COUNTY.	29	2	-	4	3	15	-	-	1	-	-	-	-	1	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	23	2	-	1	1	15	-	-	1	-	-	-	-	1	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	3	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	3	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PEACH COUNTY.	25	2	1	-	1	5	-	-	2	4	-	-	-	1	-	4	2	-	2	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	18	1	1	-	-	5	-	-	2	2	-	-	-	1	-	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	2	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PICKENS COUNTY.	20	-	-	2	3	5	1	-	1	-	-	2	-	3	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	13	-	-	-	1	5	1	-	1	-	-	-	-	2	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	2	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PIERCE COUNTY.	27	2	-	-	3	13	-	-	2	1	-	-	1	1	-	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	22	2	-	-	1	12	-	-	2	-	-	-	1	1	-	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	3	-	-	-	2	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PIKE COUNTY.	4	1	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
POLK COUNTY.	41	3	-	4	1	8	3	2	4	2	-	2	-	3	-	3	4	1	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	22	3	-	-	-	7	1	1	4	1	-	1	-	2	-	1	3	1	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	9	-	-	-	-	1	1	2	-	1	-	-	-	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	4	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	6	-	-	3	1	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
PULASKI COUNTY.	16	1	1	1	2	7	-	-	2	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	13	1	1	1	1	6	-	-	2	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PUTNAM COUNTY.	16	-	-	-	-	11	-	-	1	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	11	-	-	-	-	8	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QUITMAN COUNTY.	16	-	-	-	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	16	-	-	-	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RABUN COUNTY.	12	1	-	1	1	2	1	-	2	-	-	-	1	-	-	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	7	1	-	-	-	2	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	2	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RANDOLPH COUNTY.	25	1	-	-	1	16	-	-	1	-	-	-	-	1	-	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	18	1	-	-	-	13	-	-	1	-	-	-	-	1	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	4	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	3	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977—Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
RICHMOND COUNTY.	166	17	-	9	3	22	5	10	21	18	-	2	-	13	1	8	12	2	1	4	6	7
1 TO 19 EMPLOYEES.	91	4	-	3	2	15	4	2	19	9	-	2	-	7	1	4	8	2	-	3	4	2
20 TO 99 EMPLOYEES.	44	7	-	1	3	7	1	4	1	5	-	-	-	3	-	3	4	2	-	-	1	4
100 TO 249 EMPLOYEES.	16	5	-	-	2	-	-	2	3	3	-	-	-	1	-	1	-	-	-	-	1	1
250 EMPLOYEES AND OVER.	15	1	-	5	1	-	-	2	1	1	-	-	-	2	-	-	-	-	1	1	-	-
ROCKDALE COUNTY.	50	1	-	1	3	2	3	2	3	3	1	4	-	5	1	5	7	3	1	-	3	2
1 TO 19 EMPLOYEES.	27	1	-	1	-	1	-	1	1	2	1	1	-	5	1	3	6	1	1	-	2	1
20 TO 99 EMPLOYEES.	16	-	-	-	1	1	2	1	2	1	1	3	-	-	-	2	-	-	-	-	1	1
100 TO 249 EMPLOYEES.	5	-	-	-	2	1	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
250 EMPLOYEES AND OVER.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SCHLEY COUNTY.	18	-	-	-	-	11	2	-	-	-	-	-	1	-	-	2	-	-	2	-	-	-
1 TO 19 EMPLOYEES.	12	-	-	-	-	9	1	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-
20 TO 99 EMPLOYEES.	4	-	-	-	-	1	1	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-
100 TO 249 EMPLOYEES.	2	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
SCREVEN COUNTY.	39	2	-	2	1	28	-	-	2	-	-	-	-	1	-	-	2	-	-	-	-	-
1 TO 19 EMPLOYEES.	33	2	-	-	-	27	-	-	2	-	-	-	-	1	-	-	1	-	-	-	-	-
20 TO 99 EMPLOYEES.	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	3	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SEMINOLE COUNTY.	13	1	-	-	2	4	-	-	1	-	-	1	-	1	-	1	2	-	-	-	-	-
1 TO 19 EMPLOYEES.	11	1	-	-	1	4	-	-	1	-	-	1	-	1	-	1	1	-	-	-	-	-
20 TO 99 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SPALDING COUNTY.	54	7	-	7	4	5	2	-	6	2	-	4	-	1	-	3	7	1	1	1	2	1
1 TO 19 EMPLOYEES.	32	4	-	-	-	4	2	-	5	2	-	1	-	1	-	2	5	1	1	1	2	1
20 TO 99 EMPLOYEES.	11	2	-	2	-	1	-	-	1	-	-	3	-	-	-	1	1	-	-	-	-	-
100 TO 249 EMPLOYEES.	2	1	-	5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STEPHENS COUNTY.	49	1	-	4	2	6	8	-	4	3	-	1	-	4	2	2	11	-	-	-	1	-
1 TO 19 EMPLOYEES.	24	-	-	-	-	6	2	-	3	2	-	-	-	4	2	1	6	-	-	-	-	-
20 TO 99 EMPLOYEES.	16	1	-	-	1	5	5	-	1	1	-	1	-	4	2	1	3	-	-	-	-	-
100 TO 249 EMPLOYEES.	4	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-
250 EMPLOYEES AND OVER.	5	-	-	2	1	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
STEWART COUNTY.	15	-	-	-	-	13	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-
1 TO 19 EMPLOYEES.	11	-	-	-	-	10	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	3	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUMTER COUNTY.	55	3	-	1	2	17	6	1	3	2	-	4	-	-	3	2	2	3	2	-	3	1
1 TO 19 EMPLOYEES.	36	2	-	1	-	12	3	1	2	1	-	2	-	-	3	1	2	-	2	-	3	1
20 TO 99 EMPLOYEES.	15	1	-	-	1	5	2	-	1	1	-	1	-	-	1	-	-	2	-	-	-	-
100 TO 249 EMPLOYEES.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
250 EMPLOYEES AND OVER.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TALBOT COUNTY.	21	-	-	-	-	19	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	19	-	-	-	-	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TALIAFERRO COUNTY.	7	1	-	-	-	4	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	6	1	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TATTNALL COUNTY.	35	3	-	-	7	16	-	-	2	-	-	-	-	-	1	-	3	-	1	-	-	-
1 TO 19 EMPLOYEES.	29	3	-	-	1	18	-	-	2	-	-	-	-	-	1	-	3	-	1	-	-	-
20 TO 99 EMPLOYEES.	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TAYLOR COUNTY.	16	1	-	-	4	7	-	-	2	1	-	-	1	1	-	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES.	14	1	-	-	1	7	-	-	2	1	-	-	-	1	-	-	1	-	-	-	-	-
20 TO 99 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	3	-	-	-	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
TELFAIR COUNTY.	21	4	-	-	3	9	-	-	1	-	-	-	-	3	-	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES.	15	3	-	-	1	6	-	-	1	-	-	-	-	3	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	3	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

¹ See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 — Con.

(Major groups descriptions are: 20--food and kindred products; 21--textile mill products; 22--apparel and other textile products; 24--rubber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All establishments	Establishments in major industry groups																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
TERRELL COUNTY	14	1	-	-	2	4	-	-	2	-	-	1	-	-	-	1	1	-	-	-	2
1 TO 19 EMPLOYEES	10	-	-	-	-	4	-	-	2	-	-	-	-	-	-	1	1	-	-	-	2
20 TO 99 EMPLOYEES	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
THOMAS COUNTY	75	10	-	1	7	33	3	-	5	-	-	2	-	1	-	3	5	-	2	1	2
1 TO 19 EMPLOYEES	51	6	-	2	2	28	1	-	4	-	-	2	-	1	-	1	5	-	1	1	-
20 TO 99 EMPLOYEES	10	2	-	3	1	-	-	-	1	-	-	-	-	-	-	1	-	-	1	-	1
100 TO 249 EMPLOYEES	10	-	-	-	3	3	2	-	-	-	-	-	-	-	-	2	-	-	-	-	-
250 EMPLOYEES AND OVER	4	2	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TIFT COUNTY	66	13	-	6	2	13	-	-	5	3	-	3	-	5	1	3	7	3	-	-	-
1 TO 19 EMPLOYEES	39	6	-	-	-	12	-	-	4	1	-	3	-	5	-	1	5	2	-	-	-
20 TO 99 EMPLOYEES	17	7	-	3	-	1	-	-	1	2	-	-	-	-	-	2	1	-	-	-	-
100 TO 249 EMPLOYEES	5	-	-	3	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
250 EMPLOYEES AND OVER	5	-	-	2	1	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-
TOOMBS COUNTY	51	5	-	-	7	24	-	1	4	1	-	-	-	1	-	3	4	1	-	-	-
1 TO 19 EMPLOYEES	35	4	-	-	1	21	-	-	3	1	-	-	-	1	-	1	3	-	-	-	-
20 TO 99 EMPLOYEES	10	1	-	-	1	3	-	1	1	-	-	-	-	-	-	2	1	-	-	-	-
100 TO 249 EMPLOYEES	4	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
TOWNS COUNTY	5	-	-	-	1	2	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	4	-	-	-	-	2	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TREUTLEN COUNTY	15	2	-	1	2	6	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	12	2	-	-	-	6	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	2	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TROUP COUNTY	96	5	-	16	7	30	-	-	6	-	-	2	-	5	1	7	4	1	2	-	6
1 TO 19 EMPLOYEES	51	4	-	2	1	28	-	-	4	-	-	-	-	4	1	2	1	-	2	-	3
20 TO 99 EMPLOYEES	20	1	-	1	4	2	-	-	2	-	-	1	-	1	1	3	1	-	2	-	2
100 TO 249 EMPLOYEES	13	-	-	7	-	-	-	-	-	-	-	-	-	-	-	2	1	1	-	-	2
250 EMPLOYEES AND OVER	12	-	-	6	2	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	1
TURNER COUNTY	13	2	-	-	2	5	-	-	1	-	-	-	-	1	-	-	-	2	-	-	-
1 TO 19 EMPLOYEES	6	1	-	-	-	3	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-
100 TO 249 EMPLOYEES	4	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TWIGGS COUNTY	14	1	-	1	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
1 TO 19 EMPLOYEES	13	1	-	1	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
20 TO 99 EMPLOYEES	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UNION COUNTY	22	-	-	-	4	10	-	-	1	1	1	-	1	2	-	-	-	-	-	-	1
1 TO 19 EMPLOYEES	15	-	-	-	-	10	-	-	1	1	1	-	-	1	-	-	-	-	-	-	1
20 TO 99 EMPLOYEES	6	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
UPSON COUNTY	30	-	-	4	2	11	-	1	3	-	-	-	-	3	-	3	2	-	-	-	1
1 TO 19 EMPLOYEES	22	-	-	-	1	10	-	-	3	-	-	-	-	3	-	3	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	6	-	-	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WALKER COUNTY	68	3	-	27	6	8	-	3	1	2	-	-	-	1	-	5	6	2	-	-	2
1 TO 19 EMPLOYEES	33	1	-	6	1	8	-	2	1	1	-	-	-	1	-	3	8	1	-	-	-
20 TO 99 EMPLOYEES	15	1	-	5	4	-	-	1	-	-	-	-	-	-	-	2	-	-	-	-	-
100 TO 249 EMPLOYEES	12	1	-	9	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	8	-	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
WALTON COUNTY	42	4	-	4	2	7	1	-	1	1	-	4	-	2	1	3	1	-	2	-	2
1 TO 19 EMPLOYEES	19	1	-	1	2	6	-	-	1	1	-	1	-	1	1	1	1	-	2	-	-
20 TO 99 EMPLOYEES	9	1	-	1	1	1	-	-	1	-	-	2	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	9	1	-	1	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	5	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WARE COUNTY	81	10	1	1	7	35	1	1	6	2	-	1	2	6	-	2	5	-	-	-	1
1 TO 19 EMPLOYEES	58	5	-	-	4	29	1	1	5	1	-	-	1	5	-	2	5	-	-	-	-
20 TO 99 EMPLOYEES	16	5	-	-	2	4	-	-	1	1	-	-	1	1	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	5	-	-	1	1	2	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-

¹See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 – Con.

Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
WARREN COUNTY	8	-	-	-	1	4	1	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	3	-	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	3	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WASHINGTON COUNTY	54	3	-	1	3	38	-	-	2	1	-	-	-	5	-	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES	4	1	-	-	1	35	-	-	2	1	-	-	-	1	-	-	1	-	-	-	-	-
20 TO 99 EMPLOYEES	7	2	-	1	3	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	4	-	-	1	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	1	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
WAYNE COUNTY	44	2	-	2	7	22	2	2	2	-	-	1	-	1	1	1	2	-	-	-	-	-
1 TO 19 EMPLOYEES	32	2	-	1	1	22	1	1	1	-	-	1	-	1	-	1	2	-	-	-	-	-
20 TO 99 EMPLOYEES	10	-	-	1	6	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEBSTER COUNTY	10	-	-	-	-	8	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
1 TO 19 EMPLOYEES	8	-	-	-	-	7	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
20 TO 99 EMPLOYEES	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
WHEELER COUNTY	21	1	-	-	1	17	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	20	1	-	-	1	17	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WHITE COUNTY	24	1	-	1	3	16	1	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1
1 TO 19 EMPLOYEES	17	1	-	-	3	14	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
20 TO 99 EMPLOYEES	5	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WHITFIELD COUNTY	344	7	-	214	14	11	3	6	15	9	1	14	4	7	1	3	27	-	1	-	1	6
1 TO 19 EMPLOYEES	210	3	-	127	9	9	2	4	6	7	1	5	3	3	1	2	21	-	1	-	1	5
20 TO 99 EMPLOYEES	97	3	-	56	4	2	1	2	7	2	-	8	1	4	-	1	6	-	-	-	1	1
100 TO 249 EMPLOYEES	23	-	-	19	1	-	-	-	1	-	-	1	1	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	14	1	-	12	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
WILCOX COUNTY	10	-	-	-	1	8	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	9	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WILKES COUNTY	55	2	-	5	8	32	1	-	1	1	-	2	-	1	-	-	2	-	-	-	-	-
1 TO 19 EMPLOYEES	39	1	-	2	2	28	1	-	1	1	-	2	2	1	-	-	2	-	-	-	-	-
20 TO 99 EMPLOYEES	10	-	-	1	4	3	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	5	1	-	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WILKINSON COUNTY	23	-	-	-	1	18	-	-	2	1	-	-	-	1	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	20	-	-	-	-	16	-	-	2	1	-	-	-	1	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	2	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WORTH COUNTY	24	2	-	1	5	12	-	-	1	-	-	-	-	-	-	-	1	-	2	-	-	-
1 TO 19 EMPLOYEES	14	-	-	-	1	10	-	-	1	-	-	-	-	-	-	-	1	-	1	-	-	-
20 TO 99 EMPLOYEES	5	1	-	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
100 TO 249 EMPLOYEES	4	1	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLUMBUS (INDEPENDENT CITY)	160	17	-	11	9	23	5	2	16	4	-	3	-	12	4	16	17	6	5	4	3	3
1 TO 19 EMPLOYEES	88	6	-	-	4	19	2	1	10	2	-	1	-	6	2	9	15	2	5	3	2	2
20 TO 99 EMPLOYEES	40	1	-	1	4	4	3	1	4	2	-	-	-	6	1	6	1	1	1	1	1	1
100 TO 249 EMPLOYEES	13	6	-	1	1	-	-	-	1	-	-	1	-	1	-	-	1	-	-	-	-	-
250 EMPLOYEES AND OVER	19	4	-	9	-	-	-	-	1	-	-	-	-	-	2	-	1	-	1	-	-	-

Note: Data on number of establishments by employment size class by 4-digit SIC industry for States, counties, and selected cities are presented in Location of Manufacturing Plants data series. This series is available only on computer tape see Introduction.

- Represents zero.

Only those counties and size classes that include data for manufacturing establishments are shown.

Hawaii

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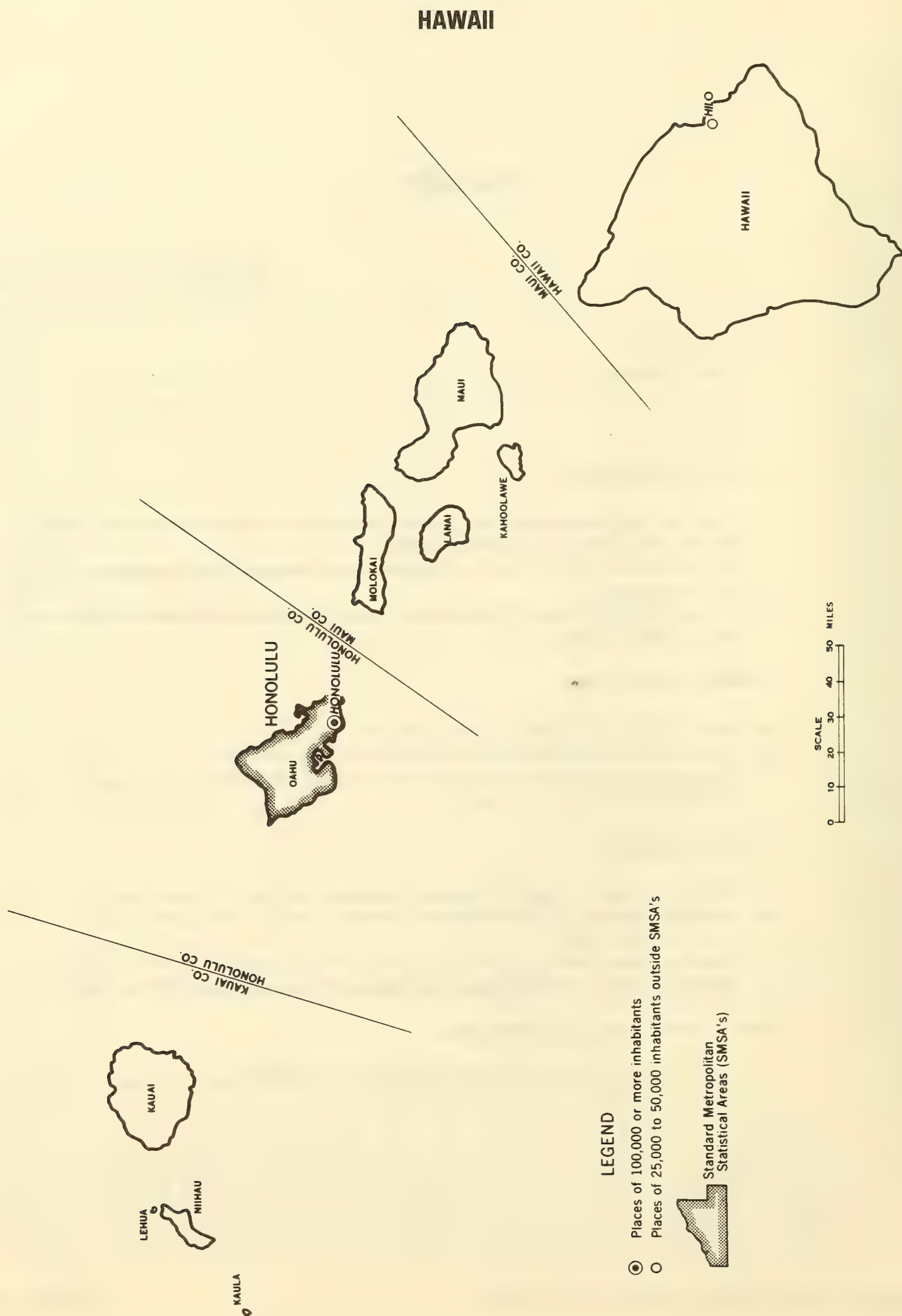
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SUMMARY OF FINDINGS

In 1977, 25.0 thousand persons were employed in Hawaii's manufacturing establishments. This figure represented an increase of 1 percent from the 1972 figure of 24.8 thousand workers.

The total value added by manufacture for the State amounted to \$786 million in 1977, an increase of approximately 92 percent from the 1972 figure of \$410 million. All dollar figures in this report are in current dollars and are, therefore, not adjusted for changes in price levels.

In the State, the most important industry groups ranked by employment were food and kindred products; apparel and other textile products; printing and publishing; and stone, clay, and glass products. They accounted for approximately 69 percent of the State's 1977 employment. These same industry

groups were in the forefront for 1972 when they accounted for approximately 75 percent of the State's employment.

The counties in the State ranked by employment, were Honolulu, Hawaii, Maui, and Kauai.

The methods of data collection and use of administrative records data are discussed in detail in the Introduction. Small single-unit companies with up to 20 employees (the cutoff varied by industry) were excluded from the mail portion of the census. For these establishments (and a small number of larger establishments whose reports were not received in time to be tabulated), statistics on payrolls and receipts were obtained from administrative records of other government agencies. Other statistics were developed from industry averages. For this State, these establishments accounted for 6 percent of the total value of shipments.

Table 1. Historical Employment Statistics for Operating Manufacturing Establishments and Central Administrative Offices: 1977 and Earlier Years

(For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

State, standard metropolitan statistical area, and year	All establishments		Operating manufacturing establishments		Central administrative offices and auxiliaries ¹	
	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)
Hawaii:						
1977.....	25.0	276.8	23.6	254.1	1.4	22.9
1972.....	24.8	191.1	(D)	(D)	(D)	(D)
1967.....	25.4	139.6	24.4	129.9	1.0	9.7
1963.....	25.1	109.0	24.3	101.9	.9	7.1
STANDARD METROPOLITAN STATISTICAL AREA						
Honolulu:						
1977.....	19.6	215.2	18.2	192.7	1.4	22.5
1972.....	19.6	148.9	18.8	138.0	.8	10.9
1967.....	19.5	107.5	18.5	98.2	1.0	9.3
1963.....	18.0	80.6	(D)	(D)	(D)	(D)

(D) Withheld to avoid disclosing operations of individual companies.

¹Defined in appendix B. Data for these establishments are included at the total manufacturing level in each table in this report. Data for these establishments are shown separately in tables 5 and 9 and included in State, SMSA, county, or city totals in other tables.

**Table 2a. Historical Statistics for the State and Selected Standard Metropolitan Statistical Areas:
1977 and Earlier Years**

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Establishments ²		All employees ²		Production workers							Comparative indexes and U.S. employment			
	Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)	Value added by manu- facture (million dollars)	Cost of materials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)	Percent of U.S. manufac- turing employ- ment (per- cent)	Index of State employ- ment change (1977= 100)	Index of manufac- turing employ- ment change (1977= 100)	U.S. manu- facturing employ- ment (1,000)
HAWAII															
1977 CENSUS.	949	231	25.0	276.8	17.4	31.3	160.5	785.5	1 176.1	1 974.0	44.4	.13	100	100	19 596.9
1976 ASM....	(NA)	(NA)	24.2	266.8	17.1	30.8	153.9	700.3	1 156.8	1 854.8	55.6	.13	97	96	18 753.0
1975 ASM....	(NA)	(NA)	23.7	236.7	16.9	30.6	133.0	685.4	1 116.2	1 800.3	51.5	.13	95	94	18 302.2
1974 ASM....	(NA)	(NA)	22.5	210.4	15.8	28.8	116.6	913.8	952.9	1 848.2	50.2	.11	90	102	19 844.8
1973 ASM....	(NA)	(NA)	24.3	195.5	17.5	31.9	117.9	496.1	592.9	1 086.4	36.6	.12	97	102	19 897.9
1972 CENSUS.	773	238	24.8	191.1	17.7	33.1	113.7	410.0	548.3	955.6	46.7	.13	99	98	19 028.7
1971 ASM....	(NA)	(NA)	24.4	176.6	17.5	34.3	105.7	435.0	465.9	899.9	28.0	.13	97	94	18 363.1
1970 ASM....	(NA)	(NA)	24.8	168.7	18.1	35.3	102.8	408.6	451.1	856.9	40.5	.13	99	99	19 217.2
1969 ASM....	(NA)	(NA)	23.9	145.3	17.9	33.2	90.8	351.0	408.3	758.1	19.8	.12	95	103	20 035.5
1968 ASM....	(NA)	(NA)	23.2	134.0	17.4	32.2	83.3	353.9	381.9	737.1	15.6	.12	93	100	19 527.6
1967 CENSUS.	697	215	25.4	139.6	19.0	35.9	86.9	326.2	399.6	723.4	26.0	.13	101	99	19 323.2
1966 ASM....	(NA)	(NA)	24.8	123.8	18.7	34.3	78.2	310.8	371.5	680.9	24.1	.13	99	98	19 024.5
1965 ASM....	(NA)	(NA)	25.4	118.1	18.7	34.0	73.5	292.1	365.9	655.5	17.2	.14	101	92	18 010.2
1964 ASM....	(NA)	(NA)	25.0	113.7	18.3	33.1	69.4	268.8	372.0	638.4	17.7	.14	100	89	17 268.5
1963 CENSUS.	672	203	25.1	109.0	18.7	33.2	67.5	261.1	(NA)	(NA)	15.4	.15	100	87	16 958.4

(NA) Not available.

¹In annual survey of manufactures (ASM) years, data are estimates based on a representative sample of establishments canvassed annually and may differ from results of a complete canvass of all establishments. ASM publication shows percentage standard errors. Unless otherwise noted, for data prior to 1963, see 1963 Census of Manufactures, vol. III, table 1 of State chapter.

²Including central administrative offices and auxiliaries (for definition, see appendix B).

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

**Table 2b. Selected Operating Ratios for the State and Selected Standard Metropolitan Statistical Areas:
1977 and Earlier Years**

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials as percent of value of shipments (percent)	Cost of materials and payroll as percent of value of shipments (percent)	Value added per employee (dollars)	Payroll as percent of value added (percent)	Value added per production worker hour (dollars)
HAWAII									
1977 CENSUS.....	11 057	69	1 805	5.12	60	74	31 377	35	25.06
1976 ASM.....	11 008	71	1 801	5.00	62	77	28 938	38	22.74
1975 ASM.....	9 987	71	1 811	4.35	62	75	28 920	35	22.40
1974 ASM.....	9 351	70	1 823	4.05	52	63	40 613	23	31.73
1973 ASM.....	8 045	72	1 823	3.70	55	73	20 416	39	15.55
1972 CENSUS.....	7 706	71	1 870	3.44	57	77	16 532	47	12.39
1971 ASM.....	7 238	72	1 960	3.08	52	71	17 828	41	12.68
1970 ASM.....	6 802	73	1 950	2.91	53	72	16 476	41	11.58
1969 ASM.....	6 079	75	1 855	2.73	54	73	14 686	41	10.57
1968 ASM.....	5 776	75	1 851	2.59	52	70	15 254	38	10.99
1967 CENSUS.....	5 496	75	1 889	2.42	55	75	12 843	43	9.09
1966 ASM.....	4 992	75	1 834	2.28	55	73	12 532	40	9.06
1965 ASM.....	4 650	74	1 818	2.16	56	74	11 500	40	8.59
1964 ASM.....	4 548	73	1 809	2.10	58	76	10 752	42	8.12
1963 CENSUS.....	4 343	75	1 775	2.03	(NA)	(NA)	10 402	42	7.86

Note: For qualifications to data, see footnotes on table 2a.

(NA) Not available.

Table 3a. Summary Statistics for the State: 1977 and 1972

[For explanation of terms, see appendix B]

Item	Unit of measure	1977	1972
All establishments ¹ -----	number -----	949	770
With 1 to 19 employees -----	do -----	718	534
With 20 to 99 employees -----	do -----	182	190
With 100 employees or more -----	do -----	49	46
All employees, average for year ¹ -----	1,000 -----	25.0	24.8
Payroll for year, all employees ¹ -----	mil. dollars --	276.8	191.1
Production workers:			
Average for year -----	1,000 -----	17.4	17.7
March -----	do -----	15.8	15.8
May -----	do -----	17.1	18.2
August -----	do -----	20.7	22.0
November -----	do -----	15.8	14.8
Hours -----	millions -----	31.3	33.1
January to March -----	do -----	7.0	7.1
April to June -----	do -----	8.1	9.1
July to September -----	do -----	9.3	9.9
October to December -----	do -----	6.9	7.0
Wages -----	mil. dollars --	160.5	113.7
Cost of materials, etc. ² -----	do -----	1 176.1	548.3
Materials, parts, containers, etc., consumed -----	do -----	1 023.6	485.9
Resales -----	do -----	88.6	42.7
Fuels consumed -----	do -----	17.6	6.4
Purchased electric energy -----	do -----	15.2	6.0
Contract work -----	do -----	31.0	7.3
Value of shipments, including resales ² -----	do -----	1 974.0	955.6
Value of resales -----	do -----	114.0	51.1
Value added by manufacture -----	do -----	785.5	410.0
Manufacturers' inventories:			
Beginning of year -----	do -----	205.2	106.0
Finished products -----	do -----	81.2	43.6
Work in process -----	do -----	31.0	12.4
Materials, supplies, fuel, etc. -----	do -----	93.0	50.1
End of year -----	do -----	189.1	104.7
Finished products -----	do -----	78.7	43.9
Work in process -----	do -----	25.9	14.0
Materials, supplies, fuel, etc. -----	do -----	84.5	46.8
Capital expenditures for plant and equipment -----	do -----	48.0	49.7
New capital expenditures -----	do -----	44.4	46.7
New buildings and other structures -----	do -----	9.3	19.8
New machinery and equipment -----	do -----	35.1	26.9
Used capital expenditures -----	do -----	3.6	3.0

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies.

¹Including central administrative offices and auxiliaries (for definition, see appendix B).

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 3b. Supplemental State Statistics Based on Sample Estimates: 1977

(For explanation of terms, see appendix B. For description of annual survey of manufactures (ASM), see appendix F)

Item	Amount (million dollars)	Standard error of estimate (percent)	Item	Amount (million dollars)	Standard error of estimate (percent)
Gross value of depreciable assets:			Rental payments:		
Total:			Total.....	(20.7)	26
Beginning of year.....	699.0	2	Buildings and other structures.....	(8.3)	17
New capital expenditures.....	54.6	13	Machinery and equipment.....	(12.4)	42
Used capital expenditures.....	(4.8)	24			
Retirements.....	14.3	10	Depreciation charges during 1977:		
End of year.....	744.1	2	Total.....	39.5	3
Buildings and other structures:			Buildings and other structures.....	9.5	8
Beginning of year.....	235.7	6	Machinery and equipment.....	30.0	3
New capital expenditures.....	(9.8)	19			
Used capital expenditures.....	(.8)	21	Supplemental labor costs:		
Retirements.....	3.1	11	Total.....	49.6	3
End of year.....	243.2	6	Legal costs.....	23.6	4
Machinery and equipment:			Voluntary costs.....	26.0	4
Beginning of year.....	463.3	3			
New capital expenditures.....	(44.9)	15	Purchased services:		
Automobiles, trucks, etc., for highway use...	2.6	(NA)	Cost of purchased services for the repair of--		
Computers and peripheral data processing equip.	5.1	(NA)	Buildings and other structures.....	(1.8)	33
All other.....	33.1	(NA)	Response coverage ratio (percent).....	60	(X)
New machinery and equipment, n.s.k.....	4.1	(NA)	Machinery.....	(10.8)	57
Used capital expenditures.....	(4.0)	27	Response coverage ratio (percent).....	59	(X)
Retirements.....	11.2	11	Cost of purchased communication services.....	(2.0)	49
End of year.....	501.0	3	Response coverage ratio (percent).....	62	(X)

Note: Expenditures data, shown in tables 2a, 3a, and 4-8, are census universe figures and may differ from ASM sample estimates shown in this table. Table 3b figures represent best estimate of year-to-year change as measured by continuing ASM sample, but are subject to sampling errors. Hence, as estimates of level, they are not as reliable as universe figures.

Figures in parentheses have standard errors of 15 percent or more. (NA) Not available. n.s.k. Not specified by kind. (X) Not applicable.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area		1977										1972		
		All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)						
	E ¹													
Hawaii -----	-	949	231	25.0	276.8	17.4	31.3	160.5	785.5	1 176.1	1 974.0	44.4	24.8	410.0
STANDARD METROPOLITAN STATISTICAL AREAS														
Honolulu -----	-	759	191	19.6	215.2	13.2	23.1	117.2	585.8	984.4	1 581.5	24.5	19.6	321.2
COUNTIES														
Hawaii -----	-	99	16	2.4	30.4	1.9	3.6	22.0	83.1	73.7	157.7	12.3	2.4	49.5
Honolulu -----	-	759	191	19.6	215.2	13.2	23.1	117.2	585.8	984.4	1 581.5	24.5	19.6	321.2
Kauai -----	-	26	6	0.7	8.2	0.5	1.0	5.6	25.4	44.9	70.3	2.6	0.8	13.0
Maui -----	-	64	18	2.3	22.9	1.7	3.6	15.6	91.1	73.0	164.4	5.0	2.1	26.3
CITIES														
Hilo -----	E2	61	8	0.7	8.9	0.5	0.9	6.1	13.7	18.2	32.4	0.5	0.9	14.1
Honolulu -----	-	657	159	17.1	183.9	11.5	20.0	98.0	416.8	688.2	1 106.4	17.7	17.1	261.1
Kahului -----	-	17	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Wailuku -----	E1	23	5	0.5	4.8	0.3	0.6	3.0	8.8	8.5	17.3	0.6	(NA)	(NA)
Waipahu -----	-	13	5	0.7	7.0	0.4	0.8	4.3	7.9	25.1	33.2	(D)	(D)	(D)

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Including central administrative offices and auxiliaries (for definition, see appendix B).

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	All industries -----	-	949	231	25.0	276.8	17.4	31.3	160.5	785.5	1 176.1	1 974.0	44.4	24.8	410.0
20	Food and kindred products -----	-	220	63	10.9	112.9	8.1	14.9	73.2	350.5	450.6	800.7	25.9	11.8	205.4
201	Meat products -----	E1	17	7	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	5.9
2011	Meat packing plants -----	-	7	4	0.2	2.8	0.2	0.3	1.8	5.1	19.9	25.0	0.2	AA	(D)
202	Dairy products -----	-	11	5	0.5	7.5	0.2	0.4	3.0	20.3	41.1	61.4	1.2	BB	(D)
2026	Fluid milk -----	-	8	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
203	Preserved fruits and vegetables -----	-	38	6	3.6	28.0	3.2	5.4	22.3	91.7	96.5	188.1	1.5	4.9	70.5
2033	Canned fruits and vegetables -----	-	12	5	3.4	26.2	3.0	5.1	21.0	87.1	89.8	176.9	1.2	4.8	69.0
204	Grain mill products -----	-	8	4	0.2	2.3	0.1	0.2	1.2	7.3	32.7	39.9	0.5	0.2	5.6
205	Bakery products -----	E1	24	7	0.8	9.8	0.4	0.8	5.0	20.6	13.3	33.8	0.6	0.7	11.4
2051	Bread, cake, and related products -----	-	20	6	0.7	9.1	0.4	0.7	4.6	18.2	11.0	29.1	0.5	0.6	10.5
206	Sugar and confectionery products -----	-	34	20	3.8	44.4	2.8	5.8	31.1	159.8	165.4	325.2	18.3	FF	(D)
2061	Raw cane sugar -----	-	15	14	3.3	39.5	2.4	5.1	27.9	145.0	141.2	286.2	17.8	3.3	67.1
2065	Confectionery products -----	-	17	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
208	Beverages -----	-	17	6	0.5	7.1	0.2	0.4	2.4	21.1	30.6	51.4	2.1	CC	(D)
2086	Bottled and canned soft drinks -----	-	10	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
209	Miscellaneous foods and kindred products -----	E1	69	8	1.1	9.2	0.9	1.3	5.4	20.3	35.3	55.5	1.0	0.7	9.4
2091	Canned and cured seafoods -----	-	5	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2099	Food preparations, n.e.c. -----	E2	41	3	0.5	4.7	0.3	0.5	2.0	11.6	11.0	22.5	0.6	0.3	5.5

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B.

SIC code	Industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
23	Apparel and other textile products -----	E1	157	55	3.8	25.1	3.2	5.3	16.7	44.9	33.5	78.0	0.6	FF	(D)
232	Men's and boys' furnishings ---	E2	30	11	0.7	4.5	0.6	1.1	3.2	7.3	6.8	14.1	(D)	BB	(D)
2321	Men's and boys' shirts and nightwear -----	E2	19	7	0.5	3.1	0.4	0.8	2.1	5.3	5.3	10.6	(D)	BB	(D)
2329	Men's and boys' clothing, n.e.c. -----	E2	9	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
233	Women's and misses' outerwear -----	E1	89	33	2.5	16.3	2.1	3.4	10.5	27.1	20.0	47.0	(D)	EE	(D)
2335	Women's and misses' dresses -----	E1	68	27	2.0	13.2	1.6	2.7	8.1	21.9	16.6	38.2	0.2	1.7	15.8
2339	Women's and misses' outerwear, n.e.c. -----	E5	16	5	0.4	2.6	0.4	0.6	2.0	4.6	3.0	7.8	0.1	CC	(D)
236	Children's outerwear -----	-	8	5	0.2	1.3	0.2	0.3	1.0	1.9	1.1	3.0	(D)	(NA)	(NA)
239	Miscellaneous fabricated textile products -----	-	23	6	0.3	2.9	0.3	0.4	1.9	8.3	5.2	13.3	(D)	BB	(D)
2391	Curtains and draperies -----	-	7	2	0.2	1.2	0.1	0.2	0.8	2.2	2.3	4.5	(Z)	(NA)	(NA)
24	Lumber and wood products -----	E2	43	8	0.4	5.0	0.3	0.6	3.6	9.9	9.9	20.0	0.5	0.9	13.1
243	Millwork, plywood, and structural members -----	E2	19	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
25	Furniture and fixtures -	E2	30	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.7	7.9
251	Household furniture -----	E1	18	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.6	6.6
2511	Wood household furniture ---	-	7	2	0.2	1.5	0.1	0.2	0.9	4.7	1.0	5.7	0.1	(NA)	(NA)
2512	Upholstered household furniture -----	-	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
26	Paper and allied products -----	-	13	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
27	Printing and publishing -----	-	157	27	2.5	34.9	1.3	2.1	16.8	94.5	29.9	124.3	1.6	2.5	46.2
2711	Newspapers -----	-	25	12	1.5	21.0	0.6	0.9	8.2	67.2	15.5	82.7	0.5	EE	(D)
275	Commercial printing -----	E2	84	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.7	12.4
2751	Commercial printing, letterpress -----	E4	50	1	0.2	1.6	0.1	0.2	1.1	3.1	2.1	5.2	0.2	AA	(D)
2752	Commercial printing, lithographic -----	E2	29	6	0.4	5.8	0.3	0.5	3.8	10.7	6.6	17.3	0.5	0.5	9.4
28	Chemicals and allied products -----	E1	22	5	0.4	4.8	0.2	0.4	2.2	17.2	30.8	48.5	1.3	BB	(D)
287	Agricultural chemicals -----	-	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2875	Fertilizers, mixing only -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
29	Petroleum and coal products -----	-	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2911	Petroleum refining -----	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
30	Rubber and miscellaneous plastics products -----	-	12	4	0.2	1.5	0.2	0.3	1.1	2.7	3.8	6.5	0.3	AA	(D)
3079	Miscellaneous plastics products -----	-	8	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
32	Stone, clay, and glass products -----	-	53	16	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.1	31.5
3241	Cement, hydraulic -----	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
327	Concrete, gypsum, and plaster products -----	-	28	14	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3272	Concrete products, n.e.c. ---	E1	15	6	0.4	5.5	0.3	0.6	4.0	12.2	9.1	20.7	1.6	0.2	6.6
3273	Ready-mixed concrete -----	-	9	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
34	Fabricated metal products -----	-	36	9	0.8	10.8	0.7	1.3	8.2	22.8	52.9	77.0	3.4	CC	(D)
341	Metal cans and shipping containers -----	-	3	3	0.4	4.9	0.3	0.7	4.2	11.2	43.8	55.8	(D)	BB	(D)
3411	Metal cans -----	-	3	3	0.4	4.9	0.3	0.7	4.2	11.2	43.8	55.8	(D)	BB	(D)
344	Fabricated structural metal products -----	E3	19	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
35	Machinery, except electrical -----	E3	38	3	0.3	3.3	0.2	0.4	2.2	5.8	3.4	9.0	0.5	0.4	4.8
37	Transportation equipment -----	-	21	4	0.6	10.8	0.5	1.0	9.3	17.0	13.3	30.2	(D)	0.2	2.7
373	Ship and boat building and repairing -----	-	16	4	0.6	10.5	0.5	1.0	9.1	16.4	12.5	28.8	(D)	AA	(D)
3731	Ship building and repairing --	-	5	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employ-ees ² (1,000)	Value added by manu-facture (million dollars)
			Total (no.)	With 20 employ-ees or more (no.)	Num-ber ² (1,000)	Payroll (million dollars)	Num-ber (1,000)	Hours (mil.)	Wages (million dollars)						
39	Miscellaneous manufacturing industries -----	E1	83	11	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.8	6.9	
391	Jewelry, silverware, and plated ware -----	-	14	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)	
3911	Jewelry, precious metal -----	E1	11	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)	
399	Miscellaneous manufactures ---	E3	41	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.6	3.8	
3999	Manufacturing industries, n.e.c. -----	E2	26	5	0.6	2.5	0.5	0.7	1.3	4.6	2.7	7.1	(D)	CC	(D)
-	Administrative and auxiliary -----	-	24	9	1.4	22.9	-	-	-	-	-	-	CC	(D)	

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹ Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
² Statistics for some industry groups and industries are withheld to avoid disclosing figures for individual companies. However, for such industry groups and industries with 150 employees or more, number of establishments is shown and employment size range is indicated by one of the following symbols: AA—150 to 249 employees; BB—250 to 499 employees; CC—500 to 999 employees; EE—1,000 to 2,499 employees; FF—2,500 employees or more. Statistics for industry groups shown include data for all component industries, regardless of whether data are shown for individual industries in the group.
³ Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977											1972		
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Honolulu SMSA -----	-	759	191	19.6	215.2	13.2	23.1	117.2	585.8	984.4	1 581.5	24.5	19.6	321.2
20	Food and kindred products --	-	137	41	6.7	66.0	4.9	8.3	39.6	179.2	287.3	465.6	7.5	7.6	133.2
201	Meat products -----	-	12	6	0.3	3.1	0.2	0.4	1.9	6.9	20.7	27.4	0.4	(NA)	(NA)
205	Bakery products -----	-	13	5	0.6	8.6	0.3	0.6	4.2	17.9	11.4	29.1	(D)	(NA)	(NA)
206	Sugar and confectionery products -----	-	14	6	0.8	9.4	0.5	1.0	5.6	22.3	49.3	71.2	(D)	(NA)	(NA)
209	Miscellaneous foods and kindred products -----	-	47	8	1.0	8.1	0.8	1.2	4.7	17.7	32.1	49.7	0.8	0.6	8.3
2099	Food preparations, n.e.c. -----	E1	27	3	0.4	4.0	0.2	0.4	1.6	9.8	9.0	18.7	0.5	0.3	4.7
23	Apparel and other textile products -----	E1	148	52	3.6	24.0	3.0	5.0	15.8	43.1	30.0	72.8	0.6	3.1	28.1
239	Miscellaneous fabricated textile products -----	-	20	6	0.3	2.7	0.2	0.4	1.6	7.9	4.6	12.3	0.1	(NA)	(NA)
24	Lumber and wood products --	E2	30	7	0.4	4.4	0.3	0.5	3.1	8.6	8.7	17.5	0.2	0.9	12.6
2711	Newspapers -----	-	17	9	1.3	17.9	0.5	0.7	6.8	61.6	14.4	76.0	(D)	(NA)	(NA)
-	Administrative and auxiliary --	-	22	9	1.4	22.5	-	-	-	-	-	-	-	(NA)	(NA)

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (S) Withheld because estimate did not meet publication standards.
 (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹ Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
² Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

For explanation of terms, see appendix B.

SIC code	County and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expendi- tures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
20 206	Hawaii County -----	-	99	16	2.4	30.4	1.9	3.6	22.0	83.1	73.7	157.7	12.3	2.4	49.5
	Food and kindred products --	-	47	9	1.9	22.9	1.4	2.9	16.7	72.0	65.2	137.7	(D)	1.8	40.3
	Sugar and confectionery products -----	-	12	7	1.5	19.6	1.2	2.5	14.8	65.8	51.0	117.2	(D)	1.4	35.7
	Honolulu County (Coextensive with Honolulu, Hawaii, SMSA; see table 6.)														
20	Kauai County -----	-	26	6	0.7	8.2	0.5	1.0	5.6	25.4	44.9	70.3	2.6	0.8	13.0
	Food and kindred products --	-	13	4	0.6	7.2	0.5	0.9	5.2	23.2	42.4	65.6	(D)	(NA)	(NA)
	Maul County -----	-	64	18	2.3	22.9	1.7	3.6	15.6	91.1	73.0	164.4	5.0	2.1	26.3
20	Food and kindred products --	-	23	9	1.7	16.9	1.3	2.8	11.7	76.1	55.8	131.8	4.2	1.7	19.7

Note: "County" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

Explanation of terms, see appendix B]

SIC code	City and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
232	Hilo -----	-	61	8	0.7	8.9	0.5	0.9	6.1	13.7	18.2	32.4	0.5	0.9	14.1
	Honolulu -----	-	657	159	17.1	183.9	11.5	20.0	98.0	416.8	688.2	1 106.4	17.7	17.1	261.1
233	Men's and boys' furnishings -----	E3	23	8	0.6	3.4	0.5	0.9	2.4	5.8	4.0	9.7	0.1	(NA)	(NA)
	Women's and misses' outerwear -----	E1	79	30	2.3	15.4	1.9	3.2	9.8	25.6	18.7	44.2	0.3	(NA)	(NA)
--	Administrative and auxiliary --	-	20	9	1.4	22.3	-	-	-	-	-	-	-	(NA)	(NA)
	Wailuku -----	-	23	6	0.5	4.8	0.3	0.6	3.0	8.8	8.5	17.3	0.6	(NA)	(NA)
	Waipahu -----	-	13	5	0.7	7.0	0.4	0.8	4.3	7.9	25.1	33.2	(D)	(D)	(D)

Note: "City" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977

(Major groups descriptions are: 20---food and kindred products; 21---tobacco manufactures; 22---textile mill products; 23---apparel and other textile products; 24---lumber and wood products; 25---furniture and fixtures; 26---paper and allied products; 27---printing and publishing; 28---chemicals and allied products; 29---petroleum and coal products; 30---rubber and miscellaneous plastics products; 31---leather and leather products; 32---stone, clay, and glass products; 33---primary metal industries; 34---fabricated metal products; 35---machinery, except electrical; 36---electric and electronic equipment; 37---transportation equipment; 38---instruments and related products; 39---miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CA0 ²
HAWAII	949	220	-	3	157	43	30	13	157	22	3	12	11	53	3	36	38	13	21	7	83	24
1 TO 4 EMPLOYEES	416	77	-	1	50	19	10	5	85	12	-	4	6	26	2	12	22	10	14	5	48	10
5 TO 9 EMPLOYEES	155	38	-	2	23	9	6	1	30	3	-	1	6	5	-	8	10	1	-	-	10	2
10 TO 19 EMPLOYEES	147	42	-	-	29	7	8	2	15	4	1	3	-	6	-	7	3	1	3	1	14	3
20 TO 49 EMPLOYEES	124	26	-	-	33	7	4	4	16	2	-	3	-	6	-	4	3	1	2	1	8	2
50 TO 99 EMPLOYEES	58	11	-	-	17	1	1	1	9	-	1	1	1	9	-	3	-	-	-	-	3	3
100 TO 249 EMPLOYEES	34	18	-	-	3	-	-	-	1	1	-	-	-	1	1	1	-	-	1	-	2	3
250 TO 499 EMPLOYEES	8	3	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
500 TO 999 EMPLOYEES	6	4	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-
1000 TO 2499 EMPLOYEES	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HAWAII COUNTY	99	47	-	-	4	8	3	-	11	-	1	1	-	3	-	5	7	-	5	-	3	1
1 TO 19 EMPLOYEES	83	38	-	-	3	8	3	-	10	-	1	1	-	1	-	3	7	-	5	-	2	1
20 TO 99 EMPLOYEES	8	2	-	-	1	-	-	-	1	-	-	-	-	2	-	1	-	-	-	-	1	-
100 TO 249 EMPLOYEES	7	6	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HONOLULU COUNTY	759	137	-	3	148	30	26	13	135	20	2	11	11	40	3	29	26	13	13	7	70	22
1 TO 19 EMPLOYEES	568	96	-	3	96	23	20	8	112	15	-	7	10	28	2	23	23	12	9	6	62	13
20 TO 99 EMPLOYEES	157	29	-	-	47	7	5	5	21	4	1	4	1	11	-	5	3	1	2	1	5	5
100 TO 249 EMPLOYEES	22	7	-	-	3	-	1	-	1	1	-	-	-	1	1	-	-	-	1	-	2	3
250 EMPLOYEES AND OVER	12	5	-	-	2	-	-	-	1	-	-	-	-	-	-	1	-	-	1	-	1	1
KAUAI COUNTY	26	13	-	-	1	-	-	-	3	1	-	-	-	2	-	-	3	-	2	-	-	1
1 TO 19 EMPLOYEES	20	9	-	-	-	-	-	-	2	1	-	-	-	2	-	-	3	-	2	-	-	1
20 TO 99 EMPLOYEES	2	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	3	-	-	-	-	-
100 TO 249 EMPLOYEES	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MAUI COUNTY	64	23	-	-	4	5	1	-	8	1	-	-	-	8	-	2	2	-	1	-	9	-
1 TO 19 EMPLOYEES	46	14	-	-	3	4	1	-	6	1	-	-	-	6	-	1	2	-	1	-	7	-
20 TO 99 EMPLOYEES	15	6	-	-	1	1	-	-	2	-	-	-	-	2	-	1	2	-	-	-	2	-
100 TO 249 EMPLOYEES	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
250 EMPLOYEES AND OVER	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: Data on number of establishments by employment size class by 4-digit SIC industry for States, counties, and selected cities are presented in Location of Manufacturing Plants data series. This series is available only on computer tape (see Introduction).
 - Represents zero.
¹Only those counties and size classes that include data for manufacturing establishments are shown.



Idaho

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IDAHO



SUMMARY OF FINDINGS

In 1977, 51.6 thousand persons were employed in Idaho's manufacturing establishments. This figure represented an increase of 20 percent from the 1972 figure of 43.0 thousand workers.

The total value added by manufacture for the State amounted to \$1,430 million in 1977, an increase of approximately 73 percent from the 1972 figure of \$821 million. All dollar figures in this report are in current dollars and are, therefore, not adjusted for changes in price levels.

In the State, the most important industry groups ranked by employment were lumber and wood products, food and kindred products, machinery, except electrical and chemicals, and allied products. They accounted for approximately 72 percent of the State's 1977 employment. The order has shifted from 1972 when industry groups lumber and wood products, food and kindred products, chemicals and allied products, and printing and publishing, accounted for approximately 77 percent of the State's employment.

The most important counties in the State ranked by employment were Ada, Canyon, Bannock, and Nez Perce. They accounted for approximately 45 percent of the State's 1977 manufacturing employment. The order has shifted from 1972 when Canyon, Ada, Nez Perce, and Kootenai accounted for approximately 43 percent of the State's employment.

The methods of data collection and use of administrative records data are discussed in detail in the Introduction. Small single-unit companies with up to 20 employees (the cutoff varied by industry) were excluded from the mail portion of the census. For these establishments (and a small number of larger establishments whose reports were not received in time to be tabulated), statistics on payrolls and receipts were obtained from administrative records of other government agencies. Other statistics were developed from industry averages. For this State, these establishments accounted for 4 percent of the total value of shipments.

Table 1. Historical Employment Statistics for Operating Manufacturing Establishments and Central Administrative Offices: 1977 and Earlier Years

(For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

State, standard metropolitan statistical area, and year	All establishments		Operating manufacturing establishments		Central administrative offices and auxiliaries ¹	
	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)
Idaho:						
1977.....	51.6	625.2	49.7	582.7	1.9	42.5
1972.....	43.0	339.5	41.4	318.5	1.6	21.0
1967.....	37.1	219.9	36.0	208.8	1.1	11.1
1963.....	30.5	162.6	30.1	159.2	.4	3.4
STANDARD METROPOLITAN STATISTICAL AREAS						
Boise City:						
1977.....	6.8	94.1	5.4	61.3	1.4	32.8
1972.....	5.2	47.7	3.9	31.3	1.3	16.4
1967.....	3.8	24.7	3.3	19.3	.5	5.4
1963.....	2.8	14.4	(D)	(D)	(D)	(D)

(D) Withheld to avoid disclosing operations of individual companies.

¹Defined in appendix B. Data for these establishments are included at the total manufacturing level in each table in this report. Data for these establishments are shown separately in tables 5 and 9 and included in State, SMSA, county, or city totals in other tables.

Table 2a. Historical Statistics for the State and Selected Standard Metropolitan Statistical Areas: 1977 and Earlier Years

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Establishments ²		All employees ²		Production workers							Comparative indexes and U.S. employment			
	Total	With 20 employees or more	Number	Payroll	Number	Hours	Wages	Value added by manu- facture	Cost of materials ³	Value of shipments ³	New capital expenditures	Percent or U.S. manufac- turing employ- ment (per- cent)	Index of State em- ploy- ment change (1977- 100)	Index of manu- facturing employ- ment change (1977- 100)	U.S. manu- facturing employ- ment (1,000)
IDAHO															
1977 Census...	1,495	379	51.6	625.2	39.8	76.5	431.9	1,430.0	2,233.6	3,657.7	158.7	.26	100	100	19,596.9
1976 ASM.....	(NA)	(NA)	52.5	613.6	38.9	75.1	396.3	1,525.0	1,972.3	3,448.1	159.9	.28	102	96	18,753.0
1975 ASM.....	(NA)	(NA)	47.3	498.2	36.4	68.2	337.6	1,345.4	1,792.8	3,048.5	143.0	.26	92	93	18,302.2
1974 ASM.....	(NA)	(NA)	47.9	447.5	36.8	70.1	300.2	1,223.2	1,688.6	2,903.2	132.6	.24	93	101	19,844.8
1973 ASM.....	(NA)	(NA)	45.1	384.7	34.9	66.3	268.0	976.0	1,378.2	2,345.2	75.2	.23	87	102	19,897.9
1972 Census...	1,190	350	43.0	339.9	34.3	66.0	244.6	820.8	1,257.4	2,069.0	74.9	.23	83	97	19,028.7
1971 ASM.....	(NA)	(NA)	43.7	316.4	33.3	64.1	208.8	669.0	1,001.6	1,661.6	54.2	.24	85	94	18,363.1
1970 ASM.....	(NA)	(NA)	45.3	299.4	34.7	65.6	198.7	649.7	930.9	1,573.6	53.2	.24	88	98	19,217.2
1969 ASM.....	(NA)	(NA)	39.2	263.8	31.4	61.3	184.2	577.2	865.5	1,431.9	51.9	.20	76	102	20,035.5
1968 ASM.....	(NA)	(NA)	37.3	241.1	29.5	58.8	170.0	552.3	777.4	1,337.1	42.6	.19	72	100	19,527.6
1967 Census...	1,131	303	37.1	219.9	29.0	56.9	157.0	503.4	713.4	1,224.5	57.7	.19	72	99	19,323.2
1966 ASM.....	(NA)	(NA)	35.3	204.5	27.8	54.9	144.1	494.2	684.8	1,158.5	57.6	.19	68	97	19,024.5
1965 ASM.....	(NA)	(NA)	33.1	186.1	26.3	51.3	131.8	443.8	630.0	1,062.5	81.3	.18	64	92	18,010.2
1964 ASM.....	(NA)	(NA)	32.9	177.9	26.2	51.5	129.1	406.4	566.4	973.4	45.4	.19	64	88	17,268.5
1963 Census...	1,103	254	30.5	162.8	24.1	48.5	116.6	366.4	(NA)	(NA)	28.4	.18	59	87	16,958.4

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. ¹Revised. (S) Withheld because estimate did not meet publication standards.

¹In annual survey of manufactures (ASM) years, data are estimates based on a representative sample of establishments canvassed annually and may differ from results of a complete canvass of all establishments. ASM publication shows percentage standard errors. Unless otherwise noted, for data prior to 1963, see 1963 Census of Manufactures, vol. III, table 1 of State chapter.

²Including central administrative offices and auxiliaries (for definition, see appendix B).

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 2b. Selected Operating Ratios for the State and Selected Standard Metropolitan Statistical Areas: 1977 and Earlier Years

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials per dollar of industry shipments (percent)	Cost of materials and payroll per dollar of industry shipments (percent)	Value added per employee (dollars)	Payroll as percent of value added (percent)	Value added per production worker hour (dollars)
IDAHO									
1977 Census.....	12,122	77	1,922	5.65	61	78	27,688	44	18.67
1976 ASM.....	11,688	74	1,931	5.28	57	75	29,048	40	20.31
1975 ASM.....	10,533	77	1,874	4.95	59	75	28,444	37	19.73
1974 ASM.....	9,342	77	1,905	4.28	58	74	25,537	37	17.45
1973 ASM.....	8,530	77	1,900	4.04	59	75	21,641	39	14.72
1972 Census.....	7,905	80	1,924	3.71	61	77	24,148	41	12.44
1971 ASM.....	7,240	76	1,925	3.26	60	79	15,309	47	10.44
1970 ASM.....	6,609	77	1,890	3.03	59	78	14,342	46	9.90
1969 ASM.....	6,730	80	1,952	3.00	60	79	14,724	46	9.42
1968 ASM.....	6,464	79	1,993	2.89	58	76	14,807	44	9.39
1967 Census.....	5,927	78	1,962	2.76	58	76	13,569	44	8.85
1966 ASM.....	5,793	79	1,975	2.62	59	77	14,000	41	9.00
1965 ASM.....	5,622	79	1,951	2.57	59	77	13,408	42	8.65
1964 ASM.....	5,407	80	1,966	2.51	58	76	12,353	44	7.89
1963 Census.....	5,338	79	2,012	2.40	(NA)	(NA)	12,013	44	7.55

Note: For qualifications to data, see footnotes on table 2a.
(NA) Not available.

Table 3a. Summary Statistics for the State: 1977 and 1972

[For explanation of terms, see appendix B]

Item	Unit of measure	1977	1972
All establishments ¹ -----	number -----	1 495	1 190
With 1 to 19 employees -----	do -----	1 116	840
With 20 to 99 employees -----	do -----	255	247
With 100 employees or more -----	do -----	124	103
All employees, average for year ¹ -----	1,000 -----	51.6	43.0
Payroll for year, all employees ¹ -----	mil. dollars --	625.2	339.9
Production workers:			
Average for year -----	1,000 -----	39.8	34.3
March -----	do -----	38.6	33.3
May -----	do -----	39.5	33.4
August -----	do -----	40.1	34.0
November -----	do -----	40.8	36.7
Hours -----	millions -----	76.5	66.0
January to March -----	do -----	18.5	15.9
April to June -----	do -----	19.0	16.1
July to September -----	do -----	19.3	16.7
October to December -----	do -----	19.7	17.3
Wages -----	mil. dollars --	431.9	244.6
Cost of materials, etc. ² -----	do -----	2 233.6	1 257.4
Materials, parts, containers, etc., consumed -----	do -----	1 941.7	1 054.4
Resales -----	do -----	91.2	44.4
Fuels consumed -----	do -----	69.5	23.9
Purchased electric energy -----	do -----	46.9	99.5
Contract work -----	do -----	84.3	35.2
Value of shipments, including resales ² -----	do -----	3 657.7	2 069.0
Value of resales -----	do -----	107.9	48.8
Value added by manufacture -----	do -----	1 430.0	820.8
Manufacturers' inventories:			
Beginning of year -----	do -----	601.7	225.4
Finished products -----	do -----	233.9	104.1
Work in process -----	do -----	130.4	42.1
Materials, supplies, fuel, etc. -----	do -----	237.4	79.2
End of year -----	do -----	590.7	245.3
Finished products -----	do -----	249.8	109.2
Work in process -----	do -----	122.2	49.2
Materials, supplies, fuel, etc. -----	do -----	218.7	87.0
Capital expenditures for plant and equipment -----	do -----	166.1	88.0
New capital expenditures -----	do -----	158.7	74.9
New buildings and other structures -----	do -----	43.3	21.2
New machinery and equipment -----	do -----	115.3	53.7
Used capital expenditures -----	do -----	7.5	13.1

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies.

¹Including central administrative offices and auxiliaries (for definition, see appendix B).

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 3b. Supplemental State Statistics Based on Sample Estimates: 1977

(For explanation of terms, see appendix B. For description of annual survey of manufactures (ASM), see appendix F)

Item	Amount (million dollars)	Standard error of estimate (percent)	Item	Amount (million dollars)	Standard error of estimate (percent)
Gross value of depreciable assets:			Rental payments:		
Total:			Total.....	21.6	8
Beginning of year.....	1,290.8	1	Buildings and other structures.....	5.8	6
New capital expenditures.....	181.2	7	Machinery and equipment.....	15.7	11
Used capital expenditures.....	(8.9)	21			
Retirements.....	32.9	9	Depreciation charges during 1977:		
End of year.....	1,448.0	1	Total.....	91.8	3
Buildings and other structures:			Buildings and other structures.....	12.4	4
Beginning of year.....	277.4	3	Machinery and equipment.....	79.3	4
New capital expenditures.....	48.0	9			
Used capital expenditures.....	(1.2)	39	Supplemental labor costs:		
Retirements.....	4.1	7	Total.....	117.1	6
End of year.....	322.5	3	Legal costs.....	57.8	5
Machinery and equipment:			Voluntary costs.....	59.3	7
Beginning of year.....	1,013.4	2			
New capital expenditures.....	133.1	8	Purchased services:		
Automobiles, trucks, etc., for highway use...	(9.3)	(NA)	Cost of purchased services for the repair of--		
Computers and peripheral data processing equip.	(1.3)	(NA)	Buildings and other structures.....	(3.1)	35
All other.....	(100.6)	(NA)	Response coverage ratio (percent).....	57	(X)
New machinery and equipment, n.s.k.....	22.0	(NA)	Machinery.....	(26.5)	23
Used capital expenditures.....	(7.8)	23	Response coverage ratio (percent).....	59	(X)
Retirements.....	28.8	10	Cost of purchased communication services.....	(5.3)	25
End of year.....	1,125.5	2	Response coverage ratio (percent).....	62	(X)

Note: Expenditures data, shown in tables 2a, 3a, and 4-8, are census universe figures and may differ from ASM sample estimates shown in this table. Table 3b figures represent best estimate of year-to-year change as measured by continuing ASM sample, but are subject to sampling errors. Hence, as estimates of level, they are not as reliable as universe figures.

Figures in parentheses have standard errors of 15 percent or more. (NA) Not available. n.s.k. Not specified by kind. (X) Not applicable.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area		1977										1972		
		All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)						
Idaho -----	-	1 495	379	51.6	625.2	39.8	76.5	431.9	1 430.0	2 233.6	3 657.7	158.7	43.0	820.8
STANDARD METROPOLITAN STATISTICAL AREAS														
Boise City -----	-	280	76	6.8	94.1	4.1	7.7	39.5	139.0	226.3	365.2	18.4	5.2	71.2
COUNTIES														
Ada -----	E5	280	76	6.8	94.1	4.1	7.7	39.5	139.0	226.3	365.2	18.4	5.2	71.2
Adams -----	-	15	4	0.4	7.1	0.4	0.8	6.2	9.0	9.8	18.9	0.9	0.3	6.1
Bannock -----	-	62	16	4.3	56.9	2.7	5.0	34.3	168.8	197.7	384.3	26.4	1.7	46.6
Bear Lake -----	E1	6	1	0.1	0.4	0.1	0.1	0.4	0.6	0.8	1.4	(Z)	(Z)	(NA)
Benewah -----	-	58	8	1.0	16.3	0.9	1.8	14.0	38.1	46.2	84.4	2.5	0.8	17.9
Bingham -----	-	37	11	2.0	21.1	1.5	2.9	14.5	48.8	69.3	114.8	4.2	1.6	32.6
Blaine -----	E1	20	1	0.4	3.2	0.2	0.3	1.6	10.6	11.9	21.5	0.3	0.1	0.6
Boise -----	E1	8	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Bonner -----	-	94	14	1.5	17.8	1.3	2.8	14.5	39.2	48.1	87.2	2.7	1.2	18.7
Bonneville -----	E1	69	19	2.2	23.7	1.6	2.9	15.7	42.7	73.6	111.0	4.3	2.3	30.1
Boundary -----	E1	35	5	0.6	7.2	0.5	1.0	6.4	18.0	20.4	36.3	1.4	0.5	10.5
Butte -----	E0	1	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Camas -----	-	4	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Canyon -----	-	101	37	6.5	64.0	5.2	9.8	45.7	118.6	379.7	494.3	12.6	7.1	114.8
Caribou -----	-	8	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Cassia -----	-	26	9	1.7	17.0	1.5	2.9	13.5	30.1	63.9	92.9	1.1	1.6	34.3
Clearwater -----	-	64	16	1.4	21.3	1.3	2.5	18.9	51.7	61.0	116.4	2.8	1.4	22.5
Custer -----	E4	4	-	(Z)	(Z)	(Z)	(Z)	(Z)	0.1	0.1	0.2	(D)	(Z)	(NA)
Elmore -----	-	9	3	0.3	2.9	0.3	0.5	2.3	4.2	8.1	12.0	0.1	0.1	0.5
Franklin -----	-	8	1	0.2	1.3	0.2	0.3	1.0	2.2	4.2	6.4	(D)	(D)	(D)
Fremont -----	E2	21	2	0.2	2.7	0.2	0.3	2.1	6.7	8.0	14.3	1.2	0.1	4.3
Gem -----	-	19	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Gooding -----	-	12	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Idaho -----	-	44	8	0.9	11.9	0.8	1.7	9.7	30.4	20.1	51.4	3.2	0.6	12.1
Jefferson -----	-	17	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	10.6
Jerome -----	-	12	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Kootenai -----	-	117	30	3.0	37.1	2.3	4.5	28.3	80.2	87.0	164.4	8.1	2.4	43.9
Latah -----	-	51	10	0.8	11.2	0.8	1.5	9.4	21.1	32.9	52.7	3.0	0.9	16.9
Lemhi -----	E1	16	4	0.3	4.1	0.3	0.6	3.5	7.5	5.4	13.1	0.7	0.2	5.2
Lewis -----	-	22	5	0.4	5.7	0.4	0.7	4.5	14.1	15.1	28.8	0.6	0.2	4.9
Lincoln -----	-	3	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Madison -----	E1	20	6	0.5	4.3	0.3	0.6	2.8	12.0	15.5	26.0	1.2	0.3	2.3
Minidoka -----	-	15	8	2.2	21.7	1.9	3.9	16.2	47.9	96.4	136.3	1.7	0.6	15.5
Nez Perce -----	-	50	16	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.6	82.3
Oneida -----	-	3	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Owyhee -----	E0	3	-	(Z)	0.1	(Z)	(Z)	0.1	0.2	0.2	0.4	(D)	(D)	(D)
Payette -----	-	22	12	0.9	9.6	0.7	1.2	5.8	18.6	46.2	64.8	1.8	0.5	5.4
Power -----	-	7	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.3	22.2
Shoshone -----	-	31	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Teton -----	E0	4	-	(Z)	(Z)	(Z)	(Z)	(Z)	0.1	0.1	0.1	(Z)	(D)	(D)
Twin Falls -----	-	72	20	2.9	26.3	2.4	4.3	19.6	65.2	124.5	188.8	5.6	1.9	36.2
Valley -----	E1	14	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Washington -----	E1	11	3	0.3	3.1	0.2	0.5	2.0	6.1	11.1	17.2	0.3	(D)	(D)
CITIES														
Blackfoot -----	-	22	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.7	14.0
Boise City -----	-	188	48	4.9	72.5	2.6	4.9	25.7	95.6	156.7	252.1	(D)	3.3	39.2
Buhl -----	-	11	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	9.1
Caldwell -----	-	47	14	2.9	29.1	2.2	4.4	20.1	46.6	186.9	232.6	10.4	3.7	56.9
Coeur d'Alene -----	-	55	13	1.3	17.0	0.9	1.8	12.3	35.7	47.1	81.5	2.0	0.8	14.2
Grangeville -----	-	18	3	0.5	6.5	0.4	1.0	5.5	14.9	14.2	29.9	1.0	(NA)	(NA)
Idaho Falls -----	E1	67	19	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.3	29.6
Kellogg -----	-	9	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Lewiston -----	-	42	14	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Nampa -----	-	28	13	1.6	15.3	1.3	2.4	10.8	28.4	43.8	72.4	0.8	(D)	(D)
Payette -----	-	10	7	0.6	5.9	0.4	0.7	3.7	11.1	34.1	45.1	1.5	(NA)	(NA)
Pocatello -----	-	58	14	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Post Falls -----	-	20	8	1.0	11.0	0.8	1.6	8.5	24.3	18.6	43.0	0.7	(NA)	(NA)
St. Maries -----	-	38	6	0.8	13.0	0.7	1.5	11.3	31.3	39.7	71.2	2.1	(NA)	(NA)
Sandpoint -----	E1	44	8	0.8	8.7	0.6	1.3	7.1	23.5	25.0	48.4	1.0	(NA)	(NA)
Shelley -----	-	9	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Twin Falls -----	-	48	13	1.8	16.3	1.4	2.6	11.5	28.1	71.1	99.7	4.3	1.0	15.2

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E10—100 percent.

²Including central administrative offices and auxiliaries (for definition, see appendix B).

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B.															
SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	All industries -----	-	1 495	379	51.6	625.2	39.8	76.5	431.9	1 430.0	2 233.6	3 657.7	158.7	43.0	820.8
20	Food and kindred products -----	-	184	85	15.5	153.1	12.5	23.8	112.8	339.0	903.8	1 219.5	27.9	13.9	257.3
201	Meat products -----	-	40	12	1.2	17.4	0.9	1.9	12.8	36.1	253.1	287.0	5.7	0.9	20.4
2011	Meat packing plants -----	-	35	11	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
202	Dairy products -----	-	34	13	0.9	9.0	0.6	1.2	6.0	35.4	157.1	191.9	2.7	1.5	24.4
2022	Cheese, natural and processed -----	-	13	5	0.3	3.6	0.3	0.5	2.9	18.1	71.4	89.1	0.8	0.7	7.8
2026	Fluid milk -----	-	13	5	0.4	4.0	0.2	0.4	2.1	11.4	66.7	77.9	1.8	0.5	7.3
203	Preserved fruits and vegetables -----	-	35	29	10.5	95.6	9.0	17.0	75.1	180.3	345.0	520.2	15.5	FF	(D)
2032	Canned specialties -----	-	3	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2033	Canned fruits and vegetables -----	-	6	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2034	Dehydrated fruits, vegetables, and soups -----	-	14	13	3.1	27.6	2.5	4.2	20.1	68.5	79.9	143.1	2.4	FF	(D)
2037	Frozen fruits and vegetables -----	-	12	11	6.6	61.8	5.8	11.6	50.0	90.7	238.3	329.2	12.0	FF	(D)
204	Grain mill products -----	-	19	4	0.4	4.7	0.2	0.5	2.5	11.1	40.3	51.4	0.7	0.5	8.7
2048	Prepared feeds, n.e.c. -----	-	14	3	0.3	3.1	0.1	0.3	1.5	8.2	30.1	38.2	(D)	0.3	6.1
205	Bakery products -----	-	10	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2051	Bread, cake, and related products -----	-	10	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
206	Sugar and confectionery products -----	-	7	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2063	Beet sugar -----	-	4	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
208	Beverages -----	E1	16	14	0.5	5.5	0.1	0.2	1.3	14.5	13.5	27.9	1.4	0.4	6.4
2086	Bottled and canned soft drinks -----	E1	15	13	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	6.4
209	Miscellaneous foods and kindred products -----	E1	20	4	0.3	2.2	0.2	0.3	1.2	5.2	10.0	16.8	0.5	(NA)	(NA)
2092	Fresh or frozen packaged fish -----	-	6	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
22	Textile mill products --	-	5	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
225	Knitting mills -----	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2251	Women's hosiery, except socks -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
23	Apparel and other textile products -----	-	17	2	0.4	3.0	0.3	0.6	2.2	4.6	5.8	10.4	(D)	0.3	4.9
239	Miscellaneous fabricated textile products -----	-	13	2	0.4	2.9	0.3	0.6	2.1	4.3	5.6	9.9	(D)	BB	(D)
2391	Curtains and draperies -----	-	7	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
24	Lumber and wood products -----	-	585	149	16.4	214.2	14.6	28.8	180.3	470.9	619.8	1 084.0	43.0	14.6	268.9
2411	Logging camps and logging contractors -----	E1	325	39	3.2	47.3	3.0	5.6	40.8	98.6	110.2	211.9	11.6	2.9	39.4
242	Sawmills and planing mills -----	-	148	68	7.9	106.1	7.1	14.2	91.7	225.7	311.7	528.8	23.7	6.9	139.5
2421	Sawmills and planing mills, general -----	-	114	61	7.5	103.2	6.8	13.6	89.3	219.8	306.8	518.1	23.0	6.7	137.8
2429	Special product sawmills, n.e.c. -----	E3	33	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
243	Millwork, plywood, and structural members -----	-	58	20	2.5	31.4	2.1	4.3	26.3	82.0	90.3	170.5	4.5	2.4	52.1
2431	Millwork -----	E3	25	6	0.9	7.4	0.7	1.3	5.8	14.4	19.8	33.3	1.9	EE	(D)
2434	Wood kitchen cabinets -----	E2	16	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2436	Softwood veneer and plywood -----	-	6	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2439	Structural wood members, n.e.c. -----	-	10	6	0.2	2.6	0.2	0.3	1.8	9.2	9.4	18.2	(D)	AA	(D)
245	Wood buildings and mobile homes -----	-	22	18	2.4	26.0	2.1	4.2	19.1	55.1	98.7	154.1	2.7	2.0	32.5
2451	Mobile homes -----	-	17	15	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2452	Prefabricated wood buildings -----	-	5	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
249	Miscellaneous wood products -----	-	27	4	0.3	3.3	0.2	0.6	2.1	9.3	8.4	17.9	(D)	BB	(D)
2491	Wood preserving -----	-	9	2	0.2	1.7	0.1	0.2	0.9	4.2	4.8	9.2	0.3	(NA)	(NA)
25	Furniture and fixtures -	E3	20	5	0.2	2.0	0.2	0.3	1.2	3.1	3.7	6.9	(D)	(NA)	(NA)
251	Household furniture -----	E2	13	3	0.2	1.2	0.1	0.2	0.8	1.9	2.6	4.5	(D)	(NA)	(NA)
26	Paper and allied products -----	-	13	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2631	Paperboard mills -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
264	Miscellaneous converted paper products -----	-	8	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
265	Paperboard containers and boxes -----	-	3	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2653	Corrugated and solid fiber boxes -----	-	3	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
27	Printing and publishing -----	E1	175	21	2.2	22.0	1.2	2.0	11.9	51.5	20.2	71.7	4.3	1.6	23.2
2711	Newspapers -----	E1	67	10	1.4	12.9	0.6	0.9	5.9	30.9	9.3	40.2	3.0	1.2	17.8
275	Commercial printing -----	E3	82	7	0.5	5.0	0.4	0.6	3.5	9.4	6.0	15.3	1.1	BB	(D)
2752	Commercial printing, lithographic -----	E3	40	6	0.3	3.7	0.3	0.5	2.5	6.7	4.2	10.9	0.8	AA	(D)
2761	Manifold business forms -----	-	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
28	Chemicals and allied products -----	-	24	6	2.1	34.4	1.2	2.3	17.7	205.3	184.6	386.2	24.0	2.8	106.2
281	Industrial inorganic chemicals --	-	9	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2819	Industrial inorganic chemicals, n.e.c. -----	-	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
287	Agricultural chemicals -----	-	6	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2874	Phosphatic fertilizers -----	-	3	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
30	Rubber and miscellaneous plastics products -----	-	19	6	1.0	7.7	0.9	1.8	6.4	55.5	16.9	71.7	0.9	0.3	10.7
3079	Miscellaneous plastics products -----	-	16	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
32	Stone, clay, and glass products -----	E1	83	16	1.5	18.3	1.1	2.2	13.2	42.0	41.7	82.9	(D)	1.0	20.8
327	Concrete, gypsum, and plaster products -----	E1	63	14	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.9	15.9
3272	Concrete products, n.e.c. ---	-	14	3	0.4	4.8	0.3	0.7	3.8	8.2	8.8	16.8	(D)	0.3	4.0
3273	Ready-mixed concrete -----	E1	45	10	0.9	10.6	0.6	1.2	7.4	24.4	26.9	51.3	3.9	0.6	11.0
33	Primary metal industries -----	-	10	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
333	Primary nonferrous metals ----	-	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3332	Primary lead -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3333	Primary zinc -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
34	Fabricated metal products -----	-	73	20	1.5	16.6	1.2	2.4	11.7	42.6	46.0	88.0	1.4	1.2	22.7
344	Fabricated structural metal products -----	-	32	12	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	8.4
3442	Metal doors, sash, and trim --	-	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
348	Ordnance and accessories, n.e.c. -----	-	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3482	Small arms ammunition -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
35	Machinery, except electrical -----	-	129	21	3.3	44.0	2.4	4.5	29.0	50.6	117.5	190.2	19.3	0.8	11.0
352	Farm and garden machinery ---	E2	30	8	0.7	7.2	0.5	0.9	4.7	9.6	16.0	24.8	(D)	0.4	4.9
3523	Farm machinery and equipment -----	E2	30	8	0.7	7.2	0.5	0.9	4.7	9.6	16.0	24.8	(D)	0.4	4.9
353	Construction and related machinery -----	-	7	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3531	Construction machinery -----	-	3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
355	Special industry machinery ----	E1	11	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
357	Office and computing machines -----	-	4	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3573	Electronic computing equipment -----	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
359	Miscellaneous machinery, except electrical -----	E2	66	5	0.3	4.2	0.3	0.5	3.1	7.5	5.6	13.3	0.6	AA	(D)
3599	Machinery, except electrical, n.e.c. -----	E2	66	5	0.3	4.2	0.3	0.5	3.1	7.5	5.6	13.3	0.6	AA	(D)
36	Electric and electronic equipment -	-	8	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
362	Electrical industrial apparatus --	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3622	Industrial controls -----	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
367	Electronic components and accessories -----	-	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3674	Semiconductors and related devices -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
37	Transportation equipment -----	E1	49	12	1.3	13.4	1.1	1.9	8.5	22.9	44.5	67.6	(D)	EE	(D)
371	Motor vehicles and equipment -	E1	20	3	0.2	2.9	0.2	0.4	2.0	6.3	14.9	21.6	(D)	(NA)	(NA)
3716	Motor homes produced on purchased chassis -----	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3743	Railroad equipment -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
379	Miscellaneous transportation equipment -----	-	17	8	0.8	7.6	0.7	1.2	4.9	12.7	25.5	37.8	(D)	EE	(D)
3792	Travel trailers and campers --	-	14	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)

See footnotes at end of table.

**Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.**

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B.

SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
39	Miscellaneous manufacturing industries -----	-	47	5	0.6	5.0	0.4	0.6	2.5	13.8	10.7	23.7	0.4	BB	(D)
394	Toys and sporting goods -----	-	16	3	0.4	3.2	0.3	0.4	1.6	9.8	8.2	17.3	(D)	(NA)	(NA)
3949	Sporting and athletic goods, n.e.c. -----	-	12	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
--	Administrative and auxiliary -----	-	32	14	1.9	42.5	-	-	-	-	-	-	-	(NA)	(NA)

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹ Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
² Statistics for some industry groups and industries are withheld to avoid disclosing figures for individual companies. However, for such industry groups and industries with 150 employees or more, number of establishments is shown and employment size range is indicated by one of the following symbols: AA—150 to 249 employees; BB—250 to 499 employees; CC—500 to 999 employees; EE—1,000 to 2,499 employees; FF—2,500 employees or more. Statistics for industry groups shown include data for all component industries, regardless of whether data are shown for individual industries in the group.
³ Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Boise City SMSA -----	-	280	76	6.8	94.1	4.1	7.7	39.5	139.0	226.3	365.2	18.4	5.2	71.2
20	Food and kindred products --	-	28	15	0.9	10.1	0.5	1.1	5.5	24.2	86.3	110.6	3.5	0.8	15.1
201	Meat products -----	E1	9	5	0.3	3.8	0.2	0.6	2.8	4.8	56.6	61.2	(D)	(NA)	(NA)
24	Lumber and wood products --	-	48	16	1.5	15.1	1.2	2.3	11.3	38.0	56.6	94.3	3.1	1.5	24.5
243	Millwork, plywood, and structural members -----	E1	19	5	0.3	2.7	0.2	0.4	1.8	8.3	9.1	17.4	(D)	(NA)	(NA)
245	Wood buildings and mobile homes -----	-	7	7	0.9	9.4	0.8	1.5	7.0	23.1	38.3	61.1	2.2	0.9	14.5
27	Printing and publishing -----	E1	43	7	0.6	6.9	0.4	0.7	4.4	16.1	6.8	22.9	(D)	0.5	7.6
34	Fabricated metal products ---	-	29	9	0.4	4.2	0.3	0.6	2.7	9.5	18.8	27.6	(D)	0.5	8.6
344	Fabricated structural metal products -----	-	16	8	0.3	3.5	0.3	0.5	2.2	8.3	17.7	25.3	(D)	(NA)	(NA)
37	Transportation equipment ---	-	17	5	0.5	5.5	0.4	0.7	3.6	7.4	14.3	22.6	(D)	0.3	5.1
--	Administrative and auxiliary --	-	12	8	1.4	32.8	-	-	-	-	-	-	-	(NA)	(NA)

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (S) Withheld because estimate did not meet publication standards.
 (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹ Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
² Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972

[includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977												1972	
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
20 2034	Ada County (Coextensive with Boise City, Idaho, SMSA; see table 6.)														
	Bannock County -----	-	62	16	4.3	56.9	2.7	5.0	34.3	168.8	197.7	384.3	26.4	1.7	46.6
	Benewah County -----	-	58	8	1.0	16.3	0.9	1.8	14.0	38.1	46.2	84.4	2.5	0.8	17.9
	Bingham County -----	-	37	11	2.0	21.1	1.5	2.9	14.5	48.8	69.3	114.8	4.2	1.6	32.6
	Food and kindred products -- Dehydrated fruits, vegetables, and soups -	-	8	7	1.7	17.8	1.3	2.4	11.9	42.8	61.0	100.8	(D)	1.5	30.5
24 242 2421		-	5	5	1.5	15.2	1.0	1.9	10.0	37.3	39.6	74.0	1.5	(NA)	(NA)
	Bonner County -----	-	94	14	1.5	17.8	1.3	2.8	14.5	39.2	48.1	87.2	2.7	1.2	18.7
	Lumber and wood products -- Sawmills and planing mills -	-	68	13	1.4	16.7	1.2	2.7	13.8	36.9	44.9	81.7	2.6	1.1	17.7
	Sawmills and planing mills, general -----	-	26	12	1.2	14.3	1.1	2.4	12.1	31.0	39.0	70.0	2.2	0.8	15.0
		-	20	10	1.1	13.8	1.0	2.3	11.8	30.2	38.4	68.6	2.1	(NA)	(NA)
20	Bonneville County -----	-	69	19	2.2	23.7	1.6	2.9	15.7	42.7	73.6	111.0	4.3	2.3	30.1
	Food and kindred products --	E1	20	7	1.1	9.1	0.8	1.3	6.6	21.4	51.0	68.3	0.8	1.3	20.3
24	Boundary County -----	-	35	5	0.6	7.2	0.5	1.0	6.4	18.0	20.4	36.3	1.4	0.5	10.5
	Lumber and wood products --	E1	30	5	0.6	7.1	0.5	1.0	6.4	17.8	20.3	35.9	1.4	(NA)	(NA)
20 203 2037	Canyon County -----	-	101	37	6.5	64.0	5.2	9.8	45.7	118.6	379.7	494.3	12.6	7.1	114.8
	Food and kindred products -- Preserved fruits and vegetables -----	-	22	11	3.5	36.6	2.9	5.5	27.6	62.4	297.0	356.3	9.6	4.2	76.3
	Frozen fruits and vegetables -----	-	4	4	2.4	22.4	2.1	3.8	17.5	27.4	85.2	112.6	(D)	(NA)	(NA)
		-	4	4	2.4	22.4	2.1	3.8	17.5	27.4	85.2	112.6	(D)	(NA)	(NA)
	Lumber and wood products --	-	16	6	1.1	10.4	1.0	1.8	7.6	20.7	35.7	56.3	1.1	1.2	14.7
37	Transportation equipment ---	-	9	5	0.6	5.4	0.5	0.8	3.4	9.8	18.2	27.4	0.8	0.7	8.4
	Cassia County -----	-	26	9	1.7	17.0	1.5	2.9	13.5	30.1	63.9	92.9	1.1	1.6	34.3
20	Food and kindred products --	-	7	4	1.5	14.0	1.3	2.6	11.5	23.0	53.7	75.7	(D)	1.4	31.2
	Clearwater County -----	-	64	16	1.4	21.3	1.3	2.5	18.9	51.7	61.0	116.4	2.8	1.4	22.5
24 2411	Lumber and wood products -- Logging camps and logging contractors ----	-	59	16	1.4	21.1	1.3	2.5	18.8	51.4	60.6	115.8	2.8	1.4	22.3
		-	40	10	0.8	13.0	0.7	1.3	11.3	30.1	43.9	77.5	1.7	(NA)	(NA)
24	Idaho County -----	-	44	8	0.9	11.9	0.8	1.7	9.7	30.4	20.1	51.4	3.2	0.6	12.1
	Lumber and wood products --	-	32	7	0.8	11.1	0.8	1.6	9.3	28.9	19.1	48.9	3.1	(NA)	(NA)
24 242	Kootenai County -----	-	117	30	3.0	37.1	2.3	4.5	28.3	80.2	87.0	164.4	8.1	2.4	43.9
	Lumber and wood products -- Sawmills and planing mills -	-	71	19	2.0	27.8	1.8	3.6	24.2	64.3	77.0	138.6	7.5	1.7	33.6
24 242		-	21	10	1.2	16.7	1.1	2.1	14.9	40.6	56.6	94.7	5.8	1.0	22.5
	Latah County -----	-	51	10	0.8	11.2	0.8	1.5	9.4	21.1	32.9	52.7	3.0	0.9	16.9
24 242	Lumber and wood products -- Sawmills and planing mills -	-	36	9	0.7	9.8	0.7	1.3	8.6	18.2	29.8	46.6	2.8	0.8	14.9
		-	9	5	0.5	7.1	0.5	0.9	6.2	13.8	25.2	37.8	1.8	0.5	9.8
20	Madison County -----	-	20	5	0.5	4.3	0.3	0.6	2.8	12.0	15.5	26.0	1.2	0.3	2.3
	Minidoka County -----	-	15	8	2.2	21.7	1.9	3.9	16.2	47.9	96.4	136.3	1.7	0.6	15.5
20	Food and kindred products --	-	5	4	2.0	19.3	1.7	3.6	14.9	39.2	93.0	124.7	(D)	(NA)	(NA)
	Payette County -----	-	22	12	0.9	9.6	0.7	1.2	5.8	18.6	46.2	64.8	1.8	0.5	5.4
20	Food and kindred products --	-	11	5	0.5	5.0	0.3	0.5	2.8	8.7	27.3	35.9	(D)	(NA)	(NA)
	Twin Falls County -----	-	72	20	2.9	26.3	2.4	4.3	19.6	65.2	124.5	188.8	5.6	1.9	36.2

Note: "County" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B). - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

Explanation of terms, see appendix B)

SIC code	City and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Boise City -----	-	188	48	4.9	72.5	2.6	4.9	25.7	95.6	156.7	252.1	(D)	3.3	39.2
20	Food and kindred products --	-	19	11	0.8	8.8	0.4	0.9	4.4	18.9	69.5	88.5	(D)	0.5	9.7
24	Lumber and wood products --	-	24	4	0.5	4.7	0.4	0.8	3.8	10.6	19.9	30.7	(D)	0.6	9.3
27	Printing and publishing -----	E1	39	7	0.6	6.8	0.4	0.7	4.4	16.0	6.8	22.8	(D)	0.5	7.2
--	Administrative and auxiliary --	-	8	6	1.3	30.0	-	-	-	-	-	-	-	(NA)	(NA)
	Caldwell -----	-	47	14	2.9	29.1	2.2	4.4	20.1	46.6	186.9	232.6	10.4	3.7	56.9
20	Food and kindred products --	-	9	4	1.8	19.0	1.4	2.9	14.0	29.0	155.6	184.5	(D)	2.8	45.2
	Coeur d'Alene -----	-	55	13	1.3	17.0	0.9	1.8	12.3	35.7	47.1	81.5	2.0	0.8	14.2
24	Lumber and wood products --	-	25	5	0.8	11.5	0.7	1.5	10.3	28.1	41.1	67.9	1.6	(NA)	(NA)
242	Sawmills and planing mills --	-	7	4	0.7	10.3	0.6	1.3	9.4	26.0	37.8	62.6	(D)	(NA)	(NA)
2421	Sawmills and planing mills, general -----	-	7	4	0.7	10.3	0.6	1.3	9.4	26.0	37.8	62.6	(D)	(NA)	(NA)
	Grangeville -----	-	18	3	0.5	6.5	0.4	1.0	5.5	14.9	14.2	29.9	1.0	(NA)	(NA)
	Nampa -----	-	28	13	1.6	15.3	1.3	2.4	10.8	28.4	43.8	72.4	0.8	(D)	(D)
	Payette -----	-	10	7	0.6	5.9	0.4	0.7	3.7	11.1	34.1	45.1	1.5	(NA)	(NA)
	Post Falls -----	-	20	8	1.0	11.0	0.8	1.6	8.5	24.3	18.6	43.0	0.7	(NA)	(NA)
24	Lumber and wood products --	-	14	7	0.7	8.0	0.6	1.2	7.0	17.6	15.7	33.3	0.6	(NA)	(NA)
	St. Maries -----	-	38	6	0.8	13.0	0.7	1.5	11.3	31.3	39.7	71.2	2.1	(NA)	(NA)
	Sandpoint -----	-	44	8	0.8	8.7	0.8	1.3	7.1	23.5	25.0	48.4	1.0	(NA)	(NA)
24	Lumber and wood products --	-	28	7	0.7	7.7	0.6	1.2	6.5	21.5	21.9	43.3	0.8	(NA)	(NA)
242	Sawmills and planing mills --	-	11	6	0.6	6.5	0.5	1.0	5.8	18.2	18.4	36.6	0.6	(NA)	(NA)
	Twin Falls -----	-	48	13	1.8	16.3	1.4	2.6	11.5	28.1	71.1	99.7	4.3	1.0	15.2

Note: "City" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
IDAHO	1495	184	-	5	17	585	20	13	175	24	2	19	6	83	10	73	129	8	49	14	47	32
1 TO 4 EMPLOYEES	732	59	-	3	13	265	9	5	109	11	1	7	4	34	4	39	87	4	27	9	31	11
5 TO 9 EMPLOYEES	198	18	-	1	1	86	2	2	25	5	-	4	1	13	1	6	13	1	6	1	7	5
10 TO 19 EMPLOYEES	186	22	-	-	1	85	4	-	20	2	-	2	-	20	1	8	8	1	4	2	4	2
20 TO 49 EMPLOYEES	175	28	-	-	-	71	5	-	12	2	1	4	1	8	2	15	14	-	3	2	2	5
50 TO 99 EMPLOYEES	80	20	-	-	-	30	-	4	4	-	-	1	-	5	-	4	1	-	4	-	2	5
100 TO 249 EMPLOYEES	78	20	-	-	2	37	-	1	4	1	-	-	-	3	-	-	4	-	5	-	1	2
250 TO 499 EMPLOYEES	29	10	-	1	-	9	-	-	1	1	-	-	-	-	2	-	1	1	-	-	1	1
500 TO 999 EMPLOYEES	12	4	-	-	-	1	-	1	-	2	-	1	-	-	-	1	-	1	-	-	-	-
1000 TO 2499 EMPLOYEES	5	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ADA COUNTY	280	28	-	2	6	48	8	2	43	8	-	9	1	14	2	29	26	3	17	4	18	12
1 TO 19 EMPLOYEES	204	13	-	2	5	32	6	2	36	8	-	6	1	11	2	20	22	3	12	4	15	4
20 TO 99 EMPLOYEES	63	13	-	-	-	13	2	-	6	-	-	3	-	3	-	9	3	-	3	-	3	5
100 TO 249 EMPLOYEES	7	2	-	-	1	1	-	-	1	-	-	-	-	-	-	-	-	-	2	-	-	1
250 EMPLOYEES AND OVER	6	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	2
ADAMS COUNTY	15	-	-	-	-	10	-	-	2	-	-	-	-	-	-	-	1	-	-	-	2	-
1 TO 19 EMPLOYEES	11	-	-	-	-	6	-	-	2	-	-	-	-	-	-	-	1	-	-	-	2	-
20 TO 99 EMPLOYEES	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BANNOCK COUNTY	62	7	-	-	1	3	2	-	13	3	-	-	-	8	-	8	11	1	-	-	3	2
1 TO 19 EMPLOYEES	46	3	-	-	1	2	2	-	12	1	-	-	-	6	-	5	9	-	-	-	3	2
20 TO 99 EMPLOYEES	9	3	-	-	-	-	-	-	-	-	-	-	-	2	-	3	1	-	-	-	-	-
100 TO 249 EMPLOYEES	3	1	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	4	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	1	1	-	-	-	-
BEAR LAKE COUNTY	6	-	-	-	-	3	-	-	1	-	-	-	-	-	-	-	1	-	-	1	-	-
1 TO 19 EMPLOYEES	5	-	-	-	-	3	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
BENEAH COUNTY	58	-	-	-	-	55	-	-	1	-	-	-	-	2	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	50	-	-	-	-	47	-	-	1	-	-	-	-	2	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	5	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BINGHAM COUNTY	37	8	-	-	1	4	-	-	4	-	-	-	-	3	-	6	7	1	2	1	-	-
1 TO 19 EMPLOYEES	26	1	-	-	1	4	-	-	3	-	-	-	-	3	-	6	5	1	1	1	-	-
20 TO 99 EMPLOYEES	6	3	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-
100 TO 249 EMPLOYEES	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
250 EMPLOYEES AND OVER	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BLAINE COUNTY	20	1	-	1	1	2	-	-	7	-	-	-	-	1	-	1	1	-	1	2	2	-
1 TO 19 EMPLOYEES	19	1	-	1	1	2	-	-	7	-	-	-	-	1	-	1	1	-	1	2	1	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
BOISE COUNTY	8	-	-	-	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
1 TO 19 EMPLOYEES	5	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
20 TO 99 EMPLOYEES	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BONNER COUNTY	94	4	-	-	-	68	1	-	3	-	-	1	-	6	1	3	4	1	-	-	1	1
1 TO 19 EMPLOYEES	80	4	-	-	-	55	1	-	2	-	-	1	-	6	1	3	4	1	-	-	1	1
20 TO 99 EMPLOYEES	9	-	-	-	-	8	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	5	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BONNEVILLE COUNTY	69	20	-	-	3	7	1	1	10	2	-	-	1	5	-	2	8	1	2	2	1	3
1 TO 19 EMPLOYEES	50	13	-	-	3	5	1	1	9	2	-	-	-	2	-	2	5	1	2	2	1	1
20 TO 99 EMPLOYEES	12	4	-	-	-	2	-	-	1	-	-	-	1	1	-	-	2	-	-	-	-	-
100 TO 249 EMPLOYEES	5	1	-	-	-	-	-	-	-	-	-	-	-	2	-	-	1	-	-	-	-	-
250 EMPLOYEES AND OVER	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BOUNDARY COUNTY	35	-	-	-	-	30	-	-	1	-	-	-	-	1	-	-	2	-	-	-	1	-
1 TO 19 EMPLOYEES	30	-	-	-	-	25	-	-	1	-	-	-	-	1	-	-	2	-	-	-	1	-
20 TO 99 EMPLOYEES	3	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BUTTE COUNTY	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																		39	CAO's	
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37			38
CAMAS COUNTY	4	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	3	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CANYON COUNTY	101	22	-	-	2	16	4	2	12	1	-	2	-	7	-	5	11	-	9	1	3	4
1 TO 19 EMPLOYEES	64	11	-	-	1	10	3	1	9	-	-	2	-	5	-	2	9	-	4	1	2	4
20 TO 99 EMPLOYEES	19	4	-	-	1	1	1	1	2	1	-	-	-	1	-	3	1	-	3	-	1	-
100 TO 249 EMPLOYEES	13	3	-	-	1	4	-	-	1	-	-	-	-	1	-	-	1	-	2	-	-	-
250 EMPLOYEES AND OVER	5	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CARIBOU COUNTY	8	1	-	-	-	-	-	-	1	3	-	-	-	1	-	-	1	-	1	-	-	-
1 TO 19 EMPLOYEES	5	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CASSIA COUNTY	26	7	-	-	-	-	-	2	3	-	-	1	-	6	-	1	3	-	3	-	-	-
1 TO 19 EMPLOYEES	17	3	-	-	-	-	-	1	2	-	-	1	-	5	-	1	2	-	3	-	-	-
20 TO 99 EMPLOYEES	7	2	-	-	-	-	-	-	1	-	-	-	-	1	-	1	1	-	-	-	-	-
250 EMPLOYEES AND OVER	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLEARWATER COUNTY	64	-	-	-	1	59	-	-	2	-	-	-	-	2	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	48	-	-	-	1	43	-	-	2	-	-	-	-	2	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	13	-	-	-	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUSTER COUNTY	4	-	-	-	-	3	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	4	-	-	-	-	3	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
ELMORE COUNTY	9	1	-	-	-	2	-	-	1	-	-	1	-	-	-	-	3	-	1	-	-	-
1 TO 19 EMPLOYEES	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FRANKLIN COUNTY	8	2	-	1	-	-	-	-	2	-	-	-	-	-	-	-	1	-	-	-	-	1
1 TO 19 EMPLOYEES	7	1	-	1	-	-	-	-	2	-	-	-	-	-	-	-	1	-	-	-	-	1
100 TO 249 EMPLOYEES	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FREMONT COUNTY	21	2	-	-	1	12	-	-	1	-	-	-	-	1	-	-	4	-	-	-	-	-
1 TO 19 EMPLOYEES	19	2	-	-	1	10	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEM COUNTY	19	2	-	-	-	10	-	-	2	-	-	-	-	1	-	1	3	-	-	-	-	-
1 TO 19 EMPLOYEES	15	1	-	-	-	7	-	-	2	-	-	-	-	1	-	1	3	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	1	-	-	-	1	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GOODING COUNTY	12	2	-	-	-	1	-	-	4	-	-	-	-	2	-	-	1	-	-	-	1	1
1 TO 19 EMPLOYEES	11	1	-	-	-	1	-	-	4	-	-	-	-	2	-	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IDAHO COUNTY	44	1	-	-	-	32	-	-	4	-	-	-	1	3	-	-	1	-	2	-	-	-
1 TO 19 EMPLOYEES	36	1	-	-	-	25	-	-	3	-	-	-	1	3	-	-	1	-	-	-	-	-
20 TO 99 EMPLOYEES	5	-	-	-	-	4	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JEFFERSON COUNTY	17	7	-	-	-	2	-	-	1	1	-	-	-	-	-	1	3	-	1	-	1	1
1 TO 19 EMPLOYEES	15	5	-	-	-	2	-	-	1	1	-	-	-	-	-	-	3	-	1	-	-	-
100 TO 249 EMPLOYEES	1	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JEROME COUNTY	12	4	-	-	-	1	-	-	3	2	-	1	-	-	-	-	2	-	-	-	1	1
1 TO 19 EMPLOYEES	8	4	-	-	-	-	-	-	2	1	-	-	-	-	-	-	1	-	-	-	-	-
20 TO 99 EMPLOYEES	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 — Con.

(Major groups descriptions are: 20--food and kindred products; 21--textile mill products; 22--tobacco manufactures; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO ²
KOOTENAI COUNTY.	117	4	-	-	-	71	-	-	12	-	2	1	-	3	2	9	3	1	1	2	2	4
1 TO 19 EMPLOYEES.	87	3	-	-	-	52	-	-	11	-	1	1	-	2	1	7	3	-	1	1	2	2
20 TO 99 EMPLOYEES.	21	-	-	-	-	11	-	-	1	-	-	-	-	1	1	2	-	-	-	1	-	2
100 TO 249 EMPLOYEES.	7	-	-	-	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
LATAH COUNTY.	51	2	-	-	-	36	-	-	4	-	-	-	-	3	-	1	2	-	1	-	2	-
1 TO 19 EMPLOYEES.	41	2	-	-	-	27	-	-	3	-	-	-	-	3	-	1	2	-	1	-	2	-
20 TO 99 EMPLOYEES.	8	-	-	-	-	7	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEMHI COUNTY.	16	1	-	-	-	10	1	1	1	-	-	-	1	1	1	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES.	12	1	-	-	-	7	1	1	1	-	-	-	1	1	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	3	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEWIS COUNTY.	22	-	-	-	-	18	-	-	2	-	-	-	-	-	-	-	1	-	-	-	1	-
1 TO 19 EMPLOYEES.	17	-	-	-	-	13	-	-	2	-	-	-	-	-	-	-	1	-	-	-	1	-
20 TO 99 EMPLOYEES.	4	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LINCOLN COUNTY.	3	1	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	2	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADISON COUNTY.	20	4	-	-	-	5	-	1	4	-	-	-	-	3	-	-	1	-	1	-	-	1
1 TO 19 EMPLOYEES.	14	1	-	-	-	4	-	-	4	-	-	-	-	3	-	-	1	-	1	-	-	-
20 TO 99 EMPLOYEES.	5	2	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MINIDOKA COUNTY.	15	5	-	-	-	1	-	-	-	1	-	-	-	2	-	-	4	-	1	-	1	-
1 TO 19 EMPLOYEES.	7	1	-	-	-	1	-	-	-	1	-	-	-	-	-	-	2	-	1	-	1	-
20 TO 99 EMPLOYEES.	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEZ PERCE COUNTY.	50	10	-	-	1	19	-	2	4	-	-	-	-	1	2	1	4	-	1	1	3	1
1 TO 19 EMPLOYEES.	34	6	-	-	1	13	-	-	3	-	-	-	-	-	2	-	4	-	1	1	3	-
20 TO 99 EMPLOYEES.	10	4	-	-	-	4	-	-	1	-	-	-	-	1	-	-	-	-	1	-	-	-
100 TO 249 EMPLOYEES.	2	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	4	-	-	-	-	1	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	1
ONEIDA COUNTY.	3	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES.	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-
20 TO 99 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
OWYHEE COUNTY.	3	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	1
1 TO 19 EMPLOYEES.	3	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	1
PAYETTE COUNTY.	22	11	-	-	-	5	1	-	1	-	-	-	1	-	-	-	1	-	2	-	-	-
1 TO 19 EMPLOYEES.	10	5	-	-	-	1	-	-	1	-	-	-	1	-	-	-	1	-	1	-	-	-
20 TO 99 EMPLOYEES.	8	4	-	-	-	3	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
100 TO 249 EMPLOYEES.	4	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
POWER COUNTY.	7	1	-	-	-	-	-	-	1	1	-	-	-	1	-	-	3	-	-	-	-	-
1 TO 19 EMPLOYEES.	6	-	-	-	-	-	-	-	1	1	-	-	-	1	-	-	3	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHOSHONE COUNTY.	31	-	-	-	-	15	-	-	5	3	-	2	-	1	2	-	2	-	1	-	-	-
1 TO 19 EMPLOYEES.	21	-	-	-	-	11	-	-	5	2	-	-	-	-	-	-	1	-	1	-	-	-
20 TO 99 EMPLOYEES.	8	-	-	-	-	4	-	-	1	1	-	1	-	1	-	-	1	-	-	-	-	-
250 EMPLOYEES AND OVER.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-
TETON COUNTY.	4	-	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	1
1 TO 19 EMPLOYEES.	4	-	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	1
TWIN FALLS COUNTY.	72	26	-	1	-	8	2	2	9	1	-	-	1	2	1	4	10	-	2	-	1	2
1 TO 19 EMPLOYEES.	52	16	-	-	-	6	1	1	8	1	-	-	1	2	1	3	8	-	2	-	1	2
20 TO 99 EMPLOYEES.	13	6	-	-	-	1	1	1	1	-	-	-	-	-	-	1	1	-	-	-	-	-
100 TO 249 EMPLOYEES.	4	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
250 EMPLOYEES AND OVER.	3	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical, 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B)

appendix B)		Establishments in major industry groups																				
State, county, and employee size class ¹	All es- tablish- ments	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
VALLEY COUNTY.	14	-	-	-	-	10	-	-	3	-	-	-	-	1	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	11	-	-	-	-	7	-	-	3	-	-	-	-	1	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	3	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WASHINGTON COUNTY.	11	-	-	-	-	5	-	1	2	-	-	-	-	1	-	-	2	-	-	-	-	-
1 TO 19 EMPLOYEES.	8	-	-	-	-	2	-	1	2	-	-	-	-	1	-	-	2	-	-	-	-	-
20 TO 99 EMPLOYEES.	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: Data on number of establishments by employment size class by 4-digit SIC industry for States, counties, and selected cities are presented in Location of Manufacturing Plants data series. This series is available only on computer tape (see Introduction).

- Represents zero.

¹Only those counties and size classes that include data for manufacturing establishments are shown.

Illinois

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ILLINOIS



SUMMARY OF FINDINGS

In 1977, 1,286.2 thousand persons were employed in Illinois's manufacturing establishments. This figure represented a decrease of 2 percent from the 1972 figure of 1,306.1 thousand workers.

The total value added by manufacture for the State amounted to \$40,279 million in 1977, an increase of approximately 56 percent from the 1972 figure of \$25,849 million. All dollar figures in this report are in current dollars and are, therefore, not adjusted for changes in price levels.

In the State, the most important industry groups ranked by employment were machinery, except electrical; electric and electronic equipment; fabricated metal products; and food and kindred products. They accounted for approximately 47 percent of the State's 1977 employment. These same industry groups were in the forefront for 1972 when they accounted for approximately 48 percent of the State's employment.

The most important counties in the State ranked by employment were Cook, DuPage, Lake, and Kane. They accounted for approximately 65 percent of the State's 1977 manufacturing employment. The order has shifted from 1972 when Cook, Kane, Lake, and DuPage accounted for approximately 66 percent of the State's employment.

The methods of data collection and use of administrative records data are discussed in detail in the Introduction. Small single-unit companies with up to 20 employees (the cutoff varied by industry) were excluded from the mail portion of the census. For these establishments (and a small number of larger establishments whose reports were not received in time to be tabulated), statistics on payrolls and receipts were obtained from administrative records of other government agencies. Other statistics were developed from industry averages. For this State, these establishments accounted for 3 percent of the total value of shipments.

Table 1. Historical Employment Statistics for Operating Manufacturing Establishments and Central Administrative Offices: 1977 and Earlier Years

(For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

State, standard metropolitan statistical area, and year	All establishments		Operating manufacturing establishments		Central administrative offices and auxiliaries ¹	
	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)
Illinois:						
1977.....	1,286.2	18,740.8	1,190.1	16,737.2	96.1	2,003.6
1972.....	1,306.1	12,801.1	1,224.8	11,694.4	81.4	1,106.4
1967.....	1,397.3	10,013.9	1,331.5	9,319.6	65.8	694.3
1963.....	1,211.2	7,560.6	1,151.4	7,023.2	59.8	537.4
STANDARD CONSOLIDATED AREA						
Chicago-Gary, Ill.-Ind.:						
1977.....	982.5	14,803.8	904.2	13,181.4	78.3	1,622.4
1972.....	1,009.0	10,205.6	938.2	9,255.7	70.8	949.9
1967.....	1,088.1	8,020.4	1,030.1	7,410.3	58.0	610.1
1963.....	958.5	6,195.4	905.0	5,710.0	53.6	485.4
STANDARD METROPOLITAN STATISTICAL AREAS						
Bloomington-Normal:						
1977.....	8.1	88.9	7.5	80.9	.6	8.0
1972.....	6.6	55.3	(D)	(D)	(D)	(D)
1967.....	6.4	41.5	(D)	(D)	(D)	(D)
Champaign-Urbana-Rantoul:						
1977.....	7.3	83.3	7.3	81.9	(Z)	1.4
1972.....	4.4	36.8	4.4	36.3	(Z)	.5
1967.....	5.6	35.6	5.5	35.2	.1	.4
1963.....	3.3	20.3	(D)	(D)	(D)	(D)
Chicago:						
1977.....	884.3	12,953.9	806.7	11,341.4	77.6	1,612.5
1972.....	909.6	9,064.0	840.0	8,131.6	69.6	940.5
1967.....	983.1	7,168.1	926.0	6,564.1	57.1	604.0
1963.....	860.6	5,473.0	808.5	5,001.0	52.1	472.0
Davenport-Rock Island-Moline, Iowa-Ill.:						
1977.....	47.7	823.3	45.1	752.2	2.6	71.1
1972.....	41.7	463.4	40.0	430.0	1.7	33.7
1967.....	49.3	387.1	47.6	367.0	1.7	20.1
1963.....	41.1	272.5	(D)	(D)	(D)	(D)
Decatur:						
1977.....	19.1	305.9	18.0	283.7	1.1	22.2
1972.....	19.7	210.9	19.3	205.9	.4	5.0
1967.....	18.5	139.9	18.4	138.7	.1	1.2
1963.....	14.0	92.2	(D)	(D)	(D)	(D)
Kankakee:						
1977.....	11.2	156.3	10.7	152.2	.5	4.1
1972.....	11.0	113.9	(NA)	(NA)	(NA)	(NA)
Peoria:						
1977.....	52.3	988.0	41.8	753.6	10.5	234.4
1972.....	44.9	519.3	39.7	435.1	5.3	84.4
1967.....	46.6	371.3	42.4	326.2	4.2	45.1
1963.....	40.1	277.6	(D)	(D)	(D)	(D)
Rockford:						
1977.....	50.0	740.6	49.7	734.4	.3	6.2
1972.....	53.6	519.9	53.0	513.5	.6	6.4
1967.....	57.7	430.0	(D)	(D)	(D)	(D)
1963.....	43.9	272.9	(D)	(D)	(D)	(D)
St. Louis, Mo.-Ill.:						
1977.....	248.7	3,761.1	226.8	3,367.8	21.9	393.3
1972.....	256.2	2,608.0	235.4	2,329.5	21.0	278.5
1967.....	295.5	2,217.3	278.1	2,030.8	17.4	186.5
1963.....	259.7	1,666.3	244.3	1,539.8	15.5	126.5
Springfield:						
1977.....	8.3	114.1	D	(D)	(D)	(D)
1972.....	11.2	104.0	(D)	(D)	(D)	(D)
1967.....	11.1	76.0	11.1	76.0	-	-
1963.....	11.6	67.7	11.6	67.7	-	-

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Defined in appendix B. Data for these establishments are included at the total manufacturing level in each table in this report. Data for these establishments are shown separately in tables 5 and 9 and included in State, SMSA, county, or city totals in other tables.

Table 2a. Historical Statistics for the State and Selected Standard Metropolitan Statistical Areas: 1977 and Earlier Years

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Establishments ²		All employees ²		Production workers							Comparative indexes and U.S. employment			
	Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)	Value added by manu- facture (million dollars)	Cost of materials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)	Percent of U.S. manufac- turing employ- ment (per- cent)	Index of State em- ploy- ment change (1977= 100)	United States	
														Index of manufac- turing employ- ment change (1977= 100)	U.S. manu- facturing employ- ment (1,000)
ILLINOIS															
1977 CENSUS.	19 517	7 441	1 286.2	18 740.8	857.8	1 676.7	10 756.5	40 279.1	53 342.1	93 081.3	2 661.5	6.56	100	100	19 596.9
1976 ASM....	(NA)	(NA)	1 249.9	16 831.3	825.4	1 595.2	9 557.1	36 084.5	46 771.5	82 351.3	2 335.2	6.67	97	96	18 753.0
1975 ASM....	(NA)	(NA)	1 247.8	15 534.3	816.9	1 574.9	8 790.2	32 089.3	43 295.8	75 011.1	2 228.5	6.82	97	94	18 302.2
1974 ASM....	(NA)	(NA)	1 386.8	15 746.2	936.8	1 843.7	9 301.0	32 799.8	43 295.8	74 702.9	2 154.5	6.99	108	102	19 844.8
1973 ASM....	(NA)	(NA)	1 372.5	14 383.1	945.4	1 876.1	8 657.4	29 356.7	33 805.2	62 581.6	1 698.8	6.90	107	102	19 897.9
1972 CENSUS.	18 617	7 345	1 306.1	12 801.1	901.0	1 780.3	7 614.9	25 848.9	28 146.3	53 553.1	1 564.1	6.86	102	98	19 028.7
1971 ASM....	(NA)	(NA)	1 282.2	11 701.6	871.2	1 708.9	6 875.9	22 789.8	25 109.0	47 939.6	1 476.3	6.98	100	94	18 363.1
1970 ASM....	(NA)	(NA)	1 356.9	11 552.2	929.0	1 844.0	6 835.5	22 379.0	24 525.8	46 705.1	1 515.4	7.06	105	99	19 217.2
1969 ASM....	(NA)	(NA)	1 408.0	11 224.9	989.7	1 976.7	6 920.9	22 642.0	23 718.4	46 040.4	1 492.5	7.03	109	108	20 035.5
1968 ASM....	(NA)	(NA)	1 387.9	10 542.1	977.0	1 955.4	6 468.7	21 196.4	22 454.0	43 615.1	1 494.2	7.11	108	100	19 527.6
1967 CENSUS.	18 536	7 477	1 397.3	10 013.9	995.1	1 978.8	6 180.0	20 016.5	21 559.6	41 333.7	1 493.4	7.23	109	99	19 323.2
1966 ASM....	(NA)	(NA)	1 404.8	9 733.6	1 012.9	2 054.8	6 156.5	19 885.2	21 987.3	41 323.8	1 468.7	7.38	109	98	19 024.5
1965 ASM....	(NA)	(NA)	1 319.6	8 803.9	940.9	1 386.8	5 531.0	17 743.8	19 527.7	31 005.1	1 148.0	7.33	103	92	18 010.2
1964 ASM....	(NA)	(NA)	1 250.4	8 141.1	885.3	1 806.0	5 052.8	16 012.0	17 586.5	33 401.2	914.4	7.24	97	89	17 268.5
1963 CENSUS.	18 593	6 974	1 211.2	7 560.6	855.9	1 717.0	1 915.4	14 641.5	(NA)	(NA)	775.6	7.14	94	87	16 958.4
CHICAGO-GARY, ILL.-IND., SCSA															
1977 CENSUS.	15 026	5 794	982.5	14 803.8	643.5	1 265.7	8 389.8	31 059.7	39 305.7	69 937.3	1 979.4	5.01	100	100	19 596.9
1972 CENSUS.	14 460	5 753	1 009.0	10 205.6	681.8	1 346.7	5 987.9	19 732.8	21 311.2	40 708.8	1 256.0	5.30	103	98	19 028.7
CHICAGO SMSA															
1977 CENSUS.	14 547	5 604	884.3	12 953.9	567.8	1 118.0	7 022.8	27 542.1	31 441.8	58 567.9	1 448.9	4.51	100	100	19 596.9
1976 ASM....	(NA)	(NA)	861.4	11 675.2	546.0	1 057.6	6 200.7	24 076.8	27 118.2	50 895.0	1 305.5	4.59	97	96	18 753.0
1975 ASM....	(NA)	(NA)	855.8	10 772.0	542.0	1 044.5	5 717.1	21 466.2	25 251.3	46 812.3	1 180.4	4.68	97	94	18 302.2
1974 ASM....	(NA)	(NA)	957.5	10 983.5	624.8	1 226.8	6 118.3	22 133.1	25 778.5	47 062.9	1 233.4	4.82	108	102	19 844.8
1973 ASM....	(NA)	(NA)	953.1	10 119.7	631.7	1 259.0	5 760.3	19 938.8	20 768.4	40 266.9	1 015.6	4.79	108	102	19 897.9
1972 CENSUS.	13 988	5 652	909.6	9 064.0	604.9	1 195.1	5 167.7	17 573.8	17 704.3	35 032.1	998.8	4.78	103	98	19 028.7
1971 ASM....	(NA)	(NA)	888.8	8 261.0	583.8	1 150.3	4 606.9	15 575.9	15 792.7	31 430.0	972.0	4.84	101	94	18 363.1
1970 ASM....	(NA)	(NA)	946.3	8 220.3	627.0	1 246.5	4 634.6	15 192.2	15 537.4	30 609.4	995.1	4.92	107	99	19 217.2
1969 ASM....	(NA)	(NA)	985.4	8 059.9	676.6	1 359.0	4 747.8	15 562.4	15 267.9	30 640.9	942.8	4.92	111	103	20 035.5
1968 ASM....	(NA)	(NA)	969.7	7 507.1	667.7	1 345.5	4 436.6	14 481.6	14 336.7	28 888.7	877.0	4.97	110	100	19 527.6
1967 CENSUS.	13 906	5 652	983.1	7 163.1	683.6	1 365.9	4 256.6	13 775.3	13 813.9	27 415.2	870.9	5.09	111	99	19 323.2
1966 ASM....	(NA)	(NA)	988.7	6 966.1	695.6	1 417.2	4 242.0	13 744.4	14 276.2	27 668.5	819.5	5.20	112	98	19 024.5
1965 ASM....	(NA)	(NA)	929.7	6 326.3	646.7	1 324.6	3 833.8	12 341.4	12 878.5	25 023.2	653.8	5.16	105	92	18 010.2
1964 ASM....	(NA)	(NA)	883.1	5 845.5	608.8	1 246.3	3 484.8	11 211.8	11 460.5	22 556.1	544.5	5.11	100	89	17 268.5
1963 CENSUS.	13 956	5 276	860.8	5 473.0	593.6	1 194.3	3 251.0	10 291.1	(NA)	(NA)	485.2	5.08	97	87	16 958.4
DAVENPORT-ROCK ISLAND-MOLINE, IOWA-ILL., SMSA															
1977 CENSUS.	460	174	47.7	823.3	33.5	63.3	523.8	1 615.4	2 719.5	4 286.8	167.1	.24	100	100	19 596.9
1976 ASM....	(NA)	(NA)	45.7	707.0	32.2	60.4	449.7	1 469.9	2 261.7	3 676.1	161.8	.24	96	96	18 753.0
1975 ASM....	(NA)	(NA)	46.2	658.2	32.3	61.2	425.8	1 243.7	2 010.8	3 250.6	117.6	.25	97	94	18 302.2
1974 ASM....	(NA)	(NA)	49.6	653.7	36.0	70.6	437.6	1 245.8	1 863.3	2 982.1	76.9	.25	104	102	19 844.8
1973 ASM....	(NA)	(NA)	46.0	549.0	33.2	65.3	363.5	980.4	1 516.0	2 463.5	51.9	.23	97	102	19 897.9
1972 CENSUS.	416	167	41.7	463.4	29.8	57.7	300.4	852.2	1 236.3	2 012.8	36.2	.22	87	98	19 028.7
1971 ASM....	(NA)	(NA)	40.5	404.5	28.6	53.2	253.9	706.9	942.6	1 647.1	56.6	.22	85	94	18 363.1
1970 ASM....	(NA)	(NA)	43.8	384.7	31.0	58.0	245.2	698.4	922.3	1 620.1	62.4	.23	92	99	19 217.2
1969 ASM....	(NA)	(NA)	44.4	383.1	30.5	57.3	238.1	675.3	874.4	1 540.3	65.0	.22	93	103	20 035.5
1968 ASM....	(NA)	(NA)	45.4	362.5	33.1	60.5	247.5	712.3	848.7	1 559.5	101.5	.23	95	100	19 527.6
1967 CENSUS.	430	173	49.3	387.1	35.2	69.8	254.6	769.9	892.3	1 641.7	74.6	.26	103	99	19 323.2
1966 ASM....	(NA)	(NA)	48.6	379.7	35.5	73.8	257.5	693.4	905.3	1 584.3	53.6	.26	102	98	19 024.5
1965 ASM....	(NA)	(NA)	45.2	324.4	32.7	65.9	216.9	574.8	774.1	1 339.9	36.6	.25	95	92	18 010.2
1964 ASM....	(NA)	(NA)	45.1	312.8	33.0	66.6	210.8	559.5	744.8	1 269.4	28.0	.26	95	89	17 268.5
1963 CENSUS.	470	170	41.1	272.5	29.9	59.8	181.4	494.3	(NA)	(NA)	37.1	.24	86	87	16 958.4
PEORIA SMSA															
1977 CENSUS.	384	141	52.3	988.0	30.6	57.7	511.0	1 533.8	2 421.9	3 938.4	355.5	.27	100	100	19 596.9
1976 ASM....	(NA)	(NA)	47.6	801.4	29.9	56.5	466.0	1 486.5	2 164.9	3 625.2	281.4	.22	79	96	18 753.0
1975 ASM....	(NA)	(NA)	48.9	801.9	31.1	60.9	466.6	1 546.3	2 069.7	3 604.0	239.5	.27	93	94	18 302.2
1974 ASM....	(NA)	(NA)	48.7	726.1	31.5	62.6	434.5	1 370.1	1 833.8	3 106.7	197.2	.25	93	102	19 844.8
1973 ASM....	(NA)	(NA)	48.3	634.1	32.6	63.7	382.6	1 336.9	1 086.1	2 418.8	136.8	.24	92	102	19 897.9
1972 CENSUS.	364	146	44.9	519.3	30.1	59.0	309.3	1 138.8	858.4	1 980.6	65.4	.24	86	98	19 028.7
1971 ASM....	(NA)	(NA)	42.8	484.0	28.2	54.3	287.9	936.0	820.7	1 723.7	61.3	.23	82	94	18 363.1
1970 ASM....	(NA)	(NA)	45.5	453.9	31.1	60.0	274.2	873.0	833.0	1 699.3	58.7	.24	87	99	19 217.2
1969 ASM....	(NA)	(NA)	46.4	427.0	31.5	61.6	261.4	846.9	759.5	1 603.9	66.2	.23	89	103	20 035.5
1968 ASM....	(NA)	(NA)	46.8	407.0	31.3	62.1	248.0	843.3	729.1	1 575.2	88.9	.24	89	100	19 527.6
1967 CENSUS.	351	156	46.6	371.3	31.9	60.5	228.2	765.5	677.3	1 433.1	93.2	.24	89	99	19 323.2
1966 ASM....	(NA)	(NA)	46.6	368.0	32.0	64.5	229.8	734.9	740.7	1 461.9	77.0	.24	89	98	19 024.5
1965 ASM....	(NA)	(NA)	45.5	342.7	31.3	63.6	215.8	696.1							

See footnotes at end of table.

**Table 2a. Historical Statistics for the State and Selected Standard Metropolitan Statistical Areas:
1977 and Earlier Years—Con.**

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Establishments ²		All employees ²		Production workers							Comparative indexes and U.S. employment			
												United States			
	Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)	Value added by manu- facture (million dollars)	Cost of materials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)	Percent of U.S. manufac- turing employ- ment (per- cent)	Index of State employ- ment change (1977= 100)	Index of manufac- turing employ- ment change (1977= 100)	U.S. manu- facturing employ- ment (1,000)
ROCKFORD SMSA															
1977 CENSUS.	723	261	50.0	740.6	34.4	71.4	461.5	1 595.2	1 552.3	3 107.5	119.3	.26	100	100	19 596.9
1976 ASM....	(NA)	(NA)	50.0	665.5	35.0	68.9	413.2	1 477.6	1 561.4	3 016.8	72.9	.27	100	96	18 753.0
1975 ASM....	(NA)	(NA)	50.6	619.6	35.5	69.7	386.4	1 300.0	1 407.9	2 731.5	67.0	.28	101	94	18 302.2
1974 ASM....	(NA)	(NA)	56.9	632.1	41.7	83.0	414.1	1 342.4	1 389.1	2 686.5	68.2	.29	114	102	19 844.8
1973 ASM....	(NA)	(NA)	56.2	588.7	40.4	82.1	383.9	1 182.3	1 337.3	2 495.6	51.8	.28	112	102	19 897.9
1972 CENSUS.	652	250	53.6	519.9	38.5	79.3	331.5	1 087.9	1 191.5	2 255.1	48.3	.28	107	98	19 028.7
1971 ASM....	(NA)	(NA)	50.8	466.7	36.4	73.9	298.2	924.2	1 114.3	2 050.0	30.3	.28	102	94	18 363.1
1970 ASM....	(NA)	(NA)	54.2	459.6	39.3	78.7	293.1	907.2	1 031.3	1 951.4	41.8	.28	108	99	19 217.2
1969 ASM....	(NA)	(NA)	58.7	485.3	42.5	86.2	309.3	977.8	954.3	1 908.6	50.0	.29	117	103	20 035.5
1968 ASM....	(NA)	(NA)	60.1	468.8	43.4	89.8	304.2	916.3	1 025.9	1 943.8	60.6	.31	120	100	19 527.6
1967 CENSUS.	624	253	57.7	430.0	42.2	87.3	280.6	832.5	921.0	1 733.0	69.7	.30	115	99	19 323.2
1966 ASM....	(NA)	(NA)	56.2	408.3	41.6	88.4	273.0	816.9	780.6	1 657.7	59.5	.30	112	98	19 024.5
1965 ASM....	(NA)	(NA)	50.3	345.7	36.4	78.4	227.0	671.7	519.7	1 161.2	70.9	.28	101	92	18 010.2
1964 ASM....	(NA)	(NA)	46.2	300.7	33.4	70.8	197.1	557.7	419.1	959.9	57.8	.27	92	89	17 268.5
1963 CENSUS.	584	228	43.9	272.9	31.4	66.0	176.6	494.8	(NA)	(NA)	22.2	.26	88	87	16 958.4
ST. LOUIS, MO.-ILL., SMSA															
1977 CENSUS.	3 358	1 231	248.7	3 761.1	162.8	318.2	2 183.4	8 342.0	13 910.5	22 232.8	464.9	1.27	100	100	19 596.9
1976 ASM....	(NA)	(NA)	239.7	3 367.2	155.0	305.2	1 925.1	7 335.8	11 142.1	18 328.1	372.2	1.28	96	96	18 753.0
1975 ASM....	(NA)	(NA)	236.0	3 029.5	151.0	289.9	1 694.9	6 102.5	9 502.8	15 352.0	364.4	1.29	95	94	18 302.2
1974 ASM....	(NA)	(NA)	256.1	3 098.8	167.8	326.6	1 737.6	6 278.3	9 120.1	15 100.5	356.1	1.29	103	102	19 844.8
1973 ASM....	(NA)	(NA)	264.1	2 870.4	175.6	345.4	1 667.1	5 644.2	7 557.6	13 104.8	262.4	1.33	106	102	19 897.9
1972 CENSUS.	3 215	1 260	256.2	2 608.0	168.8	332.6	1 496.9	5 190.0	6 660.7	11 698.1	232.1	1.35	103	98	19 028.7
1971 ASM....	(NA)	(NA)	269.2	2 555.8	176.1	341.5	1 452.2	4 803.4	6 155.0	10 960.3	226.0	1.47	108	94	18 363.1
1970 ASM....	(NA)	(NA)	281.4	2 501.2	185.9	364.6	1 417.3	4 564.9	5 923.2	10 518.5	243.2	1.46	113	99	19 217.2
1969 ASM....	(NA)	(NA)	298.9	2 469.2	199.7	390.2	1 434.2	4 619.8	6 457.4	11 063.9	232.2	1.49	120	103	20 035.5
1968 ASM....	(NA)	(NA)	297.6	2 369.9	222.1	404.3	1 597.6	4 529.9	6 421.8	10 890.6	204.2	1.52	120	100	19 527.6
1967 CENSUS.	3 114	1 313	295.5	2 217.3	203.2	404.2	1 323.9	4 158.9	5 762.0	9 904.1	300.8	1.53	119	99	19 323.2
1966 ASM....	(NA)	(NA)	287.1	2 068.4	197.4	396.8	1 245.7	4 076.0	5 646.3	9 672.2	322.1	1.51	115	98	19 024.5
1965 ASM....	(NA)	(NA)	276.8	1 897.3	190.9	380.2	1 140.6	3 609.1	5 445.4	9 051.0	250.8	1.54	111	92	18 010.2
1964 ASM....	(NA)	(NA)	268.8	1 783.4	184.9	372.5	1 078.6	3 340.9	4 836.8	8 171.5	180.6	1.56	108	89	17 268.5
1963 CENSUS.	3 217	1 283	259.7	1 666.3	179.4	359.7	1 007.3	3 118.7	(NA)	(NA)	170.2	1.53	104	87	16 958.4

(NA) Not available.

¹In annual survey of manufactures (ASM) years, data are estimates based on a representative sample of establishments canvassed annually and may differ from results of a complete canvass of all establishments. ASM publication shows percentage standard errors. Unless otherwise noted, for data prior to 1963, see 1963 Census of Manufactures, vol. III, table 1 of State chapter.

²Including central administrative offices and auxiliaries (for definition, see appendix B).

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

**Table 2b. Selected Operating Ratios for the State and Selected Standard Metropolitan Statistical Areas:
1977 and Earlier Years**

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials as percent of value of shipments (percent)	Cost of materials and payroll as percent of value of shipments (percent)	Value added per employee (dollars)	Payroll as percent of value added (percent)	Value added per production worker hour (dollars)
ILLINOIS									
1977 CENSUS.....	14 571	67	1 955	6.42	57	77	31 316	47	24.02
1976 ASM.....	13 466	66	1 933	5.99	57	77	28 870	47	22.62
1975 ASM.....	12 449	65	1 928	5.58	57	78	25 717	48	20.38
1974 ASM.....	11 354	68	1 968	5.04	58	79	23 651	48	17.79
1973 ASM.....	10 479	69	1 984	4.61	54	77	21 389	49	15.65
1972 CENSUS.....	9 801	69	1 976	4.31	53	76	19 791	50	14.52
1971 ASM.....	9 126	68	1 962	4.02	52	77	17 773	51	13.34
1970 ASM.....	8 514	68	1 985	3.71	53	77	16 493	50	12.14
1969 ASM.....	7 972	70	1 997	3.50	51	76	16 081	50	11.45
1968 ASM.....	7 596	70	2 001	3.31	51	76	15 272	50	10.84
1967 CENSUS.....	7 167	71	1 989	3.12	52	76	14 325	50	10.12
1966 ASM.....	6 929	71	2 029	3.00	53	77	12 806	49	9.68
1965 ASM.....	6 672	72	2 036	2.89	63	91	13 446	50	9.26
1964 ASM.....	6 511	71	2 040	2.80	53	77	14 155	51	8.87
1963 ASM.....	6 242	71	2 006	2.71	(NA)	(NA)	12 088	52	8.53
CHICAGO-GARY, ILL.-IND., SCSA									
1977 CENSUS.....	15 068	65	1 967	6.63	56	77	31 613	48	24.54
1972 CENSUS.....	10 115	68	1 975	4.45	52	77	19 557	52	14.65

See footnotes at end of table.

Table 2b. Selected Operating Ratios for the State and Selected Standard Metropolitan Statistical Areas: 1977 and Earlier Years—Con.

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials as percent of value of shipments (percent)	Cost of materials and payroll as percent of value of shipments (percent)	Value added per employee (dollars)	Payroll as percent of value added (percent)	Value added per production worker hour (dollars)
CHICAGO SMSA									
1977 CENSUS.....	14 649	64	1 969	6.28	54	76	31 146	47	24.64
1976 ASM.....	13 554	63	1 937	5.86	53	76	27 951	48	22.77
1975 ASM.....	12 587	63	1 927	5.47	54	77	25 083	50	20.55
1974 ASM.....	11 471	65	1 964	4.99	55	78	23 116	50	18.04
1973 ASM.....	10 618	66	1 993	4.58	52	77	20 920	51	15.84
1972 CENSUS.....	9 965	67	1 976	4.32	51	76	19 320	52	14.70
1971 ASM.....	9 295	66	1 970	4.00	50	77	17 525	53	13.54
1970 ASM.....	8 687	66	1 988	3.88	51	78	16 054	54	12.19
1969 ASM.....	8 179	69	2 009	3.49	50	76	15 793	52	11.45
1968 ASM.....	7 742	69	2 015	3.30	50	76	14 934	52	10.76
1967 CENSUS.....	7 286	70	1 998	3.12	50	77	14 012	52	10.09
1966 ASM.....	7 046	70	2 037	2.99	52	77	13 901	51	9.70
1965 ASM.....	6 805	70	2 048	2.89	51	77	13 275	51	9.32
1964 ASM.....	6 619	69	2 047	2.80	51	77	12 696	52	9.00
1963 CENSUS.....	6 358	69	2 012	2.72	(NA)	(NA)	11 955	53	8.62
DAVENPORT-ROCK ISLAND-MOLINE, IOWA-ILL., SMSA									
1977 CENSUS.....	17 273	70	1 889	8.28	63	83	33 888	51	25.53
1976 ASM.....	15 470	70	1 876	7.45	62	81	32 164	48	24.34
1975 ASM.....	14 247	70	1 895	6.96	62	82	26 920	53	20.32
1974 ASM.....	13 179	73	1 961	6.20	62	84	25 117	52	17.65
1973 ASM.....	11 935	72	1 967	5.57	62	84	21 313	56	15.01
1972 CENSUS.....	11 113	71	1 936	5.21	61	84	20 436	54	14.77
1971 ASM.....	9 988	71	1 860	4.77	57	82	17 454	57	13.29
1970 ASM.....	8 783	71	1 871	4.23	57	81	15 945	55	12.04
1969 ASM.....	8 628	69	1 879	4.16	57	82	15 209	57	11.79
1968 ASM.....	7 985	73	1 828	4.09	54	78	15 689	51	11.77
1967 CENSUS.....	7 852	71	1 983	3.65	54	78	15 617	50	11.03
1966 ASM.....	7 813	73	2 079	3.49	57	81	14 267	55	9.40
1965 ASM.....	7 177	72	2 015	3.29	58	82	12 717	56	8.72
1964 ASM.....	6 936	73	2 018	3.17	59	83	12 406	56	8.40
1963 CENSUS.....	6 630	73	2 000	3.03	(NA)	(NA)	12 027	55	8.27
PEORIA SMSA									
1977 CENSUS.....	18 881	58	1 887	8.86	61	87	29 311	64	26.59
1976 ASM.....	16 836	63	1 890	8.25	60	82	35 733	54	26.31
1975 ASM.....	16 399	64	1 958	7.66	57	80	31 622	52	25.39
1974 ASM.....	14 910	65	1 987	6.94	59	82	28 133	53	21.89
1973 ASM.....	13 128	67	1 954	6.01	45	71	27 679	47	20.99
1972 CENSUS.....	11 566	67	1 960	5.24	43	70	25 363	46	19.30
1971 ASM.....	11 308	66	1 926	5.30	48	76	21 869	52	17.24
1970 ASM.....	9 976	68	1 929	4.57	49	76	19 187	52	14.55
1969 ASM.....	9 203	68	1 956	4.24	47	74	18 252	50	13.75
1968 ASM.....	8 697	67	1 984	3.99	46	72	18 019	48	13.58
1967 CENSUS.....	7 968	68	1 897	3.77	47	73	16 427	49	12.65
1966 ASM.....	7 914	69	2 016	3.56	51	76	15 804	50	11.39
1965 ASM.....	7 532	69	2 032	3.39	50	75	15 299	49	10.94
1964 ASM.....	7 278	70	2 010	3.30	52	77	14 252	51	10.12
1963 CENSUS.....	6 923	69	2 000	3.12	(NA)	(NA)	15 067	46	10.95
ROCKFORD SMSA									
1977 CENSUS.....	14 821	69	2 072	6.47	50	74	31 923	46	22.35
1976 ASM.....	13 310	70	1 969	6.00	52	74	29 552	45	21.45
1975 ASM.....	12 245	70	1 963	5.54	52	74	25 692	48	18.65
1974 ASM.....	11 109	73	1 990	4.99	52	75	23 592	47	16.17
1973 ASM.....	10 475	72	2 032	4.68	54	77	21 037	50	14.40
1972 CENSUS.....	9 700	72	2 060	4.18	53	76	20 297	48	13.72
1971 ASM.....	9 187	72	2 030	4.04	54	77	18 193	50	12.51
1970 ASM.....	8 480	73	2 003	3.72	53	76	16 738	51	11.53
1969 ASM.....	8 267	72	2 028	3.59	50	75	16 658	50	11.34
1968 ASM.....	7 800	72	2 069	3.39	53	77	15 246	51	10.20
1967 CENSUS.....	7 452	73	2 069	3.21	53	78	14 428	52	9.54
1966 ASM.....	7 265	74	2 125	3.09	47	72	14 536	50	9.24
1965 ASM.....	6 873	72	2 154	2.90	45	75	13 354	51	8.57
1964 ASM.....	6 509	72	2 120	2.78	44	75	12 071	54	7.88
1963 CENSUS.....	6 216	72	2 102	2.68	(NA)	(NA)	11 271	55	7.50
ST. LOUIS, MO.-ILL., SMSA									
1977 CENSUS.....	15 125	65	1 955	6.86	63	79	33 547	45	26.21
1976 ASM.....	14 048	65	1 969	6.31	61	79	30 604	46	24.04
1975 ASM.....	12 837	64	1 920	5.85	62	82	25 858	50	21.05
1974 ASM.....	12 100	66	1 946	5.32	60	81	24 515	49	19.22
1973 ASM.....	10 869	66	1 967	4.83	58	80	21 371	51	16.34
1972 CENSUS.....	10 180	66	1 970	4.50	57	79	20 258	50	15.60
1971 ASM.....	9 494	65	1 939	4.25	56	79	17 843	53	14.07
1970 ASM.....	8 588	66	1 961	3.89	56	80	16 222	55	12.52
1969 ASM.....	8 261	67	1 954	3.68	58	81	15 456	53	11.84
1968 ASM.....	7 963	75	1 820	3.95	59	81	15 221	52	11.20
1967 CENSUS.....	7 504	69	1 989	3.28	58	81	14 074	53	10.29
1966 ASM.....	7 204	69	2 010	3.14	58	80	14 197	51	10.27
1965 ASM.....	6 854	69	1 992	3.00	60	81	13 039	53	9.49
1964 ASM.....	6 635	69	2 015	2.90	59	81	12 429	53	8.97
1963 CENSUS.....	6 416	69	2 005	2.80	(NA)	(NA)	12 009	53	8.67

Note: For qualifications to data, see footnotes on table 2a.
(NA) Not available.

Table 3a. Summary Statistics for the State: 1977 and 1972

[For explanation of terms, see appendix B]

Item	Unit of measure	1977	1972
All establishments ¹ -----	number-----	19 517	18 617
With 1 to 19 employees-----	do-----	12 076	11 272
With 20 to 99 employees-----	do-----	5 009	4 885
With 100 employees or more-----	do-----	2 432	2 460
All employees, average for year ¹ -----	1,000-----	1 286.2	1 306.0
Payroll for year, all employees ¹ -----	mil. dollars--	18 740.8	13 799.5
Production workers:			
Average for year-----	1,000-----	857.8	900.9
March-----	do-----	845.7	879.0
May-----	do-----	857.9	892.5
August-----	do-----	861.6	908.9
November-----	do-----	864.3	923.2
Hours-----	millions-----	1 676.7	1 780.2
January to March-----	do-----	410.6	433.2
April to June-----	do-----	425.0	447.7
July to September-----	do-----	416.1	439.1
October to December-----	do-----	425.1	460.2
Wages-----	mil. dollars--	10 756.5	7 674.5
Cost of materials, etc. ² -----	do-----	53 342.1	28 139.3
Materials, parts, containers, etc., consumed-----	do-----	46 936.4	24 723.0
Resales-----	do-----	3 362.9	1 938.5
Fuels consumed-----	do-----	1 159.9	395.1
Purchased electric energy-----	do-----	781.6	365.6
Contract work-----	do-----	1 101.4	717.1
Value of shipments, including resales ² -----	do-----	93 081.3	53 544.3
Value of resales-----	do-----	4 500.6	2 612.8
Value added by manufacture-----	do-----	40 279.1	25 847.1
Manufacturers' inventories:			
Beginning of year-----	do-----	12 257.8	7 388.4
Finished products-----	do-----	4 334.7	2 770.9
Work in process-----	do-----	3 616.7	2 151.8
Materials, supplies, fuel, etc.-----	do-----	4 306.4	2 465.5
End of year-----	do-----	13 028.2	7 854.1
Finished products-----	do-----	4 469.3	2 885.3
Work in process-----	do-----	4 022.4	2 356.6
Materials, supplies, fuel, etc.-----	do-----	4 536.5	2 612.2
Capital expenditures for plant and equipment-----	do-----	2 818.3	1 654.7
New capital expenditures-----	do-----	2 661.5	1 564.0
New buildings and other structures-----	do-----	531.0	337.8
New machinery and equipment-----	do-----	2 130.5	1 226.2
Used capital expenditures-----	do-----	156.8	90.7

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies.

¹Including central administrative offices and auxiliaries (for definition, see appendix B).

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 3b. Supplemental State Statistics Based on Sample Estimates: 1977

(For explanation of terms, see appendix B. For description of annual survey of manufactures (ASM), see appendix F)

Item	Amount (million dollars)	Standard error of estimate (percent)	Item	Amount (million dollars)	Standard error of estimate (percent)
Gross value of depreciable assets:			Rental payments:		
Total:			Total.....	461.9	2
Beginning of year.....	26,442.2	1	Buildings and other structures.....	212.8	3
New capital expenditures.....	2,794.7	1	Machinery and equipment.....	248.9	3
Used capital expenditures.....	166.2	5			
Retirements.....	1,076.4	2	Depreciation charges during 1977:		
End of year.....	28,326.7	1	Total.....	1,750.9	1
Buildings and other structures:			Buildings and other structures.....	310.3	2
Beginning of year.....	7,622.0	1	Machinery and equipment.....	1,440.6	1
New capital expenditures.....	538.4	4			
Used capital expenditures.....	41.1	8	Supplemental labor costs:		
Retirements.....	173.1	4	Total.....	3,455.9	1
End of year.....	8,028.7	1	Legal costs.....	1,334.9	1
Machinery and equipment:			Voluntary costs.....	2,121.0	1
Beginning of year.....	18,820.7	1			
New capital expenditures.....	2,256.3	1	Purchased services:		
Automobiles, trucks, etc., for highway use...	53.0	(NA)	Cost of purchased services for the repair of--		
Computers and peripheral data processing equip.	39.0	(NA)	Buildings and other structures.....	(140.3)	42
All other.....	1,846.7	(NA)	Response coverage ratio (percent).....	62	(X)
New machinery and equipment, n.s.k.....	317.6	(NA)	Machinery.....	(726.9)	25
Used capital expenditures.....	124.8	5	Response coverage ratio (percent).....	64	(X)
Retirements.....	903.5	2	Cost of purchased communication services.....	(205.0)	25
End of year.....	20,298.3	1	Response coverage ratio (percent).....	64	(X)

Note: Expenditures data, shown in tables 2a, 3a, and 4-8, are census universe figures and may differ from ASM sample estimates shown in this table. Table 3b figures represent best estimate of year-to-year change as measured by continuing ASM sample, but are subject to sampling errors. Hence, as estimates of level, they are not as reliable as universe figures.

Figures in parentheses have standard errors of 15 percent or more. (NA) Not available. n.s.k. Not specified by kind. (S) Withheld because estimate did not meet publication standards. (X) Not applicable.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area		1977										1972		
		All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)						
E ¹														
Illinois -----	-	19 517	7 441	1 286.2	18 740.8	857.8	1 676.7	10 756.5	40 279.1	53 342.1	93 081.3	2 661.5	1 306.1	25 848.9
STANDARD CONSOLIDATED STATISTICAL AREAS														
Chicago-Gary, Ill.-Ind. -----	-	15 026	5 794	982.5	14 803.8	643.5	1 265.7	8 389.8	31 059.7	39 305.7	69 937.3	1 979.4	1 009.0	19 732.8
STANDARD METROPOLITAN STATISTICAL AREAS														
Bloomington-Normal -----	-	106	41	8.1	88.9	4.4	8.0	45.1	202.4	304.0	496.5	16.4	6.6	143.5
Champaign-Urbana-Rantoul -----	-	143	42	7.3	83.3	5.1	9.1	55.1	192.5	882.2	1 076.2	14.9	4.4	79.1
Chicago -----	-	14 547	5 604	884.3	12 953.9	567.8	1 118.0	7 022.8	27 542.1	31 441.8	58 567.9	1 448.9	909.6	17 573.8
Davenport-Rock Island-Moline, Iowa-Ill. -----	-	460	174	47.7	823.3	33.5	63.3	523.8	1 615.4	2 719.5	4 286.8	167.1	41.7	852.2
Portion in Illinois -----	-	273	105	30.4	531.8	20.9	39.5	325.3	1 047.8	1 625.1	2 682.6	74.6	26.5	544.9
Portion in Iowa -----	-	187	69	17.3	291.6	12.6	23.7	198.5	567.6	1 094.4	1 604.3	92.5	15.2	307.3
Decatur -----	-	139	52	19.1	305.9	13.9	25.7	204.0	695.6	1 608.0	2 336.9	64.3	19.7	409.0
Kankakee -----	-	115	52	11.2	156.3	7.6	14.7	100.0	463.7	546.8	994.4	31.3	11.0	373.0
Peoria -----	-	384	141	52.3	988.0	30.6	57.7	511.0	1 533.8	2 421.9	3 938.4	355.5	44.9	1 138.8
Rockford -----	-	723	261	50.0	740.6	34.4	71.4	461.5	1 595.2	1 552.3	3 107.5	119.3	53.6	1 087.9
St. Louis, Mo.-Ill. -----	-	3 358	1 231	248.7	3 761.1	162.8	318.2	2 183.4	8 342.0	13 910.5	22 232.8	464.9	256.4	5 190.0
Portion in Illinois -----	-	454	171	40.9	638.9	31.5	61.3	451.9	1 565.7	4 090.9	5 639.3	163.1	42.8	945.4
Portion in Missouri -----	-	2 904	1 060	207.7	3 122.2	131.3	257.0	1 731.5	6 776.3	9 819.6	16 593.6	301.7	213.6	4 244.6
Springfield -----	-	134	38	8.3	114.1	5.6	10.2	69.9	280.6	383.3	656.1	17.0	11.2	236.9
COUNTIES														
Adams -----	-	87	38	8.5	114.9	5.7	11.6	69.5	335.4	580.0	904.8	13.3	11.9	219.2
Alexander -----	-	22	6	1.1	10.3	0.9	1.9	7.8	18.4	37.7	54.9	3.1	1.1	12.3
Bond -----	-	17	6	0.4	4.6	0.3	0.6	2.5	9.8	11.2	21.0	0.2	0.4	9.0
Boone -----	-	40	18	5.4	95.6	4.2	9.0	70.2	183.0	495.5	672.1	(D)	(D)	(D)
Brown -----	-	4	-	(Z)	0.4	(Z)	0.1	0.3	1.4	2.6	4.0	(D)	(Z)	(NA)
Bureau -----	E1	56	17	2.6	29.3	2.1	3.8	20.8	73.5	113.9	183.9	2.4	2.6	47.2
Calhoun -----	E0	4	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(Z)	(NA)
Carroll -----	-	23	9	1.1	9.4	0.9	1.6	6.9	30.0	34.9	64.5	1.1	1.2	20.8
Cass -----	-	22	7	1.4	20.9	1.2	2.1	17.0	37.8	147.4	185.2	3.0	1.4	19.0
Champaign -----	-	143	42	7.3	83.3	5.1	9.1	55.1	192.5	882.2	1 076.2	14.9	4.4	79.1
Christian -----	-	36	18	2.0	21.9	1.4	2.6	13.3	56.0	202.4	258.6	2.0	2.0	37.9
Clark -----	-	22	8	1.2	10.6	1.0	1.9	7.3	39.9	23.8	62.4	1.1	0.6	18.0
Clay -----	-	24	6	0.7	6.6	0.6	1.2	4.7	18.5	46.4	66.2	0.7	1.3	15.9
Clinton -----	-	34	11	0.8	6.5	0.6	1.1	4.7	16.1	32.3	48.3	1.0	0.6	6.9
Coles -----	-	57	28	6.3	70.1	5.0	9.8	50.6	211.9	202.6	407.9	13.7	5.1	131.5
Cook -----	-	11 303	1 372	687.5	10 114.4	443.7	876.1	5 534.4	20 946.7	23 473.4	44 077.3	1 049.5	738.6	14 332.9
Crawford -----	-	32	16	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.8	82.8
Cumberland -----	E1	11	4	0.5	2.7	0.5	0.8	2.5	4.1	4.3	8.4	0.2	(D)	(D)
De Kalb -----	-	103	48	7.5	92.8	5.4	10.4	56.1	182.6	266.9	439.5	8.4	7.8	127.9
De Witt -----	-	23	7	1.2	14.5	1.0	1.3	10.3	32.8	49.0	82.2	3.9	1.0	19.5
Douglas -----	-	32	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Du Page -----	-	1 340	461	56.4	807.8	32.7	65.4	356.6	1 370.1	1 329.9	2 666.5	86.7	40.5	803.8
Edgar -----	-	27	9	2.0	18.6	1.7	3.2	13.4	38.6	82.3	120.8	1.6	2.6	27.3
Edwards -----	-	13	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Effingham -----	-	38	14	3.5	45.2	2.8	5.4	33.8	76.1	106.5	180.9	9.9	3.0	52.2
Fayette -----	-	25	6	1.2	10.4	1.1	2.0	9.1	18.6	25.3	43.1	1.5	0.9	8.9
Ford -----	-	23	11	1.0	11.1	0.8	1.5	7.5	11.3	123.4	141.7	2.3	0.8	15.8
Franklin -----	E2	42	7	0.7	7.0	0.6	1.1	4.7	15.8	23.4	38.3	0.6	0.9	12.1
Fulton -----	-	33	6	2.1	33.6	1.5	2.6	22.8	62.4	70.2	133.3	2.6	(D)	(D)
Gallatin -----	-	8	4	0.2	2.2	0.2	0.4	1.6	8.6	4.6	13.2	0.3	0.3	4.4
Greene -----	-	18	4	0.4	3.7	0.3	0.5	2.2	8.6	6.9	15.2	(D)	0.4	4.8
Grundy -----	-	42	27	3.1	43.6	2.2	4.5	26.9	96.8	297.1	385.5	(D)	2.4	47.5
Hamilton -----	E1	9	2	0.1	1.1	0.1	0.2	0.9	1.3	1.3	2.6	(D)	0.4	2.6
Hancock -----	-	27	6	0.6	5.9	0.5	0.9	3.8	14.5	24.5	38.9	1.0	0.5	7.9
Hardin -----	E2	3	-	(Z)	0.1	(Z)	(Z)	0.1	0.3	0.2	0.5	(D)	(D)	(D)
Henderson -----	E9	5	-	(Z)	0.1	(Z)	(Z)	(Z)	0.2	0.2	0.4	(Z)	(Z)	(NA)
Henry -----	-	68	27	3.7	45.1	2.5	4.4	28.2	96.8	287.0	384.2	3.8	3.0	60.5
Iroquois -----	E1	52	18	2.5	22.8	2.1	4.0	16.8	58.9	58.6	116.2	5.8	2.4	32.6
Jackson -----	-	44	9	1.6	14.4	1.2	2.5	9.6	34.1	50.5	85.2	2.4	2.0	28.8
Jasper -----	-	12	4	0.6	3.9	0.5	0.9	3.0	9.2	6.4	15.0	0.1	0.2	1.2
Jefferson -----	-	39	15	2.7	32.2	2.0	3.9	22.7	96.8	87.5	177.9	5.8	1.7	20.1
Jersey -----	E3	9	4	0.4	4.7	0.3	0.6	3.4	8.5	7.9	16.7	(D)	0.4	5.9
Jo Daviess -----	-	38	12	1.5	14.2	1.3	2.5	11.4	74.7	81.6	157.5	1.9	1.2	26.9
Johnson -----	E4	9	1	0.1	0.4	0.1	0.1	0.3	0.6	1.0	1.7	(Z)	0.1	0.7
Kane -----	-	604	272	45.7	647.4	31.2	60.5	390.3	1 562.5	1 750.5	3 310.6	106.1	44.7	780.8
Kankakee -----	-	115	52	11.2	156.3	7.6	14.7	100.0	463.7	546.8	994.4	31.3	11.0	373.0
Kendall -----	-	44	13	1.4	15.8	1.1	2.1	9.8	31.3	27.3	57.1	1.9	1.1	16.3
Knox -----	-	59	25	8.5	113.2	6.7	12.3	84.5	220.7	402.6	639.5	16.9	8.6	162.0
Lake -----	-	619	230	50.4	760.8	27.4	51.9	328.0	1 432.6	1 321.1	2 705.0	73.2	43.1	843.6
La Salle -----	-	155	66	14.3	201.4	11.4	22.7	153.1	408.1	462.0	863.9	26.9	15.7	293.1
Lawrence -----	-	21	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Lee -----	-	44	24	3.0	34.7	2.4	4.6	24.9	87.8	92.6	183.7	4.0	2.1	48.8
Livingston -----	-	55	22	3.4	38.9	2.8	5.4	28.9	98.0	152.7	250.9	4.5	3.8	57.2
Logan -----	-	30	10	2.4	27.4	2.0	4.0	21.8	83.4	89.2	172.4	3.6	2.5	100.2
McDonough -----	-	37	14	2.4	26.8	2.0	4.1	21.7	60.6	49.4	107.4	2.9	2.1	35.8
McHenry -----	-	353	132	18.5	205.6	14.2	27.0	140.0	505.8	513.7	1 033.2	31.7	17.2	282.8
McLean -----	-	106	41	8.1	88.9	4.4	8.0	45.1	202.4	304.0	496.5	16.4	6.6	143.5
Macon -----	-	139	52	19.1	305.9	13.9	25.7	204.0	695.6	1 608.0	2 336.9	64.3	19.7	409.0
Macoupin -----	-	42	13	1.0	10.4	0.7	1.4	6.0	22.7	37.7	60.2	1.4	1.0	15.1
Madison -----	-	209	83	29.3	482.1	22.7	44.4	342.3	1 159.0	3 336.2	4 488.3	115.6	30.3	705.6
Marion -----	-	49	23	3.9	39.1	3.1	5.9	28.2	106.8	84.3	190.5	20.3	3.3	56.3

See footnotes at end of table.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area	1977											1972		
	E1	All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)						
COUNTIES—Con.														
Marshall	-	14	7	0.7	10.5	0.6	1.1	7.1	24.8	76.1	98.5	(D)	0.7	21.5
Mason	-	18	7	0.7	8.4	0.5	1.0	5.8	17.1	43.7	59.0	3.4	0.6	12.6
Massac	-	15	6	1.1	13.5	0.9	1.7	9.6	47.4	32.5	80.1	1.4	0.8	23.4
Menard	E1	9	2	0.2	2.2	0.2	0.3	1.8	9.0	5.8	14.6	0.5	(D)	(D)
Mercer	-	14	2	0.2	1.4	0.1	0.2	0.9	2.9	2.4	5.1	0.3	0.1	1.0
Monroe	E2	15	1	0.1	1.0	0.1	0.1	0.5	1.9	2.8	4.7	0.3	0.1	0.8
Montgomery	-	41	17	2.3	23.1	1.8	3.4	16.8	58.7	84.8	142.0	2.1	1.7	24.0
Morgan	-	39	13	3.5	39.9	2.7	5.2	26.0	202.4	239.0	438.0	8.8	3.5	126.4
Moultrie	-	24	10	1.0	8.9	0.8	1.4	6.1	26.8	29.2	53.8	0.7	1.2	19.7
Ogle	-	69	35	5.3	66.3	3.9	8.0	46.3	156.6	329.0	479.7	6.3	6.6	105.6
Peoria	-	238	92	32.9	637.0	15.4	29.1	253.2	735.4	1 416.4	2 128.7	235.2	23.3	385.3
Perry	-	31	12	2.3	22.0	1.9	3.7	16.7	57.8	80.0	135.4	2.6	2.3	28.0
Piatt	-	15	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.6	26.0
Pike	-	21	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.5	11.4
Pope	E1	4	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Pulaski	-	7	3	0.1	1.3	0.1	0.2	0.9	2.3	3.3	5.5	(D)	0.2	1.5
Putnam	-	7	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Randolph	-	31	14	4.2	49.0	3.6	7.5	40.3	109.9	172.6	279.8	4.9	2.9	57.1
Richland	-	25	8	2.1	18.6	1.7	3.1	12.6	37.7	42.7	79.5	1.8	2.0	16.9
Rock Island	-	205	78	26.7	486.7	18.4	35.1	297.2	951.0	1 338.0	2 298.4	70.8	23.6	484.4
St. Clair	-	196	76	10.8	149.3	8.1	15.6	104.4	388.8	719.6	1 098.0	46.2	11.8	211.4
Saline	E1	23	4	0.4	3.3	0.3	0.5	2.2	5.8	8.3	13.9	0.5	0.3	4.2
Sangamon	-	125	36	8.1	112.0	5.5	9.9	68.1	271.6	377.6	641.5	16.5	(D)	(D)
Schuyler	-	8	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Scott	E3	4	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.1	1.2
Shelby	-	15	4	0.5	2.8	0.4	0.8	1.7	6.4	10.9	16.8	1.1	0.2	3.8
Stark	E1	9	4	0.2	2.4	0.2	0.4	1.5	6.5	17.9	24.6	0.3	0.2	3.3
Stephenson	-	68	27	8.7	104.6	6.2	12.2	64.2	248.0	208.0	451.9	12.5	9.2	164.7
Tazewell	-	109	31	18.1	334.7	14.2	26.8	247.0	760.2	954.4	1 721.5	104.9	20.8	737.3
Union	-	15	7	1.0	11.0	0.9	1.9	9.3	30.3	31.9	62.4	(D)	1.1	20.0
Vermilion	-	142	64	14.1	200.2	10.6	20.4	139.0	414.0	591.3	1 007.5	22.4	14.4	287.5
Wabash	-	13	5	1.3	15.9	1.1	2.1	12.7	51.6	18.4	70.7	(D)	1.0	30.0
Warren	-	26	7	1.3	14.0	1.0	1.9	10.5	21.7	115.2	136.6	1.3	1.3	16.8
Washington	-	12	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	10.9
Wayne	-	18	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
White	-	18	4	0.5	3.1	0.5	0.8	1.6	5.1	6.7	11.5	0.8	0.5	3.8
Whiteside	-	70	29	9.9	161.2	8.0	15.0	119.7	300.1	268.3	582.2	14.9	10.0	239.7
Will	-	328	137	25.9	417.8	18.7	37.1	273.6	1 724.2	3 053.2	4 775.3	101.6	25.4	529.9
Williamson	E1	56	17	3.6	37.1	2.8	5.1	25.8	72.3	78.6	146.4	4.6	4.0	50.2
Winnebago	-	683	243	44.5	645.0	30.2	62.4	391.3	1 412.2	1 056.8	2 435.4	(D)	(D)	(D)
Woodford	-	37	18	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.8	16.1
CITIES														
Addison	E1	309	101	7.1	91.1	5.5	10.9	59.7	191.5	178.6	370.1	10.0	5.9	105.9
Algonquin	-	16	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Alsip	-	78	36	2.9	43.7	1.8	3.5	22.4	114.2	132.5	245.1	4.6	2.3	95.0
Alton	-	38	15	6.6	113.9	5.1	9.8	84.4	191.8	215.2	408.6	13.0	8.0	140.9
Anna	-	8	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Antioch	E1	44	12	1.5	16.5	1.2	2.3	11.0	36.4	28.5	64.5	1.9	1.5	26.2
Arlington Heights	-	86	20	2.9	35.8	1.7	3.4	17.0	97.0	56.2	151.7	4.0	2.5	40.6
Aurora	-	157	69	16.0	238.4	11.3	21.6	149.4	645.3	803.5	1 455.5	48.2	16.0	275.8
Barrington	-	46	14	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.0	46.0
Bartlett	-	10	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	8.6
Bartonville	-	10	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Batavia	-	40	20	2.5	30.5	1.5	2.8	13.3	61.0	38.4	99.4	1.5	2.3	56.0
Beardstown	-	14	6	1.3	19.7	1.1	2.0	16.1	35.3	143.3	178.6	(D)	1.3	18.5
Bedford Park	-	67	54	12.9	189.9	8.4	17.1	112.3	602.0	479.6	1 070.6	28.0	(NA)	(NA)
Belleville	-	61	19	2.1	23.9	1.6	2.8	16.1	56.0	67.6	123.0	2.4	2.0	25.1
Bellwood	-	61	34	6.3	91.5	4.9	9.9	64.2	190.7	133.6	318.1	6.2	6.8	119.6
Belvidere	-	27	14	4.5	81.2	3.7	8.0	64.0	161.5	478.2	633.4	(D)	(D)	(D)
Bensenville	E2	148	41	4.3	55.3	3.2	6.3	34.8	102.7	92.3	194.3	9.4	1.9	35.3
Berkeley	-	13	7	0.5	7.2	0.4	0.9	4.9	12.8	13.7	25.7	0.7	0.6	9.5
Bloomington	-	60	29	6.8	74.4	3.5	6.4	36.4	159.9	251.7	406.3	13.8	5.8	124.5
Blue Island	-	48	25	3.6	45.7	2.8	5.7	31.8	101.2	102.2	202.5	6.8	3.9	94.9
Bradley	-	14	7	2.0	26.1	1.5	2.8	18.1	37.6	139.2	169.5	(D)	2.8	76.6
Bridge View	-	55	23	2.5	33.7	1.9	3.8	24.2	108.4	129.1	236.3	4.5	2.4	75.0
Broadview	-	76	47	4.6	66.0	3.3	6.6	41.8	146.0	139.8	280.6	11.8	4.2	96.2
Bushnell	-	9	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Cairo	-	19	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.0	11.7
Canton	-	10	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Carbondale	-	20	6	1.0	8.2	0.7	1.3	4.6	23.4	23.6	47.5	(D)	0.7	13.6
Carol Stream	-	36	19	4.0	50.7	2.6	5.0	26.6	113.0	107.2	219.7	4.4	2.4	37.1
Carpentersville	E1	25	16	1.8	24.0	1.2	2.4	14.8	53.8	72.1	124.6	9.3	2.1	45.0
Cary	-	30	11	1.1	10.2	0.7	1.4	5.7	48.4	54.6	104.2	2.6	(D)	(D)
Centralia	-	22	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.0	34.8
Champaign	-	69	22	2.5	25.9	1.5	2.7	14.2	54.1	37.5	91.1	5.3	2.9	42.6
Charleston	-	18	10	2.1	20.3	1.7	3.0	15.2	73.9	99.6	170.0	6.0	1.2	48.4
Chester	-	7	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Chicago	-	6 378	2 417	366.0	5 299.2	241.2	471.4	2 911.5	10 599.8	12 729.2	23 191.6	491.2	430.6	8 032.5
Chicago Heights	-	95	44	8.5	123.7	6.5	12.4	85.9	292.6	411.8	694.7	15.1	8.0	167.0
Chicago Ridge	E1	19	8	0.7	8.0	0.5	1.0	4.9	13.2	18.1	32.9	0.7	0.8	10.6
Cicero	-	180	87	22.4	336.8	16.0	30.6	222.0	598.1	563.3	1 170.7	22.6	33.6	559.5
Clinton	-	15	5	1.0	13.4	0.8	1.1	9.4	30.6	47.0	78.0	3.6	(D)	(D)

See footnotes at end of table.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area	E ¹	1977										1972		
		All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)						
CITIES—Con.														
Countryside	E1	24	9	0.6	9.4	0.4	0.7	4.6	15.5	9.5	25.4	1.5	0.6	5.7
Crystal Lake	E3	73	23	4.6	52.1	3.6	7.0	37.4	111.1	67.5	174.9	9.2	3.6	59.9
Danville	-	90	41	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	9.5	193.3
Decatur	-	109	42	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Deerfield	-	29	10	2.9	50.0	1.3	2.5	18.2	124.0	163.4	289.4	7.5	3.7	69.3
De Kalb	-	37	18	2.7	34.5	1.9	3.7	21.6	86.1	98.8	180.6	3.6	3.0	59.3
Des Plaines	-	195	109	15.5	233.9	7.9	15.5	89.5	419.2	332.9	721.1	16.4	10.6	189.7
Dixon	-	30	16	2.2	24.5	1.6	3.0	16.6	60.5	57.6	120.6	2.9	1.7	40.6
Dolton	-	33	10	1.9	34.6	1.3	2.8	18.9	51.2	63.0	114.0	1.8	1.6	26.8
Downers Grove	-	67	28	4.2	52.9	2.8	5.5	30.0	116.2	80.0	196.0	4.7	3.5	58.1
Du Quoin	-	16	8	1.7	16.2	1.3	2.6	12.1	35.2	62.9	96.9	1.6	1.4	13.5
Dwight	-	3	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
East Alton	-	11	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
East Chicago Heights	-	1	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
East Moline	-	29	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	8.5	201.7
East Peoria	-	29	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
East St. Louis	-	48	21	3.1	42.3	2.3	4.3	30.6	75.0	165.7	242.1	6.1	3.2	46.7
Effingham	-	23	11	3.3	42.8	2.7	5.1	32.8	72.0	93.9	164.2	(D)	2.7	48.8
Elgin	-	153	65	9.2	124.4	5.5	10.6	63.3	205.0	190.9	395.7	18.2	6.6	92.5
Elk Grove Village	-	436	168	15.0	216.8	10.6	22.2	130.3	465.8	494.7	947.0	29.8	11.8	257.7
Elmhurst	-	70	39	2.7	42.7	1.5	2.9	18.5	66.1	40.9	106.3	4.1	2.3	31.4
Evanston	-	113	45	5.9	85.9	2.8	5.4	27.7	113.6	105.6	222.6	11.2	6.0	118.9
Fairbury	-	17	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Fairfield	-	9	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Forest Park	-	45	17	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.0	16.3
Frankfort	-	18	9	0.9	12.0	0.7	1.5	8.2	34.9	26.5	61.3	1.9	(NA)	(NA)
Franklin Park	-	331	136	21.1	281.7	14.7	29.8	169.3	666.5	818.1	1 485.1	31.2	19.7	484.7
Freeport	-	47	23	8.4	102.1	5.9	11.8	62.7	240.7	185.3	422.1	12.0	9.0	161.9
Galesburg	-	48	23	8.1	108.7	6.4	11.7	80.7	214.6	397.0	628.0	16.7	7.9	150.8
Galva	-	13	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	7.6
Geneseo	-	9	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Geneva	-	37	20	2.4	35.5	1.6	3.4	19.6	57.5	48.9	106.0	2.8	3.1	40.0
Genoa	-	9	5	1.2	13.1	1.0	2.0	9.5	26.2	27.3	51.5	0.8	1.6	20.1
Gibson	-	7	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Glendale Heights	-	8	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Glenview	-	31	7	3.2	55.8	0.3	0.5	3.1	81.2	30.0	110.1	(D)	(D)	(D)
Granite City	-	39	18	9.2	165.9	7.4	14.3	117.1	398.9	569.4	963.9	22.9	8.9	246.6
Grayslake	E1	20	9	1.0	11.0	0.6	1.3	5.6	15.3	19.5	34.9	0.6	0.9	12.6
Gurnee	-	16	9	1.3	16.2	0.9	1.8	10.2	38.3	36.0	72.8	2.8	0.8	15.4
Harvard	-	20	10	1.4	15.1	1.1	1.9	9.2	37.2	85.6	147.4	1.4	(D)	(D)
Harvey	-	43	16	5.7	91.7	4.1	8.5	63.4	182.4	243.5	441.4	8.7	5.7	99.7
Harwood Heights	E1	51	31	3.0	37.2	2.1	4.4	21.9	65.0	52.3	118.5	2.8	3.0	50.9
Havana	-	10	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Herrin	-	21	10	2.9	29.8	2.3	4.2	21.6	54.9	65.3	116.8	3.4	3.0	41.3
Highland	-	25	13	1.7	17.2	1.1	2.2	10.4	51.6	34.6	86.0	1.7	1.4	26.7
Highland Park	-	43	11	1.1	12.3	0.8	1.6	7.5	17.9	59.7	77.6	1.7	1.1	20.3
Hillside	-	37	13	0.9	13.5	0.7	1.3	8.1	21.2	20.3	41.6	2.3	0.9	16.2
Hinsdale	-	15	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	7.6
Hoopeston	-	12	9	1.7	18.9	1.4	2.5	13.3	46.8	58.3	104.9	1.3	1.8	32.9
Itasca	-	33	19	1.8	26.4	1.0	2.1	12.1	63.7	72.3	136.1	5.5	0.7	18.1
Jacksonville	-	30	12	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Joliet	-	108	37	6.7	102.9	4.6	8.9	64.1	796.9	1 225.0	2 027.5	28.3	9.5	153.9
Kankakee	-	46	24	5.3	78.1	3.4	6.7	48.7	270.6	270.9	534.6	15.5	6.2	218.2
Kewanee	-	24	13	2.1	24.5	1.3	2.2	13.5	46.5	44.1	91.2	1.3	2.1	45.6
La Grange Park	-	6	4	0.6	5.7	0.5	0.9	4.0	12.3	9.3	20.9	(D)	(NA)	(NA)
La Grange	E2	28	10	1.0	11.3	0.7	1.3	6.5	23.8	20.2	43.5	(D)	0.8	13.4
Lake Zurich	-	20	13	1.5	18.9	1.0	2.0	10.6	60.0	64.5	119.0	2.2	1.4	34.8
Lansing	-	44	11	1.6	20.4	1.2	2.3	13.0	41.4	73.9	113.9	3.3	1.5	24.2
La Salle	-	20	10	3.4	41.1	2.6	5.1	27.9	58.2	72.8	129.4	6.4	3.3	37.7
Lawrenceville	-	17	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Libertyville	-	42	16	3.6	51.2	2.3	4.1	30.4	118.0	123.3	245.0	2.8	5.0	79.2
Lincoln	-	22	9	2.3	26.6	2.0	3.9	21.3	81.9	86.2	167.9	(D)	2.2	94.7
Lincolnwood	-	56	28	7.2	114.8	3.7	7.6	41.6	129.7	120.0	237.5	5.7	4.0	61.3
Lisle	-	22	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Litchfield	-	24	12	1.5	15.6	1.2	2.3	11.0	40.2	59.6	98.3	1.5	1.0	14.0
Lockport	-	18	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Lombard	E2	41	10	0.8	9.4	0.5	1.0	6.2	19.4	16.2	35.3	1.8	0.6	12.5
Loves Park	-	53	18	2.2	30.6	1.6	3.1	19.0	60.1	47.2	104.8	(D)	(D)	(D)
Lyons	-	41	15	1.3	16.9	0.9	2.0	9.2	49.6	75.8	106.9	2.0	1.3	25.1
McHenry	-	35	6	1.0	11.4	0.7	1.5	7.2	25.8	20.0	44.8	1.5	1.3	21.0
Macomb	-	20	7	1.8	19.4	1.5	3.1	16.0	46.0	27.6	71.5	2.3	1.1	14.1
Madison	-	9	4	0.9	13.5	0.7	1.3	10.1	5.1	78.0	80.7	(D)	0.6	10.8
Marengo	-	13	7	1.6	20.4	1.2	2.5	13.8	48.4	37.4	84.4	2.1	1.2	24.9
Marseilles	-	9	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.7	9.6
Marshall	-	10	3	0.7	4.8	0.6	1.0	2.8	13.2	9.1	21.5	0.2	(NA)	(NA)
Matteson	-	10	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Mattoon	-	31	15	3.8	43.8	3.0	6.1	31.0	118.6	91.2	208.0	6.9	3.9	82.1
Maywood	E2	41	11	0.9	11.5	0.5	1.0	5.9	17.0	23.8	40.5	2.6	1.9	29.1
Melrose Park	-	130	70	12.1	185.6	8.0	16.0	115.3	412.7	449.5	876.0	20.1	16.1	267.8
Mendota	-	14	6	1.6	19.6	1.2	2.4	12.3	36.8	52.8	87.3	2.5	1.1	18.9
Metropolis	-	13	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Milan	-	21	8	0.6	7.1	0.4	0.8	4.2	20.7	75.4	96.2	1.1	(D)	(D)
Moline	-	65	28	6.3	108.6	4.6	8.8	71.8	220.3	211.1	451.8	11.8	6.8	142.8

See footnotes at end of table.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area	1977											1972		
	E ¹	All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)						
CITIES—Con.														
Monmouth	-	21	6	1.2	13.5	1.0	1.8	10.2	20.7	114.0	134.4	(D)	(D)	(D)
Montgomery	-	19	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	4.4	83.9
Morris	-	25	18	1.9	30.1	1.2	2.6	17.9	70.0	184.9	251.1	(D)	1.9	42.0
Morrison	-	12	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Morton Grove	-	57	24	8.5	132.6	4.0	7.4	49.2	488.5	194.2	676.3	9.4	6.2	280.1
Morton	-	20	9	0.7	10.1	0.6	1.2	6.8	29.6	29.0	58.8	1.4	0.7	13.3
Mount Carmel	-	13	5	1.3	15.9	1.1	2.1	12.7	51.6	18.4	70.7	(D)	1.0	30.0
Mount Morris	-	8	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.4	19.8
Mount Prospect	-	48	18	3.9	57.6	1.9	4.1	25.3	151.0	109.8	264.8	14.8	2.8	91.3
Mount Vernon	-	35	14	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Mundelein	-	53	25	3.8	49.9	2.6	5.3	28.8	100.7	119.9	217.1	4.2	2.4	46.1
Murphysboro	-	12	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.2	14.8
Naperville	-	41	20	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	4.2	22.4
Newton	-	12	4	0.6	3.9	0.5	0.9	3.0	9.2	6.4	15.0	0.1	(NA)	(NA)
Niles	-	103	51	12.1	176.7	7.2	13.9	83.3	340.0	275.2	612.8	11.8	11.3	217.6
Norridge	E1	19	11	0.9	9.6	0.7	1.5	6.6	18.2	20.7	39.5	1.6	0.8	12.8
North Aurora	-	19	7	0.9	13.1	0.6	1.3	8.2	35.1	101.4	134.5	0.8	1.2	25.1
Northbrook	-	110	43	5.5	73.7	3.2	6.5	36.8	172.6	161.7	328.7	14.7	3.2	68.2
North Chicago	-	34	15	10.3	168.8	3.5	6.8	45.6	446.3	170.8	611.6	13.2	8.2	241.2
Northfield	-	28	10	1.0	16.8	0.5	1.1	6.2	31.2	35.6	65.9	1.8	1.0	24.8
Northlake	-	28	13	10.5	143.1	5.9	11.2	66.0	269.8	436.8	687.0	11.8	12.3	191.0
Oak Brook	-	55	26	6.1	99.3	2.4	4.9	18.9	45.4	78.7	121.1	2.7	1.7	17.4
Oak Lawn	E1	34	6	0.6	8.0	0.5	1.0	5.4	17.4	14.7	32.1	0.8	0.7	10.3
Olney	-	18	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Oregon	-	17	9	0.8	9.0	0.6	1.2	6.0	24.9	24.5	47.8	0.9	0.7	11.6
Ottawa	-	29	10	2.8	51.2	2.4	5.1	43.7	105.3	80.5	184.7	(D)	3.1	92.4
Palatine	-	65	26	2.5	32.9	1.6	2.9	17.4	61.6	74.7	133.8	7.2	1.2	22.2
Paris	-	18	8	1.8	16.3	1.5	2.9	12.4	33.3	74.4	107.8	1.2	(D)	(D)
Park Forest South	-	6	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Park Forest	-	8	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Park Ridge	E4	43	7	0.6	11.2	0.1	0.3	1.4	8.8	8.8	17.6	0.2	0.5	5.2
Pekin	-	24	6	1.7	26.5	1.1	2.2	18.1	49.8	90.8	141.6	(D)	2.0	33.8
Peoria	-	162	62	21.3	420.1	6.8	13.0	105.9	365.4	781.5	1 141.1	22.4	14.2	201.1
Peoria Heights	-	13	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Peru	-	16	9	0.8	12.1	0.6	1.2	8.4	46.8	65.8	108.8	3.2	0.7	21.6
Pinckneyville	-	13	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Plainfield	-	23	11	1.1	16.4	0.9	1.8	10.5	36.9	35.2	71.6	2.0	0.9	24.2
Plano	-	17	8	0.8	8.9	0.7	1.5	6.6	19.3	16.3	34.5	1.5	0.9	12.5
Pontiac	E1	20	8	1.8	19.7	1.5	2.8	15.1	47.4	36.3	83.4	1.9	2.4	32.7
Princeton	-	13	5	1.3	14.0	1.1	1.9	10.6	39.7	26.0	64.5	(D)	(D)	(D)
Quincy	-	68	28	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Red Bud	-	4	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Riverdale	-	22	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.8	96.0
River Grove	-	36	11	0.9	10.0	0.7	1.3	7.0	19.4	19.9	40.7	0.6	1.5	22.5
Robinson	-	17	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Rochelle	-	23	15	2.8	37.6	2.1	4.4	26.7	84.5	255.5	337.5	4.2	3.5	58.2
Rock Falls	-	20	9	0.8	11.0	0.6	1.2	7.4	23.5	27.8	50.9	1.1	0.7	14.9
Rockford	-	466	165	32.9	474.0	21.8	45.1	280.9	940.5	741.4	1 658.6	61.7	36.2	667.7
Rock Island	-	69	28	7.3	109.3	5.5	10.1	76.2	241.2	548.5	786.3	(D)	7.2	115.9
Rolling Meadows	-	42	23	4.7	78.3	1.3	2.8	14.2	77.3	49.0	123.4	6.7	3.6	25.3
Romeoville	-	6	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Roselle	-	17	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.8	13.2
Rosemont	E1	81	22	1.5	20.5	1.0	2.3	12.6	41.0	38.9	80.0	3.7	3.6	57.4
St. Charles	-	64	27	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	4.3	69.3
Salem	-	12	8	1.1	12.8	0.8	1.6	9.3	32.5	18.8	49.9	(D)	0.9	16.8
Sandwich	-	12	6	0.9	8.4	0.8	1.4	6.0	14.0	13.9	28.3	0.6	0.7	7.6
Schaumburg	-	122	26	9.5	135.1	4.1	8.7	46.0	234.5	139.2	376.0	8.3	(D)	(D)
Schiller Park	E1	120	70	5.9	81.3	4.3	8.3	49.4	194.1	177.3	363.3	11.0	5.3	95.3
Skokie	-	284	101	20.4	311.8	10.2	19.8	124.5	625.4	471.4	1 076.9	30.6	24.2	368.6
South Beloit	-	33	12	2.4	33.8	1.7	3.3	20.0	81.7	51.5	131.1	4.1	2.7	51.4
South Chicago Heights	E1	17	6	0.5	5.5	0.4	0.7	3.2	13.4	15.1	28.4	0.9	0.6	15.7
South Elgin	-	16	9	0.9	12.6	0.8	1.7	9.7	23.5	22.6	46.7	1.6	0.7	11.3
South Holland	-	65	19	1.3	16.9	0.9	1.8	10.2	43.4	62.2	103.7	2.6	1.0	17.9
Sparta	-	6	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.9	35.7
Springfield	-	91	29	7.5	102.9	5.0	8.9	62.2	250.3	294.2	536.6	(D)	10.2	210.1
Sterling	-	19	8	5.6	107.6	4.5	8.3	80.7	213.0	170.8	397.4	10.8	5.6	161.7
Streamwood	-	17	5	0.7	7.8	0.5	1.1	5.4	19.0	17.6	36.0	2.6	0.6	11.4
Streator	-	28	13	3.8	52.3	3.3	6.1	42.6	105.6	75.1	184.5	6.9	4.6	76.8
Summit	-	20	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.6	73.2
Sycamore	-	21	12	2.3	32.3	1.4	2.6	15.9	48.7	117.3	161.7	2.5	2.1	34.5
Taylorville	-	17	10	1.3	15.6	1.0	1.8	9.9	41.1	68.4	110.1	1.7	1.2	20.3
Tilton	-	6	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Tinley Park	-	19	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Tuscola	-	4	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Vandalia	-	12	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.8	8.1
Villa Park	E2	104	19	1.4	18.4	1.1	2.4	11.4	46.4	35.0	78.4	2.8	0.9	19.9
Watseka	-	19	9	1.3	13.9	1.0	1.9	10.0	37.6	36.3	73.6	(D)	(D)	(D)
Waukegan	-	89	34	10.1	170.9	6.6	11.9	98.3	281.4	348.6	600.3	19.8	10.1	182.6
West Chicago	-	48	14	2.0	28.6	1.5	3.2	19.1	82.3	108.9	189.0	8.9	0.5	9.3
West Frankfort	-	12	4	0.5	4.2	0.4	0.7	3.1	9.5	12.3	21.0	0.2	(NA)	(NA)
Wheaton	E1	42	8	1.2	15.5	0.7	1.3	6.7	30.8	23.7	54.5	1.0	1.0	26.9
Wheeling	-	106	43	4.3	53.2	3.1	6.2	31.4	125.1	108.5	231.4	5.6	3.0	62.7
Wilmette	E1	24	3	0.6	9.2	0.2	0.4	2.3	12.1	6.0	17.9	1.1	(D)	(D)

See footnotes at end of table.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area	1977											1972		
	E ¹	All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)						
CITIES—Con.														
Wilmington	-	6	4	0.8	10.1	0.5	1.3	6.7	54.0	36.1	88.5	4.5	(D)	(D)
Wood Dale	E4	31	9	0.6	6.9	0.4	0.9	3.4	9.5	7.2	16.6	0.6	(NA)	(NA)
Wood River	-	8	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Woodstock	-	57	17	2.3	25.5	1.9	3.4	18.2	46.0	52.3	100.3	3.7	1.9	29.6
Zion	-	17	9	0.6	7.2	0.4	0.8	4.1	22.3	17.0	39.2	0.9	0.5	4.5

- Represents zero.

(D) Withheld to avoid disclosing operations of individual companies.

(NA) Not available.

(Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Including central administrative offices and auxiliaries (for definition, see appendix B).

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977												1972	
		E ¹	All estab- lishments	All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital ex- pendi- tures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)	
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)							Wages (million dollars)
	All industries -----	-	19 517	7 441	1 286.2	18 740.8	857.8	1 676.7	10 756.5	40 279.1	53 342.1	93 081.3	2 661.5	1 306.0	25 847.1
20	Food and kindred products -----	-	1 270	599	103.9	1 439.3	74.7	150.4	950.2	4 725.6	10 193.1	14 938.2	261.4	112.3	3 128.3
201	Meat products -----	-	218	82	14.6	218.0	12.1	24.1	170.1	426.9	2 043.9	2 462.8	25.0	16.5	306.7
2011	Meat packing plants -----	-	105	33	6.1	94.4	5.1	10.2	76.2	167.1	1 278.4	1 443.6	7.4	7.2	133.2
2013	Sausages and other prepared meats -----	-	99	43	7.5	117.3	6.2	12.4	89.0	247.3	732.5	973.0	17.2	7.9	161.6
2016	Poultry dressing plants -----	E1	7	2	0.3	1.9	0.2	0.5	1.5	3.2	6.9	9.9	0.1	0.8	5.4
2017	Poultry and egg processing --	-	7	4	0.6	4.4	0.5	1.0	3.4	9.3	26.1	36.3	0.3	0.6	6.5
202	Dairy products -----	-	154	84	6.6	94.7	3.7	7.5	47.6	340.8	745.4	1 085.3	19.3	9.7	242.6
2022	Cheese, natural and processed -----	E1	36	15	0.9	8.9	0.8	1.4	6.4	30.3	128.5	158.2	1.3	2.1	25.3
2023	Condensed and evaporated milk -----	-	20	14	1.1	14.5	0.8	1.7	9.8	91.4	109.1	200.7	(D)	CC	(D)
2024	Ice cream and frozen desserts -----	-	35	17	1.2	19.4	0.7	1.4	8.9	63.7	112.2	175.7	(D)	1.3	26.7
2026	Fluid milk -----	E1	58	37	3.3	51.3	1.4	2.9	22.0	154.6	381.5	535.3	10.2	5.2	131.5
203	Preserved fruits and vegetables -----	-	119	56	10.8	129.2	8.5	16.1	91.0	456.4	1 002.5	1 459.0	25.2	10.4	234.1
2032	Canned specialties -----	-	16	5	2.0	23.7	1.6	3.0	18.1	65.1	123.1	188.3	2.0	EE	(D)
2033	Canned fruits and vegetables -----	E1	30	15	1.6	15.4	1.5	3.0	13.1	41.3	82.7	123.9	4.3	2.4	49.9
2034	Dehydrated fruits, vegetables, and soups -----	-	8	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	3.5
2035	Pickles, sauces, and salad dressings -----	-	23	10	3.1	38.4	2.7	4.7	31.1	146.6	601.6	748.3	10.7	1.0	24.7
2037	Frozen fruits and vegetables -	-	6	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2038	Frozen specialties -----	E1	36	17	3.0	38.6	1.9	3.8	20.6	121.1	144.3	265.4	5.3	4.1	93.0
204	Grain mill products -----	-	146	67	14.4	212.1	10.6	22.3	152.4	921.8	1 545.8	2 474.5	74.8	15.1	520.0
2041	Flour and other grain mill products -----	-	17	9	1.5	22.4	1.1	2.2	16.5	84.4	233.7	318.3	5.2	1.7	53.0
2043	Cereal breakfast foods -----	-	5	5	2.2	36.8	1.8	4.0	28.8	162.8	147.0	308.0	10.7	EE	(D)
2045	Blended and prepared flour --	E1	16	9	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.6	27.2
2046	Wet corn milling -----	-	4	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
2047	Dog, cat, and other pet food -	-	18	10	2.3	36.7	1.7	3.6	24.4	187.3	193.4	380.5	(D)	2.6	125.8
2048	Prepared feeds, n.e.c. -----	-	86	31	2.2	27.8	1.5	3.0	17.0	177.7	436.0	614.4	7.1	2.8	111.0

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
20	Food and kindred products—Con.														
205	Bakery products -----	-	173	74	16.1	220.8	10.6	22.4	137.1	584.6	424.7	1 008.6	13.6	18.2	430.3
2051	Bread, cake, and related products -----	-	148	59	10.1	144.9	5.5	11.9	75.5	311.8	241.7	553.4	11.4	11.7	237.0
2052	Cookies and crackers -----	-	25	15	6.0	76.0	5.1	10.5	61.6	272.8	183.0	455.2	2.2	6.5	193.3
206	Sugar and confectionery products -----	-	93	58	16.9	201.6	13.7	25.4	147.4	674.2	766.4	1 429.0	24.2	16.9	429.6
2062	Cane sugar refining -----	-	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2065	Confectionery products -----	-	83	51	14.9	175.0	12.2	22.6	129.6	563.5	597.4	1 153.3	(D)	14.8	352.5
2066	Chocolate and cocoa products -----	-	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2067	Chewing gum -----	-	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
207	Fats and oils -----	-	51	34	5.3	81.3	3.9	8.3	54.9	194.2	2 329.5	2 564.9	36.5	5.0	193.9
2075	Soybean oil mills -----	-	16	15	2.6	39.8	2.0	4.2	28.6	64.6	1 645.5	1 741.0	22.9	EE	(D)
2077	Animal and marine fats and oils -----	-	21	8	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	13.6
2079	Shortening and cooking oils -	-	13	11	2.0	30.6	1.5	3.2	20.6	94.6	599.3	704.4	11.8	1.9	90.8
208	Beverages -----	-	142	78	10.9	177.6	6.2	12.8	92.1	717.5	809.8	1 522.3	31.0	12.2	474.3
2082	Malt beverages -----	-	6	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2083	Malt -----	-	4	4	0.2	3.1	0.2	0.3	2.7	4.7	22.5	27.4	0.9	AA	(D)
2084	Wines, brandy, and brandy spirits -----	-	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2085	Distilled liquor, except brandy -----	-	7	6	1.9	29.3	1.4	2.4	20.9	90.5	146.6	238.1	(D)	2.3	96.3
2086	Bottled and canned soft drinks -----	-	87	42	4.9	82.8	2.0	4.7	27.7	189.0	302.2	489.2	16.5	5.6	108.6
2087	Flavoring extracts and sirups, n.e.c.-----	-	36	21	2.6	37.6	1.7	3.5	22.9	358.7	243.8	598.4	(D)	2.4	208.8
209	Miscellaneous foods and kindred products -----	-	174	66	8.2	104.0	5.5	11.5	57.7	409.1	525.2	931.9	11.9	8.3	296.8
2091	Canned and cured seafoods -	-	5	3	0.3	2.7	0.2	0.4	1.7	5.7	15.3	20.9	(D)	0.2	3.7
2095	Roasted coffee -----	-	7	3	0.4	5.0	0.3	0.7	4.3	14.9	60.7	75.2	(D)	0.6	25.1
2097	Manufactured ice -----	-	19	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2098	Macaroni and spaghetti -----	-	18	5	0.8	8.3	0.6	1.4	6.3	32.3	38.6	70.5	0.6	CC	(D)
2099	Food preparations, n.e.c.-----	-	120	52	6.4	84.2	4.2	8.5	43.4	348.8	404.3	751.5	9.7	6.3	237.4
21	Tobacco products -----	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2131	Chewing and smoking tobacco -	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
22	Textile mill products --	E1	72	34	3.7	39.0	3.0	6.1	27.7	86.0	88.9	169.5	6.9	4.4	67.3
2211	Weaving mills, cotton -----	-	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
225	Knitting mills -----	-	10	7	0.6	5.1	0.5	0.9	3.5	8.5	8.0	16.9	0.2	CC	(D)
2252	Hosiery, n.e.c. -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2253	Knit outerwear mills -----	E1	7	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
226	Textile finishing, except wool --	E2	10	6	0.6	5.8	0.4	0.9	4.1	12.9	7.5	20.4	(D)	0.8	10.9
2261	Finishing plants, cotton -----	E4	6	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2269	Finishing plants, n.e.c.-----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
227	Floor covering mills -----	-	6	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2272	Tufted carpets and rugs -----	-	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
228	Yarn and thread mills -----	-	3	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2282	Throwing and winding mills --	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
229	Miscellaneous textile goods ---	E1	30	14	1.7	19.0	1.4	2.8	13.8	33.5	33.8	67.5	(D)	EE	(D)
2293	Paddings and upholstery filling -----	E3	5	2	0.2	2.0	0.1	0.3	1.5	3.8	4.6	8.3	(D)	0.2	3.3
2297	Nonwoven fabrics -----	E1	4	4	1.1	11.3	0.9	1.8	8.8	19.7	17.8	37.5	(D)	0.4	5.8
23	Apparel and other textile products -----	-	568	219	24.7	206.2	20.5	36.4	140.2	398.6	422.9	818.1	6.9	30.6	334.4
2311	Men's and boys' suits and coats -----	-	20	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	6.2	76.9
232	Men's and boys' furnishings ---	E1	44	21	2.3	13.8	2.0	3.6	10.0	21.5	32.0	53.2	(D)	3.3	27.3
2321	Men's and boys' shirts and nightwear -----	-	8	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2322	Men's and boys' underwear -	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2328	Men's and boys' work clothing -----	E2	14	10	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2329	Men's and boys' clothing, n.e.c. -----	E2	10	4	0.2	1.2	0.2	0.3	0.9	2.4	1.9	4.1	(Z)	1.0	7.8
233	Women's and misses' outerwear -----	E1	140	75	7.6	58.6	6.6	11.8	43.4	107.7	112.3	220.9	(D)	7.8	78.3
2331	Women's and misses' blouses and waists -----	E2	14	9	0.9	6.6	0.8	1.4	5.0	14.1	8.5	22.5	(D)	CC	(D)
2335	Women's and misses' dresses -----	E1	73	36	4.3	34.4	3.8	6.9	24.9	60.9	86.2	147.1	0.9	4.8	45.0
2337	Women's and misses' suits and coats -----	-	30	21	1.9	13.9	1.7	2.9	10.8	26.0	13.7	40.4	0.2	1.7	19.1
2339	Women's and misses' outerwear, n.e.c. -----	E1	23	9	0.6	3.8	0.4	0.7	2.7	6.8	3.9	10.9	0.2	CC	(D)

See footnotes at end of table.

Table 5. **Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—**
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
23	Apparel and other textile products—Con.														
234	Women's and children's undergarments -----	-	14	7	1.4	9.9	1.1	2.0	7.1	33.1	14.9	47.7	(D)	1.9	17.4
2341	Women's and children's underwear -----	-	8	3	1.0	7.6	0.8	1.5	5.9	30.2	12.6	42.4	(D)	EE	(D)
2342	Brassieres and allied garments -----	-	6	4	0.3	2.3	0.3	0.5	1.1	2.9	2.3	5.3	(Z)	BB	(D)
235	Hats, caps, and millinery -----	-	17	7	0.4	3.0	0.4	0.6	2.3	4.6	3.5	8.4	(D)	0.6	6.5
2352	Hats and caps, except millinery -----	-	12	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
238	Miscellaneous apparel and accessories -----	-	34	17	2.4	18.7	2.0	3.6	11.3	33.9	31.7	65.3	(D)	1.9	22.2
2381	Fabric dress and work gloves -----	E1	5	5	0.4	1.8	0.4	0.6	1.7	2.4	2.1	4.7	(Z)	0.7	5.1
2386	Leather and sheep lined clothing -----	-	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2387	Apparel belts -----	-	7	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2389	Apparel and accessories, n.e.c. -----	E1	15	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	1.6
239	Miscellaneous fabricated textile products -----	-	283	82	6.5	56.5	5.3	9.7	38.0	114.8	168.8	283.4	(D)	8.6	103.4
2391	Curtains and draperies -----	E2	80	7	0.7	5.0	0.6	1.0	3.6	8.2	8.0	16.0	0.1	1.0	8.1
2392	House furnishings, n.e.c. -----	-	68	30	2.5	22.2	2.0	4.0	15.0	49.5	67.0	116.4	1.2	2.6	32.8
2393	Textile bags -----	E1	11	3	0.5	4.2	0.3	0.6	3.1	4.9	6.0	10.7	0.1	0.2	0.9
2394	Canvas and related products -----	-	39	10	0.6	5.1	0.5	0.8	3.3	11.0	11.1	21.9	0.3	0.6	5.8
2395	Pleating and stitching -----	E1	21	6	0.5	3.1	0.4	0.6	2.4	6.1	5.4	11.3	(D)	CC	(D)
2396	Automotive and apparel trimmings -----	-	21	4	0.3	5.1	0.2	0.5	2.7	9.9	46.5	57.0	0.5	CC	(D)
2397	Schiffli machine embroideries -----	-	5	4	0.3	1.9	0.2	0.4	1.4	3.0	0.8	3.7	0.1	0.4	2.8
2399	Fabricated textile products, n.e.c. -----	E1	38	18	1.2	9.9	1.0	1.8	6.6	22.3	24.1	46.3	1.1	2.3	25.3
24	Lumber and wood products -----	E1	589	150	13.9	143.9	11.0	20.6	97.3	291.1	374.3	661.1	24.6	12.9	176.4
2411	Logging camps and logging contractors -----	E6	50	2	0.2	1.8	0.2	0.4	1.6	3.9	4.3	8.1	1.0	(NA)	(NA)
242	Sawmills and planing mills -----	E3	104	11	1.0	7.7	0.8	1.5	6.0	16.4	19.6	37.1	2.3	1.2	13.1
2421	Sawmills and planing mills, general -----	E4	86	8	0.7	5.5	0.6	1.2	4.5	12.8	15.7	28.6	(D)	0.7	7.2
2426	Hardwood dimension and flooring -----	-	14	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	3.8
243	Millwork, plywood, and structural members -----	E1	206	56	5.3	58.8	4.2	8.1	40.8	115.4	163.1	275.2	13.2	3.6	52.6
2431	Millwork -----	E1	102	31	3.4	38.6	2.7	5.1	26.2	75.4	106.4	179.3	5.7	2.1	28.0
2434	Wood kitchen cabinets -----	E2	86	15	1.1	11.6	0.9	1.8	8.3	19.9	18.3	38.0	(D)	CC	(D)
2435	Hardwood veneer and plywood -----	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2439	Structural wood members, n.e.c. -----	E1	16	8	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
244	Wood containers -----	E1	61	18	0.8	6.9	0.7	1.3	5.4	12.7	19.3	32.0	0.9	1.0	9.2
2448	Wood pallets and skids -----	E2	46	13	0.6	5.0	0.6	1.0	4.1	9.5	16.4	25.9	0.8	0.4	4.1
245	Wood buildings and mobile homes -----	-	25	18	1.4	19.0	0.9	1.8	10.4	42.7	70.3	112.6	1.8	1.3	21.2
2452	Prefabricated wood buildings -----	-	23	16	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.0	18.6
249	Miscellaneous wood products --	-	143	45	5.2	49.8	4.1	7.5	33.1	100.1	97.6	196.1	5.4	5.8	79.4
2491	Wood preserving -----	-	12	5	0.3	3.0	0.2	0.5	2.0	12.5	20.0	31.7	0.9	BB	(D)
2499	Wood products, n.e.c. -----	-	131	40	4.9	46.8	3.9	7.0	31.0	87.6	77.6	164.4	4.6	5.5	73.8
25	Furniture and fixtures -	-	451	175	23.5	272.0	18.3	35.1	184.9	534.2	523.5	1 051.7	21.2	24.4	374.4
251	Household furniture -----	E1	214	88	10.8	111.5	8.8	17.1	77.8	222.6	234.9	455.5	8.1	11.8	168.6
2511	Wood household furniture ---	E3	84	25	1.9	15.9	1.7	3.4	12.2	31.1	30.5	61.4	1.2	2.4	30.8
2512	Upholstered household furniture -----	E1	34	16	2.7	26.6	2.2	4.0	20.4	47.2	45.1	92.0	1.9	2.9	39.0
2514	Metal household furniture ---	-	34	19	4.0	47.5	3.1	6.2	30.4	94.9	103.9	198.2	3.4	3.5	56.1
2515	Mattresses and bedsprings --	-	46	18	1.1	12.7	0.9	1.6	7.9	34.4	37.4	71.2	0.5	1.0	18.5
2519	Household furniture, n.e.c. ---	-	10	7	0.9	8.1	0.8	1.6	6.3	13.7	16.9	30.5	1.2	CC	(D)
252	Office furniture -----	-	16	7	2.0	28.0	1.5	2.8	19.6	50.2	38.7	87.9	1.1	EE	(D)
2521	Wood office furniture -----	-	8	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2522	Metal office furniture -----	-	8	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2531	Public building and related furniture -----	E1	19	11	1.1	10.7	0.8	1.5	6.3	19.7	18.8	37.9	2.1	EE	(D)
254	Partitions and fixtures -----	-	142	50	6.2	77.6	4.6	9.2	51.5	157.4	149.1	304.7	6.9	6.5	102.9
2541	Wood partitions and fixtures -	-	92	24	2.4	30.3	1.9	3.8	20.7	53.8	51.1	104.2	1.2	2.6	37.5
2542	Metal partitions and fixtures -	-	50	26	3.7	47.3	2.7	5.4	30.8	103.7	98.1	200.6	5.8	3.9	65.3
259	Miscellaneous furniture and fixtures -----	-	60	19	3.5	44.2	2.5	4.6	29.8	84.4	81.9	165.6	3.0	2.9	48.3
2591	Drapery hardware and blinds and shades -----	-	25	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2599	Furniture and fixtures, n.e.c. -	-	35	13	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
26	Paper and allied products -----	-	466	298	35.8	470.5	27.5	55.8	306.7	1 009.1	1 386.2	2 386.3	84.8	39.3	716.6
2621	Paper mills, except building paper -----	-	4	3	0.5	8.7	0.4	0.9	6.6	23.1	31.9	56.2	1.7	CC	(D)
2631	Paperboard mills -----	-	8	8	1.4	21.3	1.1	2.5	16.5	42.9	53.8	97.0	14.7	1.8	34.3
264	Miscellaneous converted paper products -----	-	216	116	15.2	191.2	11.3	22.8	119.9	456.2	549.3	998.9	29.6	15.8	317.7
2641	Paper coating and glazing -----	-	45	24	3.4	46.4	2.4	5.1	29.3	128.5	154.8	282.5	10.2	FF	(D)
2642	Envelopes -----	E1	27	18	2.5	31.5	2.0	4.0	22.1	49.9	49.7	99.5	2.0	3.2	45.0
2643	Bags, except textile bags -----	-	48	26	3.7	46.1	2.9	5.8	28.6	113.7	168.2	280.0	5.7	4.6	90.5
2645	Die-cut paper and board -----	E1	37	16	1.6	18.6	1.2	2.2	11.3	34.8	39.3	74.1	1.0	1.5	24.9
2646	Pressed and molded pulp goods -----	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2647	Sanitary paper products -----	-	5	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2648	Stationery products -----	-	9	6	0.8	9.1	0.6	1.1	5.0	17.8	18.1	35.4	0.8	0.8	14.3
2649	Converted paper products, n.e.c. -----	-	43	21	1.2	14.5	0.9	1.8	9.2	34.3	34.1	69.6	1.2	1.3	22.1
265	Paperboard containers and boxes -----	-	231	164	18.1	240.0	14.2	28.5	156.0	464.3	725.9	1 185.2	36.7	20.3	330.2
2651	Folding paperboard boxes -----	-	51	33	4.2	58.8	3.4	7.1	42.2	107.2	162.7	268.4	5.1	4.3	70.9
2652	Setup paperboard boxes -----	E2	21	13	0.9	8.1	0.8	1.5	5.8	13.8	9.4	23.1	0.4	1.1	10.2
2653	Corrugated and solid fiber boxes -----	-	130	96	9.3	127.3	6.6	13.1	75.9	242.1	403.5	644.5	21.2	10.0	158.8
2654	Sanitary food containers -----	-	14	9	3.0	36.2	2.8	5.5	24.5	82.2	118.4	198.4	9.3	3.9	74.3
2655	Fiber cans, drums, and similar products -----	-	15	13	0.7	9.6	0.6	1.3	7.5	19.0	31.9	50.9	0.7	1.1	15.9
2661	Building paper and board mills -	-	7	7	0.6	9.3	0.5	1.1	7.8	22.5	25.3	48.9	2.1	0.7	13.0
27	Printing and publishing -----	-	3 232	768	100.5	1 423.4	61.2	116.4	797.8	3 122.5	1 854.8	4 957.4	176.9	105.1	2 217.7
2711	Newspapers -----	-	433	121	21.0	263.7	9.3	15.2	115.3	556.5	229.5	786.1	31.4	22.3	417.7
2721	Periodicals -----	E1	238	62	6.4	93.7	1.1	2.4	12.9	287.5	183.8	471.0	24.9	6.7	198.1
273	Books -----	-	181	51	8.0	112.7	2.1	4.0	22.4	465.0	206.0	668.7	11.3	9.0	364.9
2731	Book publishing -----	-	122	34	6.5	91.9	0.9	1.8	8.4	429.7	180.8	607.3	9.7	7.9	346.3
2732	Book printing -----	-	59	17	1.5	20.8	1.1	2.2	14.1	35.3	25.2	61.4	1.5	1.1	18.7
2741	Miscellaneous publishing -----	-	129	32	5.0	74.4	1.9	3.7	23.9	198.5	127.7	324.0	5.3	5.4	118.2
275	Commercial printing -----	-	1 737	332	42.7	644.2	33.2	65.0	458.6	1 147.2	848.2	1 986.5	81.3	43.9	812.6
2751	Commercial printing, letterpress -----	E1	882	97	15.5	220.8	11.9	23.7	155.4	401.2	256.0	655.6	20.0	17.7	318.6
2752	Commercial printing, lithographic -----	-	785	212	23.3	358.4	18.0	34.8	250.7	628.6	521.8	1 144.9	38.6	21.2	410.8
2753	Engraving and plate printing -	E1	40	10	0.8	9.7	0.6	1.0	6.7	18.2	8.4	26.2	3.5	0.7	12.0
2754	Commercial printing, gravure -----	-	30	13	3.2	55.2	2.7	5.5	45.8	99.2	62.1	159.9	19.2	4.2	71.3
2761	Manifold business forms -----	-	59	39	3.5	49.1	2.6	5.2	34.4	116.5	123.3	239.0	7.5	3.4	73.9
2771	Greeting card publishing -----	-	14	4	0.8	7.6	0.6	1.2	5.1	21.0	17.2	37.7	0.2	EE	(D)
278	Blankbooks and bookbinding -	-	135	55	7.4	79.7	6.1	11.5	55.8	163.2	76.3	235.7	6.9	FF	(D)
2782	Blankbooks and looseleaf binders -----	-	46	23	3.9	42.5	3.1	6.0	28.4	93.3	52.7	141.7	3.7	3.3	46.0
2789	Bookbinding and related work -----	-	89	32	3.5	37.2	3.0	5.5	27.3	70.0	23.6	94.1	3.2	FF	(D)
279	Printing trade services -----	-	306	72	5.7	98.4	4.4	8.2	69.4	167.2	42.8	208.6	8.2	6.4	119.6
2791	Typesetting -----	E1	189	31	2.5	37.8	2.1	3.8	28.4	66.7	9.2	75.1	3.4	3.0	51.8
2793	Photoengraving -----	E3	36	8	0.6	8.8	0.4	0.7	6.1	14.5	3.5	17.9	0.2	EE	(D)
2795	Lithographic platemaking services -----	-	77	31	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.6	33.8
28	Chemicals and allied products -----	-	858	358	54.7	829.5	30.9	62.6	414.0	3 506.9	3 594.3	7 042.5	338.2	52.3	2 103.1
281	Industrial inorganic chemicals -	-	61	26	3.4	56.8	2.5	5.2	38.9	215.5	223.4	438.0	26.5	3.8	114.2
2813	Industrial gases -----	-	23	5	AA	(D)	(D)	(U)	(D)	(D)	(D)	(D)	(D)	0.4	20.0
2816	Inorganic pigments -----	-	8	6	0.8	10.7	0.6	1.1	7.1	27.3	40.4	67.2	3.9	CC	(D)
2819	Industrial inorganic chemicals, n.e.c. -----	-	27	14	2.4	41.7	1.7	3.7	28.6	149.3	165.5	315.4	14.1	2.5	77.2
282	Plastics materials and synthetics -----	-	34	22	3.3	55.9	2.3	4.8	37.1	204.3	555.5	748.6	81.2	2.6	112.5
2821	Plastics materials and resins -	-	31	22	3.3	55.7	2.3	4.8	37.0	204.1	555.1	748.0	81.2	FF	(D)
283	Drugs -----	-	82	38	15.4	242.3	5.8	11.7	71.7	756.2	235.0	984.4	48.3	11.9	426.0
2831	Biological products -----	-	11	7	0.5	5.3	0.3	0.5	1.9	15.3	7.6	22.0	2.8	0.3	7.7
2833	Medicinals and botanicals -----	-	11	5	0.5	8.0	0.2	0.5	3.3	21.0	21.3	42.0	1.3	0.4	7.3
2834	Pharmaceutical preparations -	-	60	26	14.5	229.0	5.3	10.7	66.5	719.9	206.2	920.4	44.1	11.3	411.0
284	Soaps, cleaners, and toilet goods -----	-	199	72	10.8	144.3	7.3	14.9	90.8	1 147.3	790.7	1 922.6	45.5	12.3	816.2
2841	Soap and other detergents -	-	47	20	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.1	176.5
2842	Polishes and sanitation goods -----	-	86	29	3.1	37.5	2.0	4.0	22.6	211.0	197.8	404.2	(D)	3.8	187.5
2843	Surface active agents -----	-	12	8	0.9	13.5	0.5	1.1	8.2	51.4	106.5	156.2	(D)	0.8	33.2
2844	Toilet preparations -----	-	54	15	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	4.6	419.1
2851	Paints and allied products -----	-	142	69	8.2	119.2	4.6	9.3	57.4	364.0	514.5	865.7	15.7	8.0	223.4

See footnotes at end of table.

Table 5. **Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—**
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry		1977										1972			
			E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
				Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
28	Chemicals and allied products—Con.															
286	Industrial organic chemicals ---	-	44	21	4.6	79.1	3.0	5.8	48.8	333.5	453.4	778.5	70.8	4.1	142.5	
2865	Cyclic crudes and intermediates -----	-	16	10	2.6	46.9	1.7	3.4	29.1	156.4	269.3	423.7	40.4	2.6	78.5	
2869	Industrial organic chemicals, n.e.c. -----	-	28	11	2.0	32.2	1.3	2.3	19.7	177.1	184.1	354.8	30.4	EE	(D)	
287	Agricultural chemicals -----	-	57	21	1.6	20.9	1.1	2.2	12.6	75.2	237.0	309.8	18.4	1.5	41.0	
2873	Nitrogenous fertilizers -----	-	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)	
2874	Phosphatic fertilizers -----	-	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	12.6	
2875	Fertilizers, mixing only -----	-	31	9	0.5	6.4	0.4	0.6	3.2	15.3	86.2	101.0	1.4	0.5	11.7	
2879	Agricultural chemicals, n.e.c. -	-	18	7	0.5	6.1	0.4	0.7	4.2	17.4	35.3	52.8	(D)	BB	(D)	
289	Miscellaneous chemical products -----	-	239	89	7.4	111.0	4.4	8.8	56.7	411.0	584.8	994.9	32.0	8.0	227.3	
2891	Adhesives and sealants-----	-	55	26	1.7	25.1	1.0	2.0	11.7	70.7	126.0	198.0	4.1	1.6	43.6	
2892	Explosives -----	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)	
2893	Printing ink -----	E1	52	23	1.9	29.1	1.1	2.1	13.6	69.0	139.6	206.8	2.1	EE	(D)	
2899	Chemical preparations, n.e.c. -----	-	130	38	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.9	114.1	
29	Petroleum and coal products -----	-	126	51	10.8	200.3	7.5	15.9	135.3	1 466.4	6 008.0	7 463.2	70.6	10.5	409.8	
2911	Petroleum refining -----	-	17	12	6.5	134.3	4.6	9.8	92.6	1 248.7	5 596.5	6 834.3	61.7	6.4	277.6	
295	Paving and roofing materials---	-	50	19	2.8	42.7	2.1	4.6	32.2	105.6	217.7	322.7	6.2	3.1	83.8	
2951	Paving mixtures and blocks ---	-	28	4	0.4	5.6	0.3	0.5	3.5	17.0	36.1	53.3	1.5	0.5	12.0	
2952	Asphalt felts and coatings ---	-	22	15	2.4	37.1	1.9	4.0	28.7	88.6	181.6	269.4	4.7	2.6	71.8	
299	Miscellaneous petroleum and coal products-----	-	59	20	1.5	23.3	0.7	1.5	10.6	112.2	193.7	306.2	2.6	1.0	48.4	
2992	Lubricating oils and greases -	-	53	17	1.3	21.0	0.6	1.2	8.8	103.7	159.6	263.8	1.9	0.9	42.2	
2999	Petroleum and coal products, n.e.c. -----	-	6	3	0.2	2.4	0.1	0.2	1.7	8.5	34.2	42.4	0.8	(NA)	(NA)	
30	Rubber and miscellaneous plastics products ----	-	811	397	50.1	586.8	38.2	75.5	378.9	1 320.6	1 298.3	2 603.7	92.1	38.0	677.1	
3011	Tires and inner tubes -----	-	7	6	5.3	77.4	4.1	7.7	55.4	229.1	267.8	490.3	9.0	FF	(D)	
3021	Rubber and plastics footwear --	-	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)	
3031	Reclaimed rubber -----	-	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)	
3041	Rubber and plastics hose and belting -----	-	6	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)	
3069	Fabricated rubber products, n.e.c. -----	-	77	35	3.4	38.8	2.7	5.3	26.0	67.0	53.6	120.3	3.7	3.2	55.9	
3079	Miscellaneous plastics products -----	-	715	350	39.1	439.8	29.7	59.1	276.0	956.7	939.0	1 883.1	78.0	28.5	450.8	
31	Leather and leather products -----	-	109	47	7.2	62.1	6.0	10.6	43.4	98.7	112.2	211.8	(D)	FF	(D)	
3111	Leather tanning and finishing --	-	14	5	0.8	10.5	0.7	1.4	8.2	20.3	24.8	45.0	(D)	EE	(D)	
314	Footwear, except rubber -----	-	18	15	4.1	35.0	3.4	5.8	23.0	46.1	55.1	100.9	(D)	6.7	82.0	
3142	House slippers -----	-	4	3	0.3	2.1	0.3	0.4	1.4	5.0	8.7	13.7	0.1	AA	(D)	
3143	Men's footwear, except athletic -----	-	7	6	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)	
3144	Women's footwear, except athletic -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)	
3149	Footwear, except rubber, n.e.c. -----	-	6	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)	
3151	Leather gloves and mittens----	-	9	7	0.7	3.8	0.6	1.1	3.3	5.4	8.2	14.9	(D)	BB	(D)	
3161	Luggage -----	E2	28	7	0.5	5.1	0.4	0.8	3.5	9.7	5.5	15.4	0.2	0.8	8.5	
317	Handbags and other personal leather goods -----	E2	19	7	0.5	4.2	0.4	0.7	2.8	9.9	9.3	19.2	(D)	CC	(D)	
3172	Personal leather goods -----	E3	14	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)	
3199	Leather goods, n.e.c. -----	E6	18	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	4.6	
32	Stone, clay, and glass products -----	-	842	287	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	38.4	773.5	
3211	Flat glass -----	-	5	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)	
322	Glass and glassware, pressed or blown -----	-	24	15	8.4	116.0	7.4	14.4	97.9	235.1	171.5	413.6	(D)	FF	(D)	
3221	Glass containers -----	-	12	12	8.2	114.2	7.2	14.1	96.4	232.3	170.0	409.3	15.8	FF	(D)	
3229	Pressed and blown glass, n.e.c. -----	E3	12	3	0.2	1.8	0.1	0.3	1.5	2.8	1.4	4.2	(D)	(NA)	(NA)	
3231	Products of purchased glass---	E2	58	19	1.6	19.7	1.3	2.4	14.0	36.0	43.6	78.5	3.0	2.7	62.8	
3241	Cement, hydraulic -----	-	4	3	0.5	8.6	0.4	0.8	7.0	34.4	23.6	57.7	1.0	0.7	22.3	

See footnotes at end of table.

Table 5. **Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—**
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix E.															
SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
32	Stone, clay, and glass products—Con.														
325	Structural clay products -----	-	25	18	1.0	12.3	0.9	1.6	9.9	28.7	30.9	58.7	1.5	1.3	18.5
3251	Brick and structural clay tile -	-	8	7	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.9	9.3
3255	Clay refractories -----	-	8	7	0.3	3.1	0.2	0.4	2.2	11.6	17.3	28.9	0.6	(NA)	(NA)
3259	Structural clay products, n.e.c. -----	-	9	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.3	6.4
326	Pottery and related products ---	-	35	13	2.4	24.9	2.0	4.0	21.0	43.1	18.9	61.1	1.9	2.6	31.3
3261	Vitreous plumbing fixtures ---	-	5	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3263	Fine earthenware food utensils -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3264	Porcelain electrical supplies -	-	4	1	0.3	3.3	0.3	0.6	2.9	6.9	1.9	8.5	(D)	0.3	3.2
3269	Pottery products, n.e.c. -----	-	24	8	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
327	Concrete, gypsum, and plaster products -----	-	505	132	7.9	117.5	5.7	11.4	77.9	253.0	311.9	562.7	29.6	8.0	168.8
3271	Concrete block and brick ---	-	51	10	0.6	9.4	0.4	0.7	4.9	18.2	22.0	40.2	1.5	0.9	17.4
3272	Concrete products, n.e.c. ---	E1	181	40	2.7	37.0	2.0	3.9	23.7	69.8	59.8	127.6	7.8	2.7	54.0
3273	Ready-mixed concrete -----	-	263	77	4.2	65.2	3.1	6.1	44.6	141.5	191.2	332.1	19.1	3.9	83.3
3274	Lime -----	-	5	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3275	Gypsum products -----	-	5	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3281	Cut stone and stone products -	E1	31	6	0.4	4.9	0.4	0.7	3.6	8.8	6.5	15.3	0.4	BB	(D)
329	Miscellaneous nonmetallic mineral products -----	-	155	77	12.2	162.3	8.9	16.3	102.5	349.8	297.3	641.7	19.9	12.0	252.3
3291	Abrasive products -----	-	39	22	2.3	29.1	1.5	2.9	15.5	83.2	44.2	126.2	2.2	2.1	50.7
3292	Asbestos products -----	-	7	7	1.1	16.8	0.9	2.0	13.4	47.9	51.0	95.9	2.7	2.4	59.9
3293	Gaskets, packing, and sealing devices -----	-	44	25	7.1	91.8	5.0	8.7	56.0	160.0	144.5	305.0	8.6	6.3	118.2
3295	Minerals, ground or treated --	-	19	8	0.4	6.0	0.3	0.6	3.9	16.3	21.4	37.4	2.0	0.3	6.6
3296	Mineral wool -----	-	6	4	0.6	9.8	0.5	1.0	7.3	24.6	16.3	39.9	(D)	(NA)	(NA)
3297	Nonclay refractories -----	-	6	4	0.3	3.8	0.2	0.4	2.7	9.2	11.9	21.0	1.2	AA	(D)
3299	Nonmetallic mineral products, n.e.c. -----	E1	34	7	0.4	4.9	0.4	0.7	3.5	8.7	7.9	16.2	(D)	0.5	7.7
33	Primary metal industries -----	-	583	327	89.1	1 533.9	71.0	138.5	1 138.5	3 125.5	5 195.6	8 239.0	322.2	98.2	1 916.1
331	Blast furnace and basic steel products -----	-	111	67	45.1	858.4	35.6	68.2	639.0	1 729.1	2 689.3	4 386.4	110.9	50.1	1 097.3
3312	Blast furnaces and steel mills -----	-	45	24	38.4	755.1	30.6	58.2	568.3	1 457.4	2 249.5	3 683.7	82.6	FF	(D)
3315	Steel wire and related products -----	-	33	21	3.5	52.3	2.7	5.2	35.9	125.2	115.2	238.6	5.3	3.9	69.4
3316	Cold finishing of steel shapes -----	-	15	8	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3317	Steel pipe and tubes -----	-	17	14	1.8	31.4	1.3	2.8	20.4	97.5	179.8	273.0	19.5	1.3	41.9
332	Iron and steel foundries -----	-	95	72	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	19.7	303.5
3321	Gray iron foundries -----	-	63	49	11.8	205.1	9.9	19.2	160.8	414.3	277.5	690.1	115.5	12.2	186.4
3322	Malleable iron foundries ---	-	3	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.1	32.7
3324	Steel investment foundries --	-	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.7	8.4
3325	Steel foundries, n.e.c. -----	-	25	17	4.9	70.5	4.0	8.2	54.1	131.2	87.1	216.3	(D)	4.7	76.0
333	Primary nonferrous metals ----	-	5	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	9.6
3333	Primary zinc -----	-	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3341	Secondary nonferrous metals --	-	36	26	2.4	38.0	1.8	3.7	23.1	67.0	468.6	534.3	(D)	2.6	54.1
335	Nonferrous rolling and drawing -	-	62	48	13.5	216.8	10.3	21.2	157.3	497.6	1 400.7	1 865.5	44.9	16.0	298.1
3351	Copper rolling and drawing --	-	7	5	3.9	59.0	3.0	5.9	41.8	140.6	299.9	446.4	(D)	4.8	109.5
3353	Aluminum sheet, plate, and foil -----	-	5	5	3.8	73.6	2.9	6.0	57.3	158.2	510.1	639.5	(D)	FF	(D)
3354	Aluminum extruded products -	-	10	7	0.9	12.9	0.8	1.6	9.4	27.5	64.1	92.1	0.6	1.2	13.6
3356	Nonferrous rolling and drawing, n.e.c. -----	-	10	8	0.4	5.8	0.3	0.5	2.6	18.4	74.0	91.8	0.7	BB	(D)
3357	Nonferrous wire drawing and insulating -----	-	30	23	4.5	65.5	3.4	7.2	46.2	153.0	452.5	595.6	11.4	5.8	128.0
336	Nonferrous foundries -----	-	190	77	7.0	84.3	5.9	11.3	61.9	158.8	166.5	325.9	11.1	7.0	110.1
3361	Aluminum foundries -----	-	98	44	3.8	45.0	3.3	6.3	32.8	86.8	88.0	173.7	5.5	3.7	58.5
3362	Brass, bronze, and copper foundries -----	-	49	18	1.3	16.9	1.1	2.1	12.0	29.4	29.6	58.6	1.9	1.2	19.7
3369	Nonferrous foundries, n.e.c. -	-	43	15	1.8	22.5	1.5	2.9	17.1	42.5	48.9	93.6	3.7	2.1	31.9
339	Miscellaneous primary metal products -----	E1	84	35	2.0	26.2	1.6	3.2	17.8	57.6	32.9	89.1	9.7	2.4	43.4
3398	Metal heat treating -----	E1	56	29	1.8	22.4	1.4	2.8	15.2	48.9	17.3	65.9	4.8	2.1	36.9
3399	Primary metal products, n.e.c. -----	E1	28	6	0.3	3.8	0.2	0.4	2.6	8.7	15.6	23.1	4.9	0.3	6.5
34	Fabricated metal products -----	-	2 647	1 148	140.0	1 982.5	108.2	217.3	1 377.7	4 289.5	4 016.3	8 226.5	230.4	150.6	2 852.4
341	Metal cans and shipping containers -----	-	48	42	9.5	165.8	7.9	16.7	131.7	403.7	482.9	876.1	26.6	11.4	243.0
3411	Metal cans -----	-	28	25	6.8	122.2	5.8	12.1	100.6	325.5	368.9	683.2	19.8	9.7	209.1
3412	Metal barrels, drums, and pails -----	-	20	17	2.7	43.7	2.1	4.5	31.1	78.1	114.0	192.9	6.8	1.7	33.9
342	Cutlery, hand tools, and hardware -----	-	171	84	15.4	189.8	11.8	22.2	124.9	472.5	283.8	751.7	30.3	18.4	347.1
3423	Hand and edge tools, n.e.c. -	-	58	24	3.7	48.7	3.1	5.8	36.5	143.3	69.3	209.9	7.6	3.6	92.1
3425	Hand saws and saw blades -	-	10	5	0.4	5.1	0.3	0.7	3.4	18.6	7.5	26.1	0.4	0.3	10.5
3429	Hardware, n.e.c. -----	-	98	54	11.2	134.9	8.3	15.5	84.2	308.6	205.8	512.7	22.3	14.4	243.4

See footnotes at end of table.

**Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.**

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry		1977											1972	
			All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
34	Fabricated metal products—Con.														
343	Plumbing and heating, except electric -----	-	64	30	4.7	61.0	3.5	6.8	40.5	142.5	121.8	261.3	7.6	5.9	112.6
3431	Metal sanitary ware -----	-	12	7	1.1	15.5	0.8	1.7	9.5	35.8	41.0	75.9	1.6	1.3	35.4
3432	Plumbing fittings and brass goods -----	-	19	9	1.7	22.8	1.4	2.8	17.1	52.6	44.5	94.7	3.8	1.6	27.7
3433	Heating equipment, except electric -----	-	33	14	1.9	22.8	1.3	2.3	13.9	54.2	36.3	90.7	2.1	3.1	49.5
344	Fabricated structural metal products -----	-	576	245	20.5	270.2	14.7	28.3	168.3	639.6	727.4	1 345.3	24.5	21.3	430.7
3441	Fabricated structural metal --	E1	144	53	4.5	60.7	3.3	6.4	40.4	121.8	132.8	254.4	4.7	5.2	112.9
3442	Metal doors, sash, and trim --	E1	75	35	2.1	24.9	1.5	3.1	13.7	50.7	71.2	118.0	1.9	3.4	49.3
3443	Fabricated plate work (boiler shops) -----	E1	88	57	4.4	61.1	3.1	6.0	38.3	140.0	104.6	243.1	4.4	3.7	78.0
3444	Sheet metal work -----	-	169	64	4.8	60.8	3.3	6.2	36.0	144.1	163.7	305.4	5.6	4.3	77.4
3446	Architectural metal work ----	-	60	13	1.2	16.1	0.8	1.6	9.0	47.2	38.9	78.8	1.8	1.2	20.4
3448	Prefabricated metal buildings -----	-	26	16	2.8	36.9	2.1	4.3	25.1	105.4	180.7	279.4	5.5	2.0	54.9
3449	Miscellaneous metal work ----	-	14	7	0.6	9.6	0.4	0.8	5.8	30.5	35.5	66.2	0.6	1.4	37.9
345	Screw machine products, bolts, etc. -----	-	374	155	18.5	264.5	14.3	30.5	186.9	502.8	409.0	902.2	31.0	19.1	358.0
3451	Screw machine products -----	-	231	83	6.9	90.4	5.5	11.8	64.2	156.8	106.0	260.9	8.0	6.6	109.9
3452	Bolts, nuts, rivets, and washers -----	-	143	72	11.6	174.1	8.8	18.7	122.7	346.0	303.0	641.3	23.0	12.5	248.2
346	Metal forgings and stampings --	-	429	214	31.1	516.2	25.6	52.6	388.5	1 056.3	1 078.3	2 112.0	60.0	30.4	617.1
3462	Iron and steel forgings -----	-	45	31	5.9	97.2	4.7	9.3	72.5	212.2	211.5	422.5	12.6	FF	(D)
3463	Nonferrous forgings -----	-	4	4	0.2	2.7	0.2	0.3	1.8	5.0	4.2	9.3	0.1	AA	(D)
3465	Automotive stampings -----	-	30	18	9.2	200.0	7.9	17.5	162.8	382.6	396.3	768.6	18.5	9.5	210.3
3466	Crowns and closures -----	-	12	8	1.8	26.0	1.5	2.9	20.0	73.2	69.5	138.3	4.6	2.3	46.4
3469	Metal stampings, n.e.c. -----	-	338	152	14.0	190.3	11.3	22.5	131.5	383.2	396.8	773.3	24.1	13.0	244.9
347	Metal services, n.e.c. -----	-	439	143	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	9.5	141.7
3471	Plating and polishing -----	E1	308	94	6.0	67.1	4.9	10.2	46.1	125.3	83.9	208.4	5.8	5.9	83.7
3479	Metal coating and allied services -----	-	131	49	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.6	58.0
348	Ordinance and accessories, n.e.c. -----	-	12	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	5.2	75.5
3482	Small arms ammunition -----	-	4	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3483	Ammunition, except for small arms, n.e.c. -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
349	Miscellaneous fabricated metal products -----	-	534	230	27.5	355.2	20.5	39.9	231.2	769.1	690.5	1 450.4	34.0	29.5	526.7
3493	Steel springs, except wire --	-	13	7	1.0	14.8	0.9	1.9	11.5	28.1	29.3	55.7	1.5	1.0	22.3
3494	Valves and pipe fittings -----	-	63	49	10.8	140.9	7.3	13.8	84.6	285.6	203.9	488.4	12.5	FF	(D)
3495	Wire springs -----	-	52	35	3.0	36.5	2.5	4.8	27.0	68.4	51.2	121.7	4.0	4.2	57.9
3496	Miscellaneous fabricated wire products -----	E1	95	40	2.6	29.5	2.0	3.8	19.1	58.2	58.7	114.9	2.0	3.2	48.2
3497	Metal foil and leaf -----	E1	6	5	0.6	8.3	0.5	1.1	6.0	17.7	34.0	50.6	1.0	0.7	12.6
3498	Fabricated pipe and fittings --	-	37	22	1.7	20.1	1.3	2.6	13.4	45.8	68.7	114.8	1.6	EE	(D)
3499	Fabricated metal products, n.e.c. -----	-	268	72	7.8	105.1	6.0	11.9	69.7	265.4	244.7	504.3	11.4	8.5	178.0
35	Machinery, except electrical -----	-	3 480	1 036	211.2	3 364.5	149.7	289.7	2 166.8	7 148.9	8 007.8	15 113.5	560.6	196.7	4 206.2
351	Engines and turbines -----	-	22	16	16.1	302.5	11.7	21.7	191.1	469.4	1 227.1	1 669.9	(D)	FF	(D)
3519	Internal combustion engines, n.e.c. -----	-	19	16	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
352	Farm and garden machinery ---	-	129	71	25.4	436.6	19.3	36.5	311.6	1 002.1	1 364.5	2 374.4	68.6	21.6	489.7
3523	Farm machinery and equipment -----	-	119	64	23.9	418.8	18.3	34.5	299.3	969.9	1 295.9	2 279.7	67.1	20.4	459.3
3524	Lawn and garden equipment -	-	10	7	1.5	17.8	1.1	2.1	12.2	32.2	68.7	94.7	1.5	1.2	30.4
353	Construction and related machinery -----	-	195	95	56.4	996.6	41.1	76.7	675.2	2 345.8	3 047.7	5 448.4	224.3	56.1	1 448.9
3531	Construction machinery -----	-	70	41	46.8	850.8	35.1	65.3	597.2	2 028.0	2 683.9	4 775.8	(D)	45.6	1 257.1
3532	Mining machinery -----	-	17	9	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.9	11.9
3534	Elevators and moving stairways -----	E1	17	8	0.6	8.5	0.4	0.8	5.1	14.2	21.3	34.1	1.1	1.3	18.1
3535	Conveyors and conveying equipment -----	-	51	18	2.2	34.6	1.0	2.0	12.7	84.4	87.2	169.3	4.1	2.8	59.7
3536	Hoists, cranes, and monorails -----	E1	11	6	1.0	13.6	0.7	1.2	7.3	24.8	19.1	42.0	(D)	EE	(D)
3537	Industrial trucks and tractors -	-	28	13	4.4	70.0	3.1	5.6	42.1	151.5	204.0	357.6	11.2	3.7	77.1
354	Metalworking machinery -----	-	1 053	259	32.7	495.6	23.2	47.7	314.7	918.7	511.5	1 383.0	45.7	31.8	534.7
3541	Machine tools, metal cutting types -----	-	94	39	6.5	103.5	4.1	8.5	54.9	195.6	111.6	291.3	9.7	6.4	114.3
3542	Machine tools, metal forming types -----	-	52	25	6.4	95.2	4.4	8.9	61.4	177.2	115.7	275.9	5.3	6.1	91.0
3544	Special dies, tools, jigs, and fixtures -----	E2	735	134	9.4	158.1	7.7	16.3	116.8	258.0	106.2	360.2	19.6	8.6	168.3
3545	Machine tool accessories ---	-	108	39	5.5	73.2	3.9	7.9	47.3	155.0	72.5	221.0	6.4	4.7	84.0
3546	Power driven hand tools -----	-	14	7	3.1	33.6	2.0	3.8	19.4	82.7	69.6	151.6	1.8	FF	(D)
3549	Metalworking machinery, n.e.c. -----	-	47	13	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.0	20.4

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B.															
SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
35	Machinery, except electrical—Con.														
355	Special industry machinery ----	-	286	110	12.5	188.7	8.2	16.5	110.0	388.2	303.4	684.3	17.6	FF	(D)
3551	Food products machinery ----	-	68	33	3.6	55.0	2.2	4.5	29.3	110.8	95.9	205.8	6.5	3.9	74.7
3552	Textile machinery-----	-	11	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3553	Woodworking machinery ----	E1	16	4	0.4	4.8	0.3	0.6	3.0	10.9	5.9	16.7	(D)	CC	(D)
3555	Printing trades machinery ----	-	77	31	2.8	41.5	1.8	3.7	24.3	87.0	54.5	139.6	3.9	5.3	110.5
3559	Special industry machinery, n.e.c. -----	-	109	40	5.0	78.4	3.4	6.8	48.1	157.8	138.3	292.6	5.4	4.0	88.1
356	General industrial machinery----	-	422	171	28.8	411.1	20.0	39.8	258.0	895.4	645.9	1 526.8	37.8	23.6	484.8
3561	Pumps and pumping equipment -----	-	42	19	4.9	69.5	3.3	6.6	42.5	134.0	122.8	252.0	8.3	4.3	83.4
3562	Ball and roller bearings -----	-	12	8	2.7	39.7	2.2	4.4	30.6	91.1	54.1	143.8	2.6	FF	(D)
3563	Air and gas compressors-----	-	18	17	4.2	58.5	2.7	5.5	35.4	165.4	138.1	296.4	6.0	FF	(D)
3564	Blowers and fans-----	-	39	13	1.8	20.6	1.2	2.2	12.2	48.2	32.1	80.3	2.1	1.6	27.3
3565	Industrial patterns-----	E3	99	14	0.9	13.6	0.7	1.4	10.3	22.4	6.0	28.3	1.2	0.9	17.8
3566	Speed changers, drives, and gears-----	-	42	31	4.1	58.9	2.9	5.8	36.4	127.5	60.8	186.3	5.5	4.0	71.4
3567	Industrial furnaces and ovens-----	-	16	10	1.2	15.1	0.8	1.7	8.5	31.0	16.9	47.8	1.3	0.8	19.0
3568	Power transmission equipment, n.e.c. -----	-	20	15	4.5	67.7	3.1	6.1	42.4	142.6	93.0	231.4	5.9	2.9	62.5
3569	General industrial machinery, n.e.c. -----	-	134	44	4.5	67.6	3.1	6.1	39.7	133.3	122.2	260.5	5.0	2.9	45.3
357	Office and computing machines-----	-	60	29	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	8.5	177.7
3573	Electronic computing equipment -----	-	19	4	0.6	7.4	0.3	0.5	2.7	14.8	12.6	28.4	0.6	BB	(D)
3574	Calculating and accounting machines-----	-	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3576	Scales and balances, except laboratory-----	-	12	9	1.2	13.7	0.8	1.5	7.3	28.4	19.5	46.3	1.0	EE	(D)
3579	Office machines, n.e.c. and typewriters-----	-	27	15	7.2	105.5	3.2	6.0	39.6	264.3	200.5	470.2	8.2	4.5	96.3
358	Refrigeration and service machinery-----	-	155	81	13.6	176.8	9.3	17.5	105.4	403.8	444.6	834.5	16.5	15.8	325.8
3581	Automatic merchandising machines-----	E2	13	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.1	16.9
3582	Commercial laundry equipment -----	-	14	5	0.3	3.7	0.2	0.4	2.5	7.6	7.2	14.9	(Z)	CC	(D)
3585	Refrigeration and heating equipment-----	-	43	31	7.0	85.6	5.5	10.0	60.6	193.6	247.4	435.3	8.1	8.2	170.4
3586	Measuring and dispensing pumps-----	-	4	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3589	Service industry machinery, n.e.c. -----	-	81	39	5.1	73.9	2.8	5.4	33.1	162.8	158.2	317.7	6.6	4.6	103.9
359	Miscellaneous machinery, except electrical-----	E2	1 158	204	16.0	217.7	12.3	24.6	147.8	399.7	211.0	601.2	26.5	12.2	202.3
3592	Carburetors, pistons, rings, and valves-----	-	6	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3599	Machinery, except electrical, n.e.c. -----	E2	1 152	201	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
36	Electric and electronic equipment -	-	1 080	557	155.3	1 934.5	108.5	208.3	1 142.8	4 311.5	4 467.4	8 693.6	183.1	171.4	3 090.1
361	Electric distributing equipment -	-	91	55	11.1	140.3	8.0	15.8	85.4	242.1	216.0	451.5	12.0	11.9	168.8
3612	Transformers-----	-	24	15	3.7	44.7	2.9	5.3	30.0	68.3	89.4	154.7	2.6	5.0	60.6
3613	Switchgear and switchboard apparatus-----	-	67	40	7.4	95.6	5.1	10.5	55.4	173.8	126.7	296.8	9.4	6.9	108.3
362	Electrical industrial apparatus --	-	138	86	11.9	132.6	8.6	16.8	77.3	265.4	229.1	491.3	11.6	11.4	184.9
3621	Motors and generators-----	-	39	27	4.0	39.6	3.2	6.4	26.3	82.3	73.7	155.3	4.9	3.7	52.0
3622	Industrial controls-----	-	59	35	5.1	59.8	3.5	6.5	30.8	135.7	102.1	235.9	4.4	5.0	91.7
3623	Welding apparatus, electric --	-	11	7	1.0	15.0	0.7	1.3	8.2	19.0	27.7	46.5	1.0	0.9	15.4
3624	Carbon and graphite products-----	E7	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3629	Electrical industrial apparatus, n.e.c. -----	E1	25	15	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
363	Household appliances-----	-	53	31	19.9	245.1	14.7	26.7	173.5	524.6	632.8	1 147.7	19.2	23.1	427.5
3631	Household cooking equipment-----	-	12	9	3.5	42.8	2.7	5.1	32.0	84.7	133.0	213.7	2.7	4.8	74.7
3632	Household refrigerators and freezers-----	-	2	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3633	Household laundry equipment-----	-	4	4	1.8	19.1	1.4	2.5	14.6	33.8	56.4	85.4	1.5	FF	(D)
3634	Electric housewares and fans-----	-	23	7	3.8	49.2	2.7	5.1	29.8	89.8	79.9	167.3	(D)	5.3	88.7
3635	Household vacuum cleaners -	-	3	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3636	Sewing machines-----	-	4	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3639	Household appliances, n.e.c. -----	-	5	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
364	Electric lighting and wiring equipment-----	-	194	100	20.6	244.9	15.3	30.3	150.6	567.2	420.4	982.7	27.5	19.5	350.3
3641	Electric lamps-----	-	13	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3643	Current-carrying wiring devices-----	-	39	19	8.2	96.3	5.9	12.2	56.3	212.9	116.9	324.0	13.3	6.6	112.3
3644	Noncurrent-carrying wiring devices-----	-	23	17	4.7	62.3	3.4	6.7	38.7	139.7	127.8	268.7	5.0	4.3	91.7

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
36	Electric and electronic equipment —Con.														
364	Electric lighting and wiring equipment—Con.														
3645	Residential lighting fixtures --	E1	61	28	2.4	26.7	2.0	3.7	17.4	50.1	50.6	101.4	0.7	3.4	48.7
3646	Commercial lighting fixtures--	-	22	11	1.3	15.9	0.8	1.4	6.9	53.2	35.5	88.4	2.0	1.3	25.5
3647	Vehicular lighting equipment -	-	11	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3648	Lighting equipment, n.e.c. ---	E2	25	14	1.0	11.7	0.7	1.3	6.6	30.1	29.9	60.3	1.3	CC	(D)
365	Radio and TV receiving equipment -----	-	76	31	17.1	197.8	12.2	22.0	115.9	650.3	991.9	1 656.6	18.3	26.3	605.3
3651	Radio and TV receiving sets -	-	50	22	15.6	182.3	10.9	19.4	104.3	621.4	967.8	1 605.7	16.6	24.5	561.8
3652	Phonograph records and prerecorded tape -----	-	26	9	1.5	15.5	1.3	2.5	11.5	28.9	24.1	50.9	1.6	1.8	43.5
366	Communication equipment ----	-	130	58	41.7	609.8	25.1	47.8	317.8	1 381.9	1 327.3	2 649.6	61.0	47.3	927.8
3661	Telephone and telegraph apparatus -----	-	29	20	29.0	454.9	18.0	33.4	249.0	970.2	1 094.4	2 008.8	40.9	FF	(D)
3662	Radio and TV communication equipment --	-	101	38	12.6	154.9	7.1	14.4	68.8	411.7	232.9	640.8	20.1	FF	(D)
367	Electronic components and accessories -----	E1	286	142	25.1	268.6	18.8	38.1	167.8	471.0	408.2	875.2	19.4	25.4	309.9
3671	Electron tubes, all types ----	-	9	6	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3675	Electronic capacitors -----	-	9	6	0.5	5.1	0.3	0.6	2.4	7.7	2.9	10.5	0.3	CC	(D)
3676	Electronic resistors -----	-	4	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3677	Electronic coils and transformers -----	E1	59	42	3.8	30.1	3.2	6.0	20.5	60.5	45.6	105.7	1.4	4.2	33.2
3678	Electronic connectors -----	-	8	8	3.1	37.1	2.1	4.1	21.1	66.4	44.9	109.5	(D)	FF	(D)
3679	Electronic components, n.e.c. -----	E1	185	76	12.7	136.0	9.6	20.2	86.9	254.6	195.4	452.5	11.2	12.3	155.5
369	Miscellaneous electrical equipment and supplies -----	-	112	54	8.0	95.5	5.7	10.9	54.4	209.1	241.8	438.9	14.2	6.6	115.5
3691	Storage batteries -----	-	13	7	1.2	15.7	0.9	1.6	10.8	42.0	46.3	88.0	1.9	1.1	26.1
3692	Primary batteries, dry and wet -----	-	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3693	X-ray, electromedical, and electrotherapeutic apparatus -	-	22	11	1.2	17.3	0.7	1.3	6.9	41.0	40.8	75.6	1.7	CC	(D)
3694	Engine electrical equipment -	-	30	15	3.8	46.8	2.7	5.3	27.0	92.8	122.0	209.9	9.3	2.1	35.5
3699	Electrical equipment and supplies, n.e.c. -----	E1	44	20	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
37	Transportation equipment -----	-	300	140	50.0	784.7	38.5	78.5	552.5	1 719.3	3 274.1	4 915.0	110.9	48.1	1 243.4
371	Motor vehicles and equipment -	-	180	83	27.0	402.2	22.2	46.7	308.9	793.5	2 399.5	3 122.7	(D)	26.5	648.9
3711	Motor vehicles and car bodies -----	-	11	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3713	Truck and bus bodies -----	-	30	15	1.5	19.0	1.2	2.2	12.4	33.6	41.5	75.2	1.2	(NA)	(NA)
3714	Motor vehicle parts and accessories -----	-	127	58	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3715	Truck trailers -----	-	11	6	1.1	10.7	0.8	1.6	7.6	24.2	60.0	81.9	(D)	CC	(D)
372	Aircraft and parts -----	-	17	9	4.7	79.6	2.3	4.6	33.6	150.4	79.4	216.9	(D)	FF	(D)
3724	Aircraft engines and engine parts -----	-	5	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.4	24.6
3728	Aircraft equipment, n.e.c. ----	-	11	5	4.0	70.9	1.8	3.5	27.6	135.6	71.5	193.5	(D)	FF	(D)
373	Ship and boat building and repairing -----	E1	29	10	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.9	12.1
3731	Ship building and repairing --	E1	7	5	0.7	10.3	0.6	1.1	7.5	19.5	9.3	28.9	1.0	0.3	4.5
3732	Boat building and repairing --	-	22	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.6	7.6
3743	Railroad equipment -----	-	38	29	14.2	252.5	10.5	20.8	172.6	671.6	663.8	1 347.0	(D)	13.1	443.2
3751	Motorcycles, bicycles, and parts -----	-	15	5	2.1	26.6	1.7	3.0	19.5	54.3	76.7	125.2	(D)	EE	(D)
379	Miscellaneous transportation equipment -----	-	21	4	0.8	8.4	0.7	1.4	6.6	19.0	28.7	47.6	(D)	0.4	3.7
3792	Travel trailers and campers--	-	11	3	0.7	7.2	0.6	1.2	5.7	15.6	20.2	35.2	(D)	0.2	1.6
38	Instruments and related products -----	-	484	185	43.9	572.4	27.1	52.8	292.1	1 189.7	859.4	2 003.9	46.7	44.5	848.9
3811	Engineering and scientific instruments -----	-	49	17	2.6	31.6	1.3	2.6	13.6	88.4	55.8	140.8	2.4	3.3	51.6
382	Measuring and controlling devices -----	-	131	67	20.1	262.7	12.0	23.3	134.5	532.2	353.6	873.9	19.9	18.8	334.6
3822	Environmental controls -----	-	15	7	4.9	65.2	3.1	6.0	38.0	133.6	88.7	216.4	4.7	6.2	112.1
3823	Process control instruments -	-	33	21	3.2	42.4	1.8	3.3	19.8	80.1	42.6	130.3	(D)	4.4	62.7
3824	Fluid meters and counting devices-----	-	9	6	3.4	40.3	2.6	5.3	27.4	64.9	36.1	97.9	(D)	AA	(D)
3825	Instruments to measure electricity -----	E1	37	18	5.4	65.0	3.2	5.9	33.0	152.1	121.9	269.8	3.8	4.7	97.1
3829	Measuring and controlling devices, n.e.c. -----	-	37	15	3.2	49.8	1.3	2.9	16.2	101.4	64.3	159.5	4.8	FF	(D)
3832	Optical instruments and lenses -----	-	21	8	1.4	19.9	0.9	1.7	8.2	38.2	28.1	65.2	1.0	0.7	13.0

See footnotes at end of table.

**Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.**

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]															
SIC code	Industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
38	Instruments and related products—Con.														
384	Medical instruments and supplies -----	-	139	45	7.5	101.0	5.0	9.6	53.2	274.7	167.0	427.5	8.3	8.3	208.7
3841	Surgical and medical instruments -----	-	42	18	1.3	15.6	0.9	2.1	8.9	36.7	22.1	56.8	2.0	2.0	22.4
3842	Surgical appliances and supplies -----	-	53	15	4.6	62.2	3.0	5.7	34.5	188.5	115.3	293.3	4.8	5.1	159.8
3843	Dental equipment and supplies -----	-	44	12	1.6	23.2	1.0	1.9	9.8	49.5	29.7	77.4	1.4	1.2	26.5
3851	Ophthalmic goods -----	E5	36	7	1.0	10.8	0.7	1.3	5.6	20.5	13.4	32.9	(D)	0.8	12.1
3861	Photographic equipment and supplies -----	-	90	34	7.7	109.7	4.6	9.1	54.0	172.0	160.2	324.2	9.3	9.5	185.2
3873	Watches, clocks, and watchcases -----	-	18	7	3.5	36.6	2.6	5.2	23.0	63.8	81.2	139.4	(D)	3.0	43.7
39	Miscellaneous manufacturing industries -----	-	842	255	34.7	373.2	26.5	49.4	231.4	784.2	688.1	1 464.4	45.7	36.1	554.2
391	Jewelry, silverware, and plated ware -----	E1	68	11	1.3	13.7	1.0	1.8	8.3	30.0	27.3	57.0	(D)	1.4	27.2
3911	Jewelry, precious metal -----	E1	47	7	0.7	8.5	0.5	1.0	5.1	18.7	17.7	35.7	0.5	0.7	12.2
3914	Silverware and plated ware -----	-	11	3	0.5	4.6	0.4	0.8	3.0	9.9	6.7	17.0	(D)	0.6	13.8
3931	Musical instruments -----	-	45	17	3.9	42.8	3.1	5.4	27.4	74.2	75.5	159.6	3.6	4.8	67.5
394	Toys and sporting goods -----	-	164	62	8.9	88.9	6.8	12.8	55.4	210.8	206.5	414.2	11.4	10.5	163.2
3942	Dolls -----	-	3	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3944	Games, toys, and children's vehicles -----	-	71	28	5.1	52.2	3.8	7.1	30.3	131.4	109.0	242.0	7.8	6.6	98.4
3949	Sporting and athletic goods, n.e.c. -----	-	90	33	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
395	Pens, pencils, office and art supplies -----	-	72	25	2.6	31.4	1.7	3.3	14.8	69.7	60.6	129.1	2.4	3.2	57.1
3951	Pens and mechanical pencils -----	-	9	7	0.8	9.4	0.5	1.1	4.5	20.7	16.7	37.3	0.6	CC	(D)
3953	Marking devices -----	-	51	13	1.5	16.6	0.9	1.7	7.7	35.6	22.5	57.1	(D)	1.3	22.8
3955	Carbon paper and inked ribbons -----	-	4	3	0.3	4.0	0.2	0.4	1.9	10.2	18.3	28.4	(D)	CC	(D)
396	Costume jewelry and notions -----	E2	39	10	0.7	5.7	0.5	1.0	3.7	16.2	11.4	27.5	(D)	1.3	19.9
3961	Costume jewelry -----	E2	13	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.3	3.1
3962	Artificial flowers -----	E2	9	2	0.2	1.2	0.2	0.3	0.8	4.4	3.1	7.4	0.2	(NA)	(NA)
3964	Needles, pins, and fasteners -----	E3	12	5	0.3	2.5	0.2	0.5	1.7	7.6	5.7	13.2	0.2	0.9	13.1
399	Miscellaneous manufactures -----	-	454	130	17.2	190.7	13.5	25.1	121.8	383.2	306.8	676.9	27.1	14.8	219.4
3991	Brooms and brushes -----	-	28	12	1.2	12.3	1.0	1.9	8.7	23.8	20.2	43.9	1.5	1.4	19.3
3993	Signs and advertising displays -----	-	206	60	5.1	62.1	3.7	7.3	36.1	110.8	70.8	180.9	3.8	5.3	83.2
3995	Burial caskets -----	-	17	9	0.9	9.9	0.7	1.2	6.7	18.2	19.6	37.7	0.3	1.2	17.4
3999	Manufacturing industries, n.e.c. -----	-	203	49	10.1	106.4	8.1	14.7	70.3	230.4	196.2	414.4	21.6	6.9	99.5
--	Administrative and auxiliary -----	-	705	409	96.1	2 003.6	-	-	-	-	-	-	-	(NA)	(NA)

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Statistics for some industry groups and industries are withheld to avoid disclosing figures for individual companies. However, for such industry groups and industries with 150 employees or more, number of establishments is shown and employment size range is indicated by one of the following symbols: AA—150 to 249 employees; BB—250 to 499 employees; CC—500 to 999 employees; EE—1,000 to 2,499 employees; FF—2,500 employees or more. Statistics for industry groups shown include data for all component industries, regardless of whether data are shown for individual industries in the group.
³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Chicago-Gary, Ill.-Ind., SCSA -	-	15 026	5 794	982.5	14 803.8	643.5	1 265.7	8 389.8	31 059.7	39 305.7	69 937.3	1 979.4	(NA)	(NA)
20	Food and kindred products ---	-	768	378	69.9	984.3	49.2	99.3	631.0	3 240.5	4 940.4	8 163.7	158.2	(NA)	(NA)
202	Dairy products -----	-	72	37	3.0	48.1	1.5	3.0	21.8	154.7	350.3	504.4	8.5	(NA)	(NA)
2045	Blended and prepared flour -----	E2	12	7	1.1	8.9	0.5	1.1	6.2	36.0	77.6	113.9	0.8	(NA)	(NA)
205	Bakery products -----	-	127	55	14.3	195.4	9.5	20.2	122.6	514.5	384.6	898.4	10.3	(NA)	(NA)
2091	Canned and cured seafoods -----	-	5	3	0.3	2.7	0.2	0.4	1.7	5.7	15.3	20.9	(D)	(NA)	(NA)
2095	Roasted coffee -----	-	7	3	0.4	5.0	0.3	0.7	4.3	14.9	60.7	75.2	(D)	(NA)	(NA)
2392	House furnishings, n.e.c. -----	E1	62	27	2.2	20.0	1.9	3.7	13.8	45.3	60.7	105.8	1.1	(NA)	(NA)
2394	Canvas and related products -----	-	25	7	0.4	3.9	0.4	0.6	2.5	9.0	9.3	18.1	0.2	(NA)	(NA)
2431	Millwork -----	E2	77	21	1.5	18.1	1.2	2.3	12.7	37.2	51.2	87.7	(D)	(NA)	(NA)
2514	Metal household furniture -----	-	30	16	3.9	46.0	3.0	5.9	29.1	90.9	98.4	188.6	(D)	(NA)	(NA)
254	Partitions and fixtures ----	-	112	39	4.6	57.0	3.4	6.7	37.4	110.6	101.3	211.9	5.9	(NA)	(NA)
26	Paper and allied products ---	-	382	246	29.0	383.5	22.3	45.0	248.0	826.1	1 099.3	1 915.4	73.2	(NA)	(NA)
2651	Folding paperboard boxes -----	-	42	27	3.2	45.5	2.6	5.4	31.9	84.9	122.8	207.6	4.3	(NA)	(NA)
2653	Corrugated and solid fiber boxes -----	-	105	78	7.5	103.8	5.3	10.6	61.6	194.1	321.6	515.0	16.8	(NA)	(NA)
2661	Building paper and board mills -----	-	4	4	0.3	5.1	0.3	0.6	4.3	15.6	16.6	33.2	(D)	(NA)	(NA)
2711	Newspapers -----	-	162	51	13.9	196.3	6.5	10.5	87.1	395.7	187.2	582.9	22.0	(NA)	(NA)
2721	Periodicals -----	E1	211	60	6.2	91.0	1.1	2.3	12.5	279.7	175.7	455.3	(D)	(NA)	(NA)
2731	Book publishing -----	-	96	28	6.1	86.8	0.8	1.6	8.0	413.2	172.4	582.6	9.5	(NA)	(NA)
2752	Commercial printing, lithographic -----	-	644	175	16.3	261.7	11.9	23.3	170.9	456.7	374.6	827.2	(D)	(NA)	(NA)
2761	Manifold business forms -----	-	47	29	2.0	29.4	1.4	2.9	19.6	63.9	81.1	144.4	4.4	(NA)	(NA)
278	Blankbooks and bookbinding -----	-	122	50	6.6	71.7	5.5	10.6	51.3	143.4	69.5	209.0	(D)	(NA)	(NA)
2795	Lithographic platemaking services --	-	72	29	2.3	46.7	1.6	3.2	31.1	78.3	28.2	106.1	4.4	(NA)	(NA)
28	Chemicals and allied products -----	-	697	279	41.7	642.5	22.0	44.3	297.8	2 710.7	2 472.9	5 145.4	170.1	(NA)	(NA)
281	Industrial inorganic chemicals -----	-	39	19	2.4	41.6	1.8	3.8	30.0	189.5	214.9	400.1	(D)	(NA)	(NA)
283	Drugs -----	-	60	25	12.5	203.5	3.8	7.4	48.1	535.4	143.0	670.2	29.3	(NA)	(NA)
2834	Pharmaceutical preparations -----	-	49	19	12.0	195.1	3.6	6.9	44.6	514.0	125.3	631.7	(D)	(NA)	(NA)
2851	Paints and allied products -----	-	122	57	7.1	103.7	4.0	8.0	50.4	324.7	448.1	761.2	(D)	(NA)	(NA)
295	Paving and roofing materials -----	-	48	20	2.9	44.8	2.2	4.8	34.1	113.6	229.8	343.1	(D)	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	-	694	327	35.6	400.7	27.0	53.5	248.8	855.3	786.0	1 626.3	70.0	(NA)	(NA)
326	Pottery and related products -----	-	22	6	0.8	7.7	0.7	1.2	5.9	15.5	7.7	23.0	0.7	(NA)	(NA)
3269	Pottery products, n.e.c. --	-	16	5	0.7	6.0	0.6	1.0	4.8	12.0	6.5	18.3	(D)	(NA)	(NA)
33	Primary metal industries ----	-	452	253	116.8	2 189.9	92.1	180.6	1 644.0	3 895.4	7 752.5	11 610.6	515.6	(NA)	(NA)
3361	Aluminum foundries ----	-	65	33	2.8	32.2	2.4	4.7	24.1	64.6	63.3	127.6	3.6	(NA)	(NA)
3369	Nonferrous foundries, n.e.c. -----	-	37	14	1.7	21.8	1.5	2.8	16.6	40.9	47.9	91.0	(D)	(NA)	(NA)
3398	Metal heat treating -----	E1	47	23	1.5	19.4	1.2	2.3	12.9	42.3	14.2	56.3	(D)	(NA)	(NA)
34	Fabricated metal products ---	-	2 211	962	109.8	1 628.8	84.8	172.3	1 139.6	3 475.7	3 411.0	6 800.4	169.0	(NA)	(NA)
344	Fabricated structural metal products -----	-	451	195	15.2	214.6	10.7	20.9	130.9	475.3	501.1	941.1	16.6	(NA)	(NA)
3441	Fabricated structural metal -----	E1	113	46	4.1	59.6	3.1	6.0	41.1	125.8	127.4	239.3	4.4	(NA)	(NA)
3442	Metal doors, sash, and trim -----	E1	62	29	1.4	16.5	1.0	1.9	8.4	31.5	36.9	67.8	(D)	(NA)	(NA)
3443	Fabricated plate work (boiler shops) -----	E1	61	43	3.2	49.4	2.2	4.3	29.6	109.3	89.4	190.4	(D)	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Chicago-Gary, Ill.-Ind., SCSA—Con.														
34	Fabricated metal products—Con.														
344	Fabricated structural metal products—Con.														
3444	Sheet metal work -----	-	141	54	4.0	52.8	2.7	5.2	31.3	112.8	123.0	233.1	(D)	(NA)	(NA)
3448	Prefabricated metal buildings -----	-	9	6	1.0	13.2	0.6	1.3	7.4	28.1	60.4	86.0	(D)	(NA)	(NA)
345	Screw machine products, bolts, etc. -----	-	310	129	12.8	183.3	9.9	20.8	126.6	343.0	282.6	625.3	20.1	(NA)	(NA)
3451	Screw machine products -----	E1	197	70	5.0	65.7	4.2	8.8	47.9	111.3	74.2	185.3	(D)	(NA)	(NA)
3452	Bolts, nuts, rivets, and washers -----	-	113	59	7.8	117.5	5.7	12.0	78.7	231.7	208.4	440.0	(D)	(NA)	(NA)
3466	Crowns and closures -----	-	12	9	1.8	26.0	1.5	2.9	20.0	73.2	69.5	138.3	(D)	(NA)	(NA)
3469	Metal stampings, n.e.c. ---	-	300	137	12.1	167.9	9.9	20.1	117.6	342.1	362.1	696.3	22.9	(NA)	(NA)
349	Miscellaneous fabricated metal products -----	-	452	196	23.8	317.9	17.4	34.3	203.8	678.5	610.0	1 276.5	32.2	(NA)	(NA)
353	Construction and related machinery -----	-	126	57	25.0	439.2	17.6	33.6	287.0	1 065.2	1 400.1	2 523.7	(D)	(NA)	(NA)
3532	Mining machinery -----	-	6	4	0.7	11.0	0.5	1.0	6.2	19.0	15.5	32.7	(D)	(NA)	(NA)
3535	Conveyors and conveying equipment --	-	41	17	2.1	32.6	0.9	1.8	11.8	79.5	81.8	159.6	4.0	(NA)	(NA)
354	Metalworking machinery ---	-	871	198	22.7	337.1	16.4	33.3	220.8	648.7	355.8	972.5	31.9	(NA)	(NA)
3544	Special dies, tools, jigs, and fixtures -----	E2	623	108	7.5	125.3	6.1	13.0	91.0	212.1	85.3	293.9	15.2	(NA)	(NA)
3563	Air and gas compressors -----	-	13	12	1.7	23.4	1.1	2.1	12.9	61.5	58.9	118.6	(D)	(NA)	(NA)
357	Office and computing machines -----	-	53	26	9.4	134.1	4.2	8.0	49.9	311.4	242.8	568.0	(D)	(NA)	(NA)
36	Electric and electronic equipment -----	-	902	449	121.6	1 570.3	83.2	160.5	901.5	3 566.1	3 672.3	7 164.3	150.2	(NA)	(NA)
361	Electric distributing equipment -----	-	72	43	8.1	109.0	5.7	11.1	63.1	176.7	162.9	333.7	10.4	(NA)	(NA)
363	Household appliances -----	-	34	18	9.6	130.4	7.4	13.6	91.0	296.8	265.0	553.4	11.7	(NA)	(NA)
3644	Noncurrent-carrying wiring devices -----	-	18	13	4.5	59.7	3.2	6.3	36.5	134.3	123.8	259.6	(D)	(NA)	(NA)
3647	Vehicular lighting equipment -----	-	10	5	0.7	7.2	0.5	1.1	4.7	17.3	18.9	36.1	0.3	(NA)	(NA)
365	Radio and TV receiving equipment -----	-	66	27	16.0	188.1	11.2	20.2	108.0	634.1	974.7	1 624.5	(D)	(NA)	(NA)
366	Communication equipment -----	-	100	44	39.1	579.0	23.5	44.6	303.3	1 317.9	1 271.9	2 538.8	56.4	(NA)	(NA)
367	Electronic components and accessories -----	E1	242	114	20.4	230.5	14.9	30.9	143.1	410.6	318.7	720.5	17.6	(NA)	(NA)
369	Miscellaneous electrical equipment and supplies --	-	96	44	5.9	73.4	4.0	7.7	38.1	156.5	202.4	348.5	12.5	(NA)	(NA)
3693	X-ray, electromedical, and electrotherapeutic apparatus -----	-	22	11	1.2	17.3	0.7	1.3	6.9	41.0	40.8	75.6	(D)	(NA)	(NA)
37	Transportation equipment ---	-	209	94	36.5	601.1	28.6	58.7	434.0	1 375.7	2 586.3	3 935.7	61.1	(NA)	(NA)
38	Instruments and related products -----	-	431	171	36.4	483.8	21.6	42.3	233.0	1 042.8	730.3	1 728.5	38.7	(NA)	(NA)
3811	Engineering and scientific instruments --	-	40	16	2.5	30.4	1.3	2.5	13.0	84.3	54.3	135.3	2.3	(NA)	(NA)
395	Pens, pencils, office and art supplies -----	-	57	19	2.2	27.6	1.4	2.8	12.8	59.8	47.1	105.8	(D)	(NA)	(NA)
	Bloomington-Normal SMSA --	-	106	41	8.1	88.9	4.4	8.0	45.1	202.4	304.0	496.5	16.4	6.6	143.5
20	Food and kindred products --	-	16	8	0.8	10.2	0.5	0.8	4.7	29.5	104.4	133.6	6.4	(NA)	(NA)
	Champaign-Urbana-Rantoul SMSA -----	-	143	42	7.3	83.3	5.1	9.1	55.1	192.5	882.2	1 076.2	14.9	4.4	79.1
2711	Newspapers -----	-	7	4	0.7	4.9	0.1	0.2	1.7	8.4	2.5	10.9	(D)	0.5	5.7
	Chicago SMSA -----	-	14 547	5 604	884.3	12 953.9	567.8	1 118.0	7 022.8	27 542.1	31 441.8	58 567.9	1 448.9	909.6	17 573.8
20	Food and kindred products --	-	734	364	67.4	944.2	47.5	96.0	605.7	3 118.4	4 708.4	7 811.6	150.5	72.8	2 039.6
201	Meat products -----	-	124	56	8.9	136.7	7.4	15.2	104.3	301.6	1 072.2	1 366.2	18.4	(NA)	(NA)
2011	Meat packing plants -----	-	32	13	1.3	19.3	1.1	2.5	15.4	52.3	343.8	395.4	(D)	(NA)	(NA)
2013	Sausages and other prepared meats -----	-	86	40	7.3	114.6	6.0	12.1	86.8	243.3	714.0	950.5	(D)	(NA)	(NA)
202	Dairy products -----	-	66	34	2.8	45.8	1.4	2.8	20.9	149.0	332.7	481.1	8.1	(NA)	104.1
2026	Fluid milk -----	-	26	17	1.6	28.7	0.8	1.5	13.5	92.8	237.4	329.8	(D)	(NA)	(NA)
204	Grain mill products -----	-	40	21	5.1	78.3	3.6	7.7	58.5	323.6	448.0	774.3	35.0	(NA)	(NA)
2045	Blended and prepared flour -----	E2	12	7	1.1	8.9	0.5	1.1	6.2	36.0	77.6	113.9	0.8	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
Chicago SMSA—Con.															
20	Food and kindred products—Con.														
205	Bakery products -----	-	121	55	14.2	194.9	9.5	20.1	122.4	513.6	384.0	896.9	10.3	16.0	388.3
206	Sugar and confectionery products -----	-	74	48	14.8	181.0	11.9	22.3	133.7	620.8	697.8	1 307.3	18.9	(NA)	(NA)
2079	Shortening and cooking oils -----	-	10	8	0.9	14.8	0.7	1.4	9.3	22.3	239.4	269.7	8.0	(NA)	(NA)
208	Beverages -----	-	83	46	6.9	112.4	3.6	7.6	52.3	544.9	554.0	1 094.5	22.0	7.2	313.9
2086	Bottled and canned soft drinks -----	-	36	18	3.6	65.4	1.4	3.1	22.4	145.2	240.9	384.2	13.5	3.9	73.4
209	Miscellaneous foods and kindred products -----	-	118	50	6.5	86.1	4.5	9.2	48.1	310.5	441.5	750.2	9.9	(NA)	(NA)
2091	Canned and cured seafoods -----	-	5	3	0.3	2.7	0.2	0.4	1.7	5.7	15.3	20.9	(D)	(NA)	(NA)
2095	Roasted coffee -----	-	7	3	0.4	5.0	0.3	0.7	4.3	14.9	60.7	75.2	(D)	0.6	25.1
2099	Food preparations, n.e.c. -----	-	83	36	4.9	67.1	3.2	6.3	34.3	252.1	322.9	574.1	(D)	(NA)	(NA)
23	Apparel and other textile products -----	-	441	147	16.8	152.8	13.3	23.9	99.0	314.2	361.1	670.8	5.8	20.3	252.2
233	Women's and misses' outerwear -----	E1	98	42	4.2	35.4	3.5	6.1	23.6	73.1	91.9	164.8	(D)	(NA)	(NA)
238	Miscellaneous apparel and accessories -----	-	21	8	1.1	9.2	0.8	1.5	5.1	16.9	19.8	36.4	(D)	(NA)	(NA)
239	Miscellaneous fabricated textile products -----	-	242	73	5.9	52.0	4.8	8.8	35.1	106.4	159.1	265.3	(D)	(NA)	(NA)
2391	Curtains and draperies --	E2	70	6	0.6	4.8	0.6	1.0	3.4	7.8	7.8	15.5	(D)	(NA)	(NA)
2392	House furnishings, n.e.c. -----	E1	62	27	2.2	20.0	1.9	3.7	13.8	45.3	60.7	105.8	1.1	(NA)	(NA)
2394	Canvas and related products -----	-	25	7	0.4	3.9	0.4	0.6	2.5	9.0	9.3	18.1	0.2	(NA)	(NA)
24	Lumber and wood products --	E1	318	86	8.1	84.8	6.4	12.0	58.1	164.3	190.0	353.0	14.3	(NA)	(NA)
243	Millwork, plywood, and structural members -----	E2	139	35	2.6	31.5	2.1	4.2	22.3	64.2	96.1	159.4	(D)	2.6	39.6
2431	Millwork -----	E2	74	21	1.5	18.0	1.2	2.3	12.6	37.0	50.8	87.1	(D)	(NA)	(NA)
244	Wood containers -----	E4	24	6	0.3	2.8	0.2	0.5	2.1	4.4	4.1	8.5	0.2	(NA)	(NA)
249	Miscellaneous wood products -----	-	117	37	4.7	45.0	3.7	6.6	29.5	85.0	76.1	160.7	4.4	5.0	68.9
25	Furniture and fixtures -----	-	364	140	18.6	217.2	14.6	28.4	149.5	414.5	416.1	825.3	18.4	(NA)	(NA)
251	Household furniture -----	E1	175	71	8.8	92.1	7.2	14.2	63.9	182.1	195.9	376.1	7.1	(NA)	(NA)
2511	Wood household furniture -----	E3	69	22	1.6	13.5	1.4	2.9	10.3	27.0	25.6	52.3	0.9	(NA)	(NA)
2514	Metal household furniture -----	-	30	16	3.9	46.0	3.0	5.9	29.1	90.9	98.4	188.6	(D)	(NA)	(NA)
2515	Mattresses and bedsprings -----	E1	32	12	0.8	9.9	0.7	1.2	6.2	25.9	29.4	54.4	(D)	(NA)	(NA)
254	Partitions and fixtures ----	-	107	37	4.5	56.2	3.4	6.6	36.9	107.9	100.1	208.0	5.9	(NA)	(NA)
2541	Wood partitions and fixtures -----	E1	65	16	1.6	20.3	1.3	2.6	13.9	33.6	27.1	60.7	(D)	(NA)	(NA)
2542	Metal partitions and fixtures -----	-	42	21	2.9	36.0	2.1	4.0	23.0	74.3	73.0	147.4	(D)	(NA)	(NA)
26	Paper and allied products ---	-	377	241	28.4	374.4	21.8	43.8	240.5	796.6	1 079.4	1 867.7	72.2	30.5	544.0
264	Miscellaneous converted paper products -----	-	178	98	12.5	159.7	9.2	18.5	99.7	365.9	436.1	796.0	26.5	12.3	234.4
265	Paperboard containers and boxes -----	-	190	135	15.0	200.4	11.8	23.8	129.3	388.4	599.4	984.7	31.2	(NA)	(NA)
2651	Folding paperboard boxes -----	-	42	27	3.2	45.5	2.6	5.4	31.9	84.9	122.8	207.6	4.3	(NA)	(NA)
2653	Corrugated and solid fiber boxes -----	-	105	78	7.5	103.8	5.3	10.6	61.6	194.1	321.6	515.0	16.8	8.0	128.4
2661	Building paper and board mills -----	-	4	4	0.3	5.1	0.3	0.6	4.3	15.6	16.6	33.2	(D)	(NA)	(NA)
2711	Newspapers -----	-	147	47	13.1	186.0	6.2	10.1	83.5	372.0	178.2	550.3	20.8	15.0	302.1
2721	Periodicals -----	E1	207	58	6.1	90.3	1.0	2.3	12.4	278.4	175.3	453.7	24.8	(NA)	(NA)
273	Books -----	-	148	41	7.1	101.6	1.7	3.1	17.8	439.0	192.3	628.2	10.6	(NA)	(NA)
2731	Book publishing -----	-	96	28	6.1	86.8	0.8	1.6	8.0	413.2	172.4	582.6	9.5	(NA)	(NA)
2732	Book printing -----	E1	52	13	1.0	14.8	0.8	1.5	9.8	25.8	19.9	45.6	1.0	(NA)	(NA)
2741	Miscellaneous publishing -----	-	100	28	4.7	71.1	1.8	3.4	22.8	191.9	122.8	312.6	5.2	(NA)	(NA)
275	Commercial printing -----	E1	1 359	282	32.2	504.3	24.4	48.0	347.6	878.5	624.4	1 497.2	47.2	(NA)	(NA)
2751	Commercial printing, letterpress -----	E1	673	88	13.5	197.2	10.4	20.7	139.3	349.3	208.5	557.0	(D)	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials² (million dollars)	Value of ship- ments² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Chicago SMSA—Con.														
275	Commercial printing—Con.														
2761	Manifold business forms-----	-	47	29	2.0	29.4	1.4	2.9	19.6	63.9	81.1	144.4	4.4	(NA)	(NA)
278	Blankbooks and bookbinding-----	-	122	50	6.6	71.7	5.5	10.6	51.3	143.4	69.5	209.0	(D)	6.1	82.2
279	Printing trade services-----	-	257	65	5.2	92.6	4.0	7.5	65.0	157.7	40.8	197.2	7.6	(NA)	(NA)
2795	Lithographic platemaking services--	-	72	29	2.3	46.7	1.6	3.2	31.1	78.3	28.2	106.1	4.4	(NA)	(NA)
28	Chemicals and allied products-----	-	671	266	39.5	601.7	20.4	41.0	269.1	2 516.7	2 233.6	4 715.0	144.1	39.0	1 528.9
281	Industrial inorganic chemicals-----	-	30	13	1.8	30.0	1.3	2.9	21.9	114.6	128.9	243.2	12.3	2.3	65.8
2819	Industrial inorganic chemicals, n.e.c.-----	-	15	8	1.5	25.4	1.1	2.4	18.5	94.1	106.2	200.6	(D)	(NA)	(NA)
283	Drugs-----	-	60	25	12.5	203.5	3.8	7.4	48.1	535.4	143.0	670.2	29.3	(NA)	(NA)
2834	Pharmaceutical preparations-----	-	49	19	12.0	195.1	3.6	6.9	44.6	514.0	125.3	631.7	(D)	9.1	278.3
284	Soaps, cleaners, and toilet goods-----	-	182	63	9.1	127.9	5.9	12.3	78.7	1 059.4	676.8	1 723.0	41.4	(NA)	(NA)
2851	Paints and allied products-----	-	117	56	7.0	102.6	3.9	7.9	49.7	322.0	440.8	751.1	(D)	6.8	196.5
2869	Industrial organic chemicals, n.e.c.-----	-	21	5	0.7	10.1	0.4	0.6	5.8	29.0	51.0	78.6	2.4	(NA)	(NA)
289	Miscellaneous chemical products-----	-	207	77	5.9	86.5	3.3	6.7	40.8	325.3	441.1	766.8	14.3	(NA)	(NA)
2899	Chemical preparations, n.e.c.-----	-	109	30	2.4	34.6	1.3	2.7	16.7	198.6	197.5	396.1	8.6	(NA)	(NA)
29	Petroleum and coal products-----	-	92	41	6.4	112.5	4.4	9.3	75.5	1 049.8	2 505.8	3 553.3	16.7	6.1	221.1
295	Paving and roofing materials-----	-	42	17	2.6	40.8	2.0	4.4	31.1	101.0	207.6	308.0	5.4	(NA)	(NA)
30	Rubber and miscellaneous plastics products-----	-	681	324	35.4	398.9	26.8	53.2	247.6	851.4	782.0	1 618.5	69.8	27.5	433.1
31	Leather and leather products-----	E1	84	28	4.0	41.9	3.0	5.5	24.7	62.6	72.3	134.1	1.9	(NA)	(NA)
32	Stone, clay, and glass products-----	-	419	182	19.4	264.8	14.6	27.9	176.3	562.4	543.9	1 098.3	39.5	19.9	393.6
325	Structural clay products---	-	8	6	0.3	3.8	0.3	0.6	3.2	13.7	17.8	31.0	0.7	(NA)	(NA)
326	Pottery and related products-----	-	22	6	0.8	7.7	0.7	1.2	5.9	15.5	7.7	23.0	0.7	(NA)	(NA)
3269	Pottery products, n.e.c.---	-	16	5	0.7	6.0	0.6	1.0	4.8	12.0	6.5	18.3	(D)	(NA)	(NA)
327	Concrete, gypsum, and plaster products-----	-	167	76	3.8	61.0	2.9	5.8	41.9	140.1	182.7	322.3	12.9	3.9	91.5
3272	Concrete products, n.e.c.-----	E1	65	21	1.2	17.2	0.9	1.7	11.0	34.2	29.3	62.7	2.6	(NA)	(NA)
3273	Ready-mixed concrete---	-	73	44	2.0	33.5	1.5	3.1	23.8	73.3	103.6	176.6	8.3	(NA)	(NA)
329	Miscellaneous nonmetallic mineral products-----	-	128	64	9.7	132.5	6.8	12.5	79.4	275.3	233.6	506.0	14.7	10.5	213.9
3296	Mineral wool-----	-	6	4	0.6	9.8	0.5	1.0	7.3	24.6	16.3	39.9	(D)	(NA)	(NA)
3299	Nonmetallic mineral products, n.e.c.-----	E1	27	7	0.4	4.8	0.4	0.7	3.5	8.4	7.7	15.7	(D)	0.5	7.0
33	Primary metal industries-----	-	423	231	51.5	877.3	40.7	81.1	652.3	1 815.6	3 204.2	4 948.4	130.0	59.2	1 121.1
331	Blast furnace and basic steel products-----	-	91	55	30.2	560.1	23.8	46.8	424.1	1 137.6	1 771.7	2 864.9	75.2	34.2	674.2
332	Iron and steel foundries---	-	52	37	5.9	82.9	4.8	9.5	61.3	167.2	144.2	309.4	(D)	6.3	111.5
3341	Secondary nonferrous metals-----	-	30	21	1.7	27.0	1.2	2.5	14.9	43.3	344.1	388.0	5.2	(NA)	(NA)
335	Nonferrous rolling and drawing-----	-	42	30	6.7	120.3	5.1	10.8	88.6	292.9	775.3	1 042.4	14.3	(NA)	(NA)
3361	Aluminum foundries-----	-	65	33	2.8	32.2	2.4	4.7	24.1	64.6	63.3	127.6	3.6	(NA)	(NA)
3369	Nonferrous foundries, n.e.c.-----	-	37	14	1.7	21.8	1.5	2.8	16.6	40.9	47.9	91.0	(D)	(NA)	(NA)
339	Miscellaneous primary metal products-----	E1	69	28	1.7	22.5	1.3	2.7	15.1	50.0	29.6	78.2	8.4	2.1	38.4
3398	Metal heat treating-----	E1	44	22	1.5	18.7	1.1	2.3	12.6	41.4	14.0	55.1	(D)	(NA)	(NA)
3399	Primary metal products, n.e.c.-----	E1	25	6	0.3	3.7	0.2	0.4	2.6	8.7	15.6	23.1	(D)	(NA)	(NA)
34	Fabricated metal products---	-	2 149	923	101.8	1 485.3	78.7	160.0	1 032.6	3 091.5	2 972.7	5 996.1	159.3	110.2	2 064.5
341	Metal cans and shipping containers-----	-	37	32	7.9	139.6	6.5	13.8	111.3	295.4	379.8	667.3	18.6	(NA)	(NA)
342	Cutlery, hand tools, and hardware-----	-	135	63	7.3	84.5	5.7	10.7	56.1	210.9	135.2	340.8	8.5	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Chicago SMSA—Con.														
34	Fabricated metal products— Con.														
342	Cutlery, hand tools, and hardware—Con.														
3423	Hand and edge tools, n.e.c.-----	-	46	17	2.2	29.0	1.8	3.4	20.8	80.0	42.1	119.2	(D)	(NA)	(NA)
344	Fabricated structural metal products-----	E1	424	178	13.0	178.9	9.2	18.0	107.8	380.7	416.1	783.6	14.3	14.3	274.9
3441	Fabricated structural metal-----	E1	104	40	3.1	44.5	2.4	4.8	31.1	88.7	101.2	189.5	3.3	3.6	74.6
3442	Metal doors, sash, and trim-----	E1	61	29	1.4	16.4	0.9	1.9	8.4	31.3	36.6	67.4	1.7	2.4	37.3
3443	Fabricated plate work (boiler shops)-----	E2	54	37	2.3	34.2	1.6	3.1	20.5	61.5	43.8	104.8	2.3	2.2	54.2
3444	Sheet metal work-----	-	135	49	3.7	47.6	2.5	4.7	27.5	103.5	110.2	211.7	3.5	3.2	55.8
3448	Prefabricated metal buildings-----	-	9	6	1.0	13.2	0.6	1.3	7.4	28.1	60.4	86.0	(D)	(NA)	(NA)
345	Screw machine products, bolts, etc.-----	-	302	123	12.2	175.3	9.5	20.0	120.9	330.3	264.9	589.1	19.6	13.2	248.2
3451	Screw machine products-----	E1	193	68	4.9	65.1	4.1	8.7	47.3	109.9	73.1	182.8	6.7	(NA)	(NA)
3452	Bolts, nuts, rivets, and washers-----	-	109	55	7.3	110.3	5.4	11.3	73.6	220.4	191.8	406.4	12.9	7.3	149.4
346	Metal forgings and stampings-----	-	372	188	27.7	470.7	23.0	47.8	357.9	968.5	997.1	1 942.4	56.3	(NA)	(NA)
3469	Metal stampings, n.e.c.---	-	300	137	12.1	167.9	9.9	20.1	117.6	342.1	362.1	696.3	22.9	(NA)	(NA)
347	Metal services, n.e.c.---	-	383	128	8.2	98.7	6.6	13.7	67.0	182.3	141.3	322.6	9.8	8.5	125.8
349	Miscellaneous fabricated metal products-----	-	442	189	22.0	290.9	16.1	31.7	185.2	620.6	552.7	1 163.8	28.0	25.1	439.4
35	Machinery, except electrical	-	2 538	728	113.2	1 747.4	77.8	152.4	1 071.7	3 674.2	3 451.2	7 138.3	214.2	108.8	2 082.9
353	Construction and related machinery-----	-	120	54	24.9	437.3	17.5	33.4	285.7	1 060.5	1 397.3	2 516.2	(D)	(NA)	(NA)
3531	Construction machinery---	-	34	19	18.8	342.2	14.0	26.4	238.1	851.3	1 168.6	2 085.1	71.0	(NA)	(NA)
3532	Mining machinery-----	-	6	4	0.7	11.0	0.5	1.0	6.2	19.0	15.5	32.7	(D)	(NA)	(NA)
3535	Conveyors and conveying equipment---	-	41	17	2.1	32.6	0.9	1.8	11.8	79.5	81.8	159.6	4.0	(NA)	(NA)
354	Metalworking machinery---	-	855	195	22.4	333.9	16.3	33.0	218.7	638.8	351.7	959.2	31.4	(NA)	(NA)
3542	Machine tools, metal forming types-----	-	37	16	4.8	72.0	3.3	6.5	47.5	123.3	81.7	189.2	3.4	5.3	75.0
3544	Special dies, tools, jigs, and fixtures-----	E2	618	108	7.5	124.7	6.1	12.9	90.6	211.3	85.1	292.9	15.2	(NA)	(NA)
3545	Machine tool accessories-----	-	80	29	3.8	50.2	2.8	5.7	33.6	112.8	54.3	162.3	5.2	4.0	72.1
355	Special industry machinery-----	-	241	92	8.8	131.5	5.6	11.2	71.7	257.4	219.0	472.5	12.1	(NA)	(NA)
3551	Food products machinery-----	-	57	28	2.6	39.8	1.5	3.0	19.9	70.4	61.4	130.2	(D)	(NA)	(NA)
356	General industrial machinery-----	-	297	130	18.1	258.2	12.5	24.8	159.4	563.4	391.7	950.6	20.4	(NA)	(NA)
3563	Air and gas compressors-----	-	13	12	1.7	23.4	1.1	2.1	12.9	61.5	58.9	118.6	(D)	(NA)	(NA)
357	Office and computing machines-----	-	53	26	9.4	134.1	4.2	8.0	49.9	311.4	242.8	568.0	(D)	7.9	164.7
358	Refrigeration and service machinery-----	-	116	56	7.1	98.1	4.4	8.7	51.1	214.5	198.1	404.7	(D)	(NA)	(NA)
359	Miscellaneous machinery, except electrical-----	E2	818	149	11.5	158.7	8.8	17.7	106.1	282.6	141.1	419.6	20.3	8.5	146.6
3599	Machinery, except electrical, n.e.c.-----	E2	813	147	11.4	157.6	8.7	17.6	105.4	279.2	139.5	414.6	(D)	8.5	145.7
36	Electric and electronic equipment-----	-	895	445	121.2	1 564.9	82.8	159.8	898.4	3 552.9	3 664.5	7 143.7	149.4	131.8	2 483.6
361	Electric distributing equipment-----	-	72	43	8.1	109.0	5.7	11.1	63.1	176.7	162.9	333.7	10.4	9.0	128.4
362	Electrical industrial apparatus-----	-	111	66	7.6	81.8	5.5	10.8	47.5	170.4	124.4	291.1	(D)	(NA)	(NA)
363	Household appliances---	-	34	18	9.6	130.4	7.4	13.6	91.0	296.8	265.0	553.4	11.7	12.5	242.6
364	Electric lighting and wiring equipment-----	-	177	90	14.5	173.3	10.7	21.0	104.7	391.1	345.4	735.2	18.1	(NA)	(NA)
3644	Noncurrent-carrying wiring devices-----	-	18	13	4.5	59.7	3.2	6.3	36.5	134.3	123.8	259.6	(D)	(NA)	(NA)
3647	Vehicular lighting equipment-----	-	10	5	0.7	7.2	0.5	1.1	4.7	17.3	18.9	36.1	0.3	(NA)	(NA)
365	Radio and TV receiving equipment-----	-	66	27	16.0	188.1	11.2	20.2	108.0	634.1	974.7	1 624.5	(D)	20.6	538.8
366	Communication equipment-----	-	100	44	39.1	579.0	23.5	44.6	303.3	1 317.9	1 271.9	2 538.8	56.4	45.3	891.2
367	Electronic components and accessories-----	E1	239	113	20.3	229.9	14.8	30.8	142.7	409.4	317.8	718.4	17.6	(NA)	(NA)
369	Miscellaneous electrical equipment and supplies---	-	96	44	5.9	73.4	4.0	7.7	38.1	156.5	202.4	348.5	12.5	5.0	85.2
37	Transportation equipment---	-	195	86	30.1	494.9	23.4	48.5	354.9	1 190.9	2 411.0	3 553.4	57.0	29.9	853.9

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Chicago SMSA—Con.														
38	Instruments and related products -----	-	424	168	36.1	481.5	21.4	41.8	231.5	1 039.0	728.4	1 722.7	38.5	(NA)	(NA)
3811	Engineering and scientific instruments --	-	40	16	2.5	30.4	1.3	2.5	13.0	84.3	54.3	135.3	2.3	(NA)	(NA)
382	Measuring and controlling devices -----	-	110	59	15.1	200.8	8.5	16.8	93.6	441.6	277.8	705.5	14.5	(NA)	(NA)
3829	Measuring and controlling devices, n.e.c. -----	-	31	15	3.2	49.3	1.3	2.8	16.0	100.1	63.5	157.5	4.7	(NA)	(NA)
384	Medical instruments and supplies -----	-	124	39	6.8	93.0	4.4	8.4	48.6	257.9	156.3	400.8	7.4	(NA)	(NA)
3842	Surgical appliances and supplies -----	-	46	12	4.0	56.0	2.6	4.7	31.1	174.6	106.0	270.9	(D)	(NA)	(NA)
3931	Musical instruments -----	-	36	14	3.4	37.8	2.7	4.6	23.9	63.3	66.5	140.5	(D)	(NA)	(NA)
394	Toys and sporting goods --	-	122	48	5.7	60.2	4.3	8.2	35.8	155.6	125.6	281.7	(D)	(NA)	(NA)
3944	Games, toys, and children's vehicles -----	-	55	22	3.5	36.8	2.5	4.8	20.0	101.2	79.5	182.8	(D)	(NA)	(NA)
395	Pens, pencils, office and art supplies -----	-	57	19	2.2	27.6	1.4	2.8	12.8	59.8	47.1	105.8	(D)	2.9	52.4
396	Costume jewelry and notions -----	E2	36	9	0.6	5.3	0.5	0.9	3.4	15.1	10.6	25.5	(D)	(NA)	(NA)
	Davenport-Rock Island-Moline, Iowa-Ill., SMSA -----	-	460	174	47.7	823.3	33.5	63.3	523.8	1 615.4	2 719.5	4 286.8	167.1	41.7	852.2
20	Food and kindred products --	-	48	22	4.6	73.6	3.6	6.7	54.3	219.9	590.7	809.7	14.0	4.4	113.1
201	Meat products -----	-	9	7	2.7	44.9	2.3	4.1	35.9	71.5	433.9	506.1	(D)	2.6	36.9
205	Bakery products -----	-	10	3	0.4	6.1	0.3	0.5	3.5	20.0	13.7	33.7	0.5	0.4	10.8
2051	Bread, cake, and related products -----	-	10	3	0.4	6.1	0.3	0.5	3.5	20.0	13.7	33.7	0.5	0.4	10.8
23	Apparel and other textile products -----	-	8	4	0.6	5.0	0.5	0.9	3.9	6.8	3.4	10.4	(D)	0.7	7.4
24	Lumber and wood products --	E1	26	11	0.9	9.9	0.7	1.4	7.1	21.4	32.8	53.7	0.8	0.8	10.7
243	Millwork, plywood, and structural members -----	-	6	3	0.5	5.6	0.4	0.8	4.2	11.0	12.4	23.0	(D)	0.6	8.8
27	Printing and publishing -----	-	62	13	1.7	18.3	0.9	1.6	8.8	36.6	21.2	57.6	1.8	1.5	23.4
2711	Newspapers -----	-	14	5	0.8	7.2	0.2	0.4	2.5	19.6	5.0	24.6	0.8	(NA)	(NA)
275	Commercial printing -----	-	40	5	0.7	8.9	0.6	0.9	4.9	13.2	10.4	23.5	0.9	0.6	9.1
28	Chemicals and allied products -----	-	11	5	0.5	8.2	0.4	0.7	4.9	33.3	48.4	80.3	2.0	0.3	7.6
32	Stone, clay, and glass products -----	-	23	7	0.7	10.8	0.6	1.1	7.7	25.3	26.7	51.7	2.3	0.6	13.7
3273	Ready-mixed concrete --	-	9	3	0.4	4.9	0.3	0.5	3.2	11.0	15.0	26.0	1.6	(NA)	(NA)
33	Primary metal industries ----	-	25	16	5.9	114.2	4.7	9.5	85.0	188.6	549.2	682.8	21.8	5.9	103.4
34	Fabricated metal products ---	-	54	18	2.3	27.1	1.8	3.3	18.5	45.6	39.5	84.8	2.4	2.2	37.5
344	Fabricated structural metal products -----	-	17	9	1.2	12.2	0.9	1.7	8.1	23.0	19.6	40.5	0.6	0.7	9.6
346	Metal forgings and stampings -----	-	10	3	0.3	4.5	0.2	0.4	3.0	5.9	6.9	13.7	(D)	(NA)	(NA)
35	Machinery, except electrical -	-	128	50	24.6	445.6	18.3	34.6	313.1	971.6	1 350.1	2 334.0	117.7	19.4	460.9
353	Construction and related machinery -----	-	13	11	5.2	96.8	3.7	7.1	64.2	160.9	281.1	435.9	58.2	3.5	65.9
356	General industrial machinery -----	-	20	5	1.0	13.9	0.6	1.3	7.8	30.3	18.0	47.4	(D)	0.7	14.1
36	Electric and electronic equipment -----	-	11	5	0.4	3.5	0.3	0.4	2.4	7.1	6.6	13.2	0.6	(NA)	(NA)
	Decatur SMSA -----	-	139	52	19.1	305.9	13.9	25.7	204.0	695.6	1 608.0	2 336.9	64.3	19.7	409.0
344	Fabricated structural metal products -----	-	7	4	0.5	5.8	0.4	0.5	3.7	9.5	16.4	27.1	(D)	0.5	13.1
356	General industrial machinery -----	-	9	3	0.3	5.1	0.2	0.5	2.8	9.4	8.8	18.4	(D)	(NA)	(NA)
--	Administrative and auxiliary --	-	7	5	1.1	22.2	-	-	-	-	-	-	-	(NA)	(NA)
	Kankakee SMSA -----	-	115	52	11.2	156.3	7.6	14.7	100.0	463.7	546.8	994.4	31.3	11.0	373.0
20	Food and kindred products --	-	10	5	1.5	26.5	1.0	2.2	17.2	130.5	194.0	325.6	(D)	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
28	Kankakee SMSA—Con.														
	Chemicals and allied products-----	-	9	7	1.8	28.2	1.0	2.1	14.8	106.1	110.3	215.5	6.3	(NA)	(NA)
36	Electric and electronic equipment-----	-	5	5	2.8	41.0	2.1	3.7	28.7	93.7	108.2	194.9	(D)	(NA)	(NA)
-	Administrative and auxiliary--	-	4	4	0.5	4.1	-	-	-	-	-	-	-	(NA)	(NA)
	Peoria SMSA-----	-	384	141	52.3	988.0	30.6	57.7	511.0	1 533.8	2 421.9	3 938.4	355.5	44.9	1 138.8
20	Food and kindred products--	-	42	23	4.7	76.5	3.2	6.1	52.8	187.1	337.0	524.6	(D)	5.5	159.8
202	Dairy products-----	-	6	4	0.3	4.6	0.2	0.4	2.5	11.9	39.7	51.6	0.3	0.4	7.2
204	Grain mill products-----	-	6	4	1.0	16.7	0.7	1.4	12.5	32.9	75.8	109.9	(D)	1.1	16.3
205	Bakery products-----	-	7	4	0.6	7.8	0.2	0.5	3.3	15.3	6.9	22.2	(D)	0.5	8.8
2051	Bread, cake, and related products-----	-	7	4	0.6	7.8	0.2	0.5	3.3	15.3	6.9	22.2	(D)	0.5	8.8
208	Beverages-----	-	7	7	2.4	43.0	1.7	3.1	30.8	109.2	178.1	286.6	(D)	3.1	119.0
27	Printing and publishing-----	-	81	15	2.3	32.2	1.3	2.4	17.3	63.0	38.0	101.1	(D)	2.2	41.8
275	Commercial printing-----	-	50	9	1.4	20.7	1.0	1.9	14.0	36.3	29.2	65.7	(D)	1.1	23.7
28	Chemicals and allied products-----	-	13	5	0.6	10.7	0.5	0.9	7.5	39.2	87.0	120.4	46.0	0.5	23.1
3273	Ready-mixed concrete--	E2	17	4	0.3	4.3	0.2	0.3	2.7	9.8	9.8	19.6	3.0	(NA)	(NA)
336	Nonferrous foundries-----	-	8	4	0.3	4.3	0.3	0.5	3.4	9.4	6.5	15.7	0.2	(NA)	(NA)
34	Fabricated metal products---	-	37	20	1.5	20.5	1.1	2.2	13.4	64.9	69.9	133.8	(D)	(NA)	(NA)
344	Fabricated structural metal products-----	-	21	12	1.0	13.3	0.7	1.3	7.5	31.2	35.6	65.9	(D)	(NA)	(NA)
3444	Sheet metal work-----	-	6	5	0.4	4.5	0.3	0.5	2.9	13.7	13.1	26.5	(D)	(NA)	(NA)
352	Farm and garden machinery-----	E4	9	7	0.7	8.7	0.6	1.1	6.0	24.6	21.2	44.7	(D)	0.6	10.7
3523	Farm machinery and equipment-----	E4	9	7	0.7	8.7	0.6	1.1	6.0	24.6	21.2	44.7	(D)	0.6	10.7
3537	Industrial trucks and tractors-----	-	3	3	0.3	6.2	0.2	0.4	3.4	10.0	6.7	17.2	(D)	(NA)	(NA)
359	Miscellaneous machinery, except electrical-----	E2	27	9	0.5	6.4	0.4	0.8	4.4	11.9	11.7	23.6	(D)	0.3	5.3
3599	Machinery, except electrical, n.e.c.-----	E2	27	9	0.5	6.4	0.4	0.8	4.4	11.9	11.7	23.6	(D)	0.3	5.3
	Rockford SMSA-----	-	723	261	50.0	740.6	34.4	71.4	461.5	1 595.2	1 552.3	3 107.5	119.3	53.6	1 087.9
20	Food and kindred products--	-	27	18	2.3	29.2	1.7	3.5	19.4	151.9	168.8	319.2	7.9	2.5	65.4
205	Bakery products-----	-	5	4	0.3	4.8	0.2	0.4	2.9	11.7	8.6	20.3	(D)	0.4	7.2
2051	Bread, cake, and related products-----	-	5	4	0.3	4.8	0.2	0.4	2.9	11.7	8.6	20.3	(D)	0.4	7.2
209	Miscellaneous foods and kindred products-----	-	5	3	0.3	2.8	0.2	0.5	2.0	7.7	10.9	18.5	(D)	0.3	5.1
275	Commercial printing-----	E1	38	5	0.3	3.5	0.2	0.4	2.5	5.7	5.1	10.8	(D)	0.3	3.4
28	Chemicals and allied products-----	-	14	9	1.8	25.5	1.5	3.3	18.0	155.1	70.0	225.3	(D)	1.5	101.9
3272	Concrete products, n.e.c.-----	-	11	4	0.3	5.4	0.2	0.5	2.7	10.5	8.9	18.7	0.6	0.4	8.9
329	Miscellaneous nonmetallic mineral products-----	-	7	3	0.5	7.2	0.4	0.8	4.7	24.2	11.7	35.2	1.0	(NA)	(NA)
336	Nonferrous foundries-----	-	9	4	0.3	3.3	0.3	0.5	1.8	4.5	5.5	10.0	(D)	0.4	5.3
34	Fabricated metal products---	-	143	57	12.7	179.4	9.4	19.4	122.1	357.8	269.2	625.2	27.0	14.2	245.1
341	Metal cans and shipping containers-----	-	3	3	0.8	13.0	0.6	1.3	9.1	32.4	28.4	61.4	(D)	0.9	15.2
3411	Metal cans-----	-	3	3	0.8	13.0	0.6	1.3	9.1	32.4	28.4	61.4	(D)	0.9	15.2
342	Cutlery, hand tools, and hardware-----	-	15	9	4.5	60.3	3.1	5.8	36.5	121.2	76.5	198.9	13.6	6.1	105.7
3429	Hardware, n.e.c.-----	-	9	6	4.2	56.9	2.9	5.4	33.9	112.1	73.2	186.5	13.5	5.9	101.1
345	Screw machine products, bolts, etc.-----	-	52	24	5.4	78.4	4.2	9.1	58.5	147.9	120.8	265.9	10.1	5.0	88.4
3451	Screw machine products-----	-	28	11	1.6	22.1	1.2	2.6	14.2	41.0	29.7	69.1	(D)	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Rockford SMSA—Con.														
34	Fabricated metal products—Con.														
345	Screw machine products, bolts, etc.—Con.														
3452	Bolts, nuts, rivets, and washers -----	-	24	13	3.8	56.3	3.0	6.6	44.3	106.9	91.2	196.7	(D)	(NA)	(NA)
346	Metal forgings and stampings -----	-	11	4	0.6	9.3	0.4	0.9	6.6	17.8	18.5	35.7	0.8	0.8	14.7
349	Miscellaneous fabricated metal products -----	-	25	9	0.8	9.0	0.6	1.2	6.0	21.5	14.3	36.0	0.8	0.6	8.2
35	Machinery, except electrical -	-	305	92	16.5	252.1	11.2	23.2	151.5	514.8	324.5	816.7	(D)	14.6	280.3
354	Metalworking machinery ---	-	100	43	7.8	122.3	5.1	10.8	68.6	220.8	125.7	331.7	9.3	6.5	118.7
3541	Machine tools, metal cutting types -----	-	16	11	4.3	70.5	2.6	5.7	36.3	118.4	71.1	177.0	5.9	4.3	69.1
3542	Machine tools, metal forming types -----	-	11	5	1.1	15.5	0.7	1.6	8.9	38.5	25.8	64.5	(D)	0.4	8.2
3544	Special dies, tools, jigs, and fixtures -----	E2	46	15	0.6	10.8	0.5	1.2	8.1	16.0	6.7	22.3	1.0	0.6	10.8
3545	Machine tool accessories -----	-	21	9	1.5	21.8	1.0	2.0	13.1	39.5	17.3	55.1	(D)	(NA)	(NA)
355	Special industry machinery -----	-	16	6	2.0	31.7	1.4	3.1	22.1	81.3	53.6	132.6	(D)	2.1	44.0
356	General industrial machinery -----	-	44	14	4.2	64.9	2.9	5.7	40.0	137.6	96.0	230.6	(D)	3.1	63.0
358	Refrigeration and service machinery -----	-	9	6	0.6	8.4	0.3	0.6	3.7	24.4	21.2	44.9	1.7	1.4	30.3
3589	Service industry machinery, n.e.c. -----	-	6	4	0.4	5.5	0.1	0.3	1.6	15.0	15.7	30.5	(D)	(NA)	(NA)
359	Miscellaneous machinery, except electrical -----	E1	122	16	1.3	18.5	1.0	2.0	13.1	32.9	16.3	48.1	(D)	0.9	14.2
3599	Machinery, except electrical, n.e.c. -----	E1	122	16	1.3	18.5	1.0	2.0	13.1	32.9	16.3	48.1	(D)	0.9	14.2
36	Electric and electronic equipment -----	-	14	8	1.5	15.6	1.0	1.9	8.3	12.8	32.6	49.8	0.8	1.5	20.6
37	Transportation equipment ---	-	13	7	7.5	147.0	4.7	10.4	89.6	228.7	531.6	740.2	33.2	(NA)	(NA)
	St. Louis, Mo.-III., SMSA -----	-	3 358	1 231	248.7	3 761.1	162.8	318.2	2 183.4	8 342.0	13 910.5	22 232.8	464.9	256.4	5 190.0
20	Food and kindred products --	-	233	100	16.9	259.8	11.5	23.0	170.7	680.0	1 436.5	2 114.2	38.7	18.2	570.7
201	Meat products -----	-	44	13	2.6	39.1	2.1	4.5	29.1	58.9	393.2	450.2	2.8	2.7	55.3
2011	Meat packing plants -----	-	28	9	1.5	23.0	1.2	2.2	18.5	32.1	273.7	303.9	(D)	2.4	50.5
202	Dairy products -----	E1	25	16	1.5	19.8	0.7	1.5	9.6	61.2	152.3	213.4	4.4	1.7	55.4
2026	Fluid milk -----	E2	17	12	1.2	15.8	0.5	1.1	7.6	52.4	125.6	177.9	3.8	1.4	39.2
204	Grain mill products -----	-	19	8	1.0	14.7	0.7	1.4	9.2	47.4	177.5	225.4	1.5	1.2	32.5
205	Bakery products -----	-	41	15	3.1	40.7	2.0	3.8	24.8	99.4	71.8	171.0	5.9	3.3	71.2
206	Sugar and confectionery products -----	-	12	7	1.1	10.9	0.8	1.6	7.4	40.7	46.6	87.9	(D)	1.1	20.6
207	Fats and oils -----	-	7	5	0.4	5.7	0.3	0.6	4.2	11.8	87.5	101.9	1.1	(NA)	(NA)
208	Beverages -----	-	41	20	5.7	111.3	4.0	7.7	77.2	262.6	397.3	657.7	19.0	5.9	246.2
2086	Bottled and canned soft drinks -----	-	28	10	1.5	24.6	0.6	1.2	8.0	40.9	63.8	104.8	6.0	1.4	31.3
209	Miscellaneous foods and kindred products-----	-	35	14	1.2	15.0	0.7	1.6	7.8	90.3	100.8	189.3	1.4	1.7	77.0
2099	Food preparations, n.e.c. -----	-	19	10	0.9	11.9	0.6	1.3	6.6	79.6	65.1	143.7	0.9	0.8	63.0
2311	Men's and boys' suits and coats -----	-	6	5	0.5	5.2	0.5	0.8	3.9	7.9	10.8	18.6	(Z)	1.1	15.9
232	Men's and boys' furnishings -----	-	22	17	1.3	9.1	1.0	1.8	5.3	25.9	26.3	52.4	0.2	1.5	15.5
2327	Men's and boys' separate trousers -----	E3	7	5	0.4	2.5	0.3	0.6	1.9	4.2	4.8	9.0	0.1	0.5	6.3
2329	Men's and boys' clothing, n.e.c. -----	-	8	8	0.7	5.4	0.6	1.0	2.8	19.8	18.7	38.9	0.1	0.7	6.5
233	Women's and misses' outerwear -----	E1	29	18	2.3	19.0	2.0	3.7	14.5	33.7	32.7	66.1	0.2	3.2	38.6
235	Hats, caps, and millinery --	-	16	10	0.8	5.4	0.7	1.3	4.2	7.8	7.9	16.2	0.1	1.0	7.8
236	Children's outerwear -----	-	7	4	0.3	2.4	0.2	0.4	1.7	4.4	6.7	11.0	0.1	(NA)	(NA)
239	Miscellaneous fabricated textile products -----	E1	70	19	1.8	14.7	1.3	2.4	8.9	26.8	35.5	60.7	2.6	2.0	17.4
2391	Curtains and draperies --	E1	18	4	0.3	1.8	0.2	0.4	1.3	3.1	2.6	5.8	(Z)	0.3	2.3
2392	House furnishings, n.e.c. -----	E2	12	6	0.3	2.9	0.2	0.5	1.6	5.5	8.3	13.8	(D)	0.3	2.7
2394	Canvas and related products -----	-	12	2	0.5	4.6	0.3	0.7	2.4	7.8	11.0	17.4	(D)	0.7	6.5
24	Lumber and wood products --	-	103	21	1.7	16.8	1.3	2.7	12.2	35.9	52.9	86.2	1.3	2.5	32.1

See footnotes at end of table.

Table 6. **Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.**

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977											1972		
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	St. Louis, Mo.-Ill., SMSA— Con.														
24	Lumber and wood products— Con.														
242	Sawmills and planing mills -	-	21	4	0.5	4.9	0.4	1.0	3.9	13.6	26.4	38.9	0.4	0.5	6.0
2421	Sawmills and planing mills, general -	-	18	3	0.5	4.6	0.4	1.0	3.6	13.2	25.9	38.0	(D)	0.5	5.8
243	Millwork, plywood, and structural members -	E1	37	7	0.5	6.0	0.4	0.8	4.2	8.6	8.2	16.8	0.2	1.2	12.5
2434	Wood kitchen cabinets -	E1	21	6	0.4	3.9	0.3	0.6	2.8	5.8	4.6	10.4	0.2	(NA)	(NA)
249	Miscellaneous wood products -	-	22	5	0.4	3.3	0.3	0.6	2.5	9.9	12.0	20.5	0.4	0.5	7.3
25	Furniture and fixtures -	-	93	37	3.8	41.5	3.1	5.8	26.6	80.6	79.7	159.0	3.2	3.7	58.1
251	Household furniture -	-	31	14	1.5	14.3	1.3	2.3	9.5	29.8	35.0	64.4	1.9	1.4	20.7
2514	Metal household furniture -	-	4	3	0.3	3.2	0.2	0.4	2.0	5.5	7.4	12.8	(D)	(NA)	(NA)
2515	Mattresses and bedsprings -	-	8	6	0.5	5.0	0.4	0.8	3.4	8.2	12.9	20.9	(D)	0.4	6.4
2541	Wood partitions and fixtures -	-	22	7	0.4	5.5	0.3	0.6	3.4	8.2	5.9	14.1	0.6	0.5	7.3
259	Miscellaneous furniture and fixtures -	-	23	11	1.0	11.1	0.8	1.6	7.2	23.4	16.4	39.2	0.4	0.9	17.3
2599	Furniture and fixtures, n.e.c. -	-	18	11	1.0	10.9	0.8	1.6	7.1	22.9	16.1	38.3	0.4	0.9	16.9
26	Paper and allied products -	-	91	54	5.8	75.6	4.4	8.8	49.7	159.8	238.4	393.9	10.9	6.3	112.0
2641	Paper coating and glazing -	-	8	3	0.5	7.1	0.4	0.9	4.3	20.9	30.5	50.9	1.4	(NA)	(NA)
2642	Envelopes -	-	8	6	0.6	8.0	0.5	0.9	4.8	14.2	13.1	27.1	0.9	(NA)	(NA)
2643	Bags, except textile bags -	-	6	5	0.6	6.9	0.4	0.9	4.1	11.8	25.3	36.7	1.1	(NA)	(NA)
265	Paperboard containers and boxes -	-	45	31	3.1	40.3	2.3	4.5	26.7	82.3	135.1	214.4	4.7	3.6	55.4
2653	Corrugated and solid fiber boxes -	-	30	21	1.8	24.3	1.3	2.5	14.8	45.8	85.4	130.7	1.7	2.2	31.8
27	Printing and publishing -	-	572	122	13.8	195.7	9.0	16.5	117.0	376.9	231.8	607.3	17.0	14.8	284.2
2711	Newspapers -	-	80	22	3.7	57.1	1.8	3.1	27.7	129.6	54.8	184.4	3.6	3.9	91.0
2721	Periodicals -	E1	27	6	0.3	3.7	0.1	0.1	0.9	10.6	5.9	16.4	0.1	1.5	23.3
273	Books -	-	24	10	1.5	21.7	0.7	1.4	10.6	38.2	27.9	65.3	2.2	1.2	20.4
2731	Book publishing -	-	14	4	0.8	9.9	0.2	0.4	3.0	28.9	19.9	48.0	(D)	(NA)	(NA)
2732	Book printing -	-	10	6	0.7	11.8	0.5	1.0	7.6	9.3	8.0	17.4	(D)	(NA)	(NA)
2741	Miscellaneous publishing -	-	17	3	0.6	5.9	0.3	0.5	2.7	11.6	8.9	21.7	0.3	(NA)	(NA)
2751	Commercial printing, letterpress -	E3	165	11	1.1	12.6	0.9	1.5	8.3	22.6	13.7	36.3	0.8	1.3	18.8
2761	Manifold business forms -	E3	5	4	0.3	2.9	0.2	0.4	1.8	4.8	8.9	13.5	1.3	0.4	6.5
278	Blankbooks and bookbinding -	-	26	11	1.2	13.9	1.0	1.9	10.1	25.9	10.5	36.6	0.8	1.1	16.7
2782	Blankbooks and looseleaf binders -	-	11	5	0.7	8.0	0.5	1.1	5.7	16.2	7.5	23.9	0.5	0.7	11.1
2789	Bookbinding and related work -	-	15	6	0.5	5.8	0.5	0.9	4.4	9.7	3.0	12.7	0.3	0.5	5.6
279	Printing trade services -	-	63	17	1.2	18.4	0.8	1.5	12.8	31.2	15.0	45.6	1.9	1.1	23.5
28	Chemicals and allied products -	-	219	88	16.4	234.2	9.4	17.8	128.6	931.7	946.0	1 872.4	100.4	16.1	489.1
281	Industrial inorganic chemicals -	-	27	11	2.1	29.2	1.4	2.7	20.3	105.3	107.6	215.9	9.5	2.9	62.7
2813	Industrial gases -	-	10	3	0.3	2.2	0.1	0.2	1.1	16.6	8.5	24.6	1.1	(NA)	(NA)
283	Drugs -	-	31	12	4.3	48.0	2.0	3.4	22.7	189.8	138.5	328.0	15.3	3.4	125.5
284	Soaps, cleaners, and toilet goods -	-	47	20	3.1	47.1	2.1	3.9	27.5	226.2	239.0	461.2	(D)	3.0	144.3
2841	Soap and other detergents -	-	14	7	2.0	34.2	1.3	2.5	20.4	178.4	186.3	360.5	4.1	1.7	117.7
2842	Polishes and sanitation goods -	-	24	9	0.8	10.0	0.6	1.0	5.4	39.3	44.1	83.7	1.3	1.0	17.7
2851	Paints and allied products -	E2	33	13	0.9	12.1	0.5	0.9	5.2	32.5	47.5	80.0	0.8	1.5	35.4
287	Agricultural chemicals -	-	17	9	0.6	8.0	0.3	0.6	3.3	33.4	66.9	101.4	5.8	0.5	12.4
2879	Agricultural chemicals, n.e.c. -	-	11	4	0.3	4.6	0.1	0.2	1.3	22.7	28.8	51.7	(D)	(NA)	(NA)
289	Miscellaneous chemical products -	-	43	16	1.7	26.2	0.7	1.3	8.2	96.4	65.8	161.5	(D)	1.7	41.0
2899	Chemical preparations, n.e.c. -	-	21	6	1.0	15.6	0.2	0.5	3.1	70.3	32.9	103.3	(D)	0.8	24.2

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	St. Louis, Mo.-Ill., SMSA—Con.														
29	Petroleum and coal products -----	-	26	11	3.2	64.2	2.2	4.7	42.1	318.1	2 224.8	2 534.9	45.4	3.1	150.7
2911	Petroleum refining -----	-	4	4	2.8	57.3	1.9	4.2	38.1	288.3	2 151.2	2 433.0	44.5	2.8	128.2
30	Rubber and miscellaneous plastics products -----	-	116	47	4.6	51.9	3.7	7.1	34.6	143.0	124.7	267.3	9.4	3.9	64.1
3079	Miscellaneous plastics products -----	-	103	42	3.6	39.0	2.8	5.3	25.1	119.5	107.8	227.0	(D)	2.8	49.6
31	Leather and leather products -----	-	54	31	4.5	35.1	3.9	6.9	25.4	58.8	58.3	118.4	1.3	5.2	47.4
314	Footwear, except rubber --	-	13	11	1.3	9.4	1.2	1.9	7.5	20.0	17.1	36.8	0.3	2.5	20.1
3144	Women's footwear, except athletic -----	-	5	4	0.7	5.3	0.6	1.1	4.3	10.7	11.2	21.9	(D)	1.9	13.9
317	Handbags and other personal leather goods --	-	10	5	1.2	10.4	1.1	1.9	7.1	13.4	10.2	26.2	0.6	1.5	15.2
32	Stone, clay, and glass products -----	-	179	58	6.3	89.0	5.0	10.0	68.0	223.0	167.2	393.2	13.9	8.2	161.1
3241	Cement, hydraulic -----	-	5	3	0.6	10.5	0.5	1.0	8.6	52.4	22.4	76.0	(D)	0.5	22.8
327	Concrete, gypsum, and plaster products -----	E2	104	28	1.6	20.4	1.1	2.2	13.6	40.3	47.4	87.4	5.4	1.8	29.5
3272	Concrete products, n.e.c. -----	E1	26	8	0.4	5.1	0.3	0.6	3.4	10.1	6.8	16.6	0.5	0.5	7.4
3273	Ready-mixed concrete --	E2	65	17	1.1	13.7	0.8	1.4	9.3	27.8	37.1	64.8	4.5	1.2	20.2
329	Miscellaneous nonmetallic mineral products -----	-	32	11	0.9	12.1	0.7	1.4	9.0	24.1	27.3	49.2	1.8	0.8	14.2
33	Primary metal industries ----	-	98	60	22.3	356.7	17.7	34.2	253.2	787.9	1 201.3	1 980.1	74.7	21.7	436.1
332	Iron and steel foundries ----	-	30	24	5.3	73.2	4.5	9.0	57.1	130.0	76.1	204.5	(D)	5.3	77.1
3341	Secondary nonferrous metals -----	-	8	4	0.7	10.8	0.6	1.2	7.9	22.4	124.1	144.9	(D)	0.5	1.6
335	Nonferrous rolling and drawing -----	-	7	6	4.5	67.1	3.4	6.9	47.4	149.7	371.3	520.7	(D)	5.0	106.1
336	Nonferrous foundries ----	-	25	10	1.0	11.6	0.8	1.6	8.4	20.4	19.1	39.4	(D)	1.4	21.2
3361	Aluminum foundries ----	-	13	6	0.7	8.3	0.6	1.1	5.9	14.3	12.7	26.9	(D)	0.7	10.2
339	Miscellaneous primary metal products -----	E1	10	4	0.3	3.5	0.2	0.4	2.5	7.5	2.8	10.3	(D)	(NA)	(NA)
34	Fabricated metal products ----	-	351	157	22.2	312.0	17.1	34.0	217.9	643.4	730.3	1 373.8	36.8	22.6	401.5
341	Metal cans and shipping containers -----	-	9	8	2.4	44.0	2.1	4.4	36.8	113.2	243.5	350.8	(D)	2.7	72.6
3411	Metal cans -----	-	5	5	2.2	40.7	1.9	4.0	34.2	105.4	232.3	331.9	(D)	2.5	68.8
342	Cutlery, hand tools, and hardware -----	-	30	17	1.7	23.8	1.1	2.3	13.4	51.7	26.5	77.5	1.6	1.8	26.7
3423	Hand and edge tools, n.e.c. -----	E1	17	12	0.7	9.7	0.5	1.1	6.2	19.8	14.9	34.4	0.7	0.7	10.3
343	Plumbing and heating, except electric -----	-	9	4	0.4	4.8	0.3	0.6	3.5	16.1	9.3	24.8	0.1	0.6	11.9
344	Fabricated structural metal products -----	-	116	50	7.3	103.8	5.5	10.8	70.4	197.7	230.8	433.6	10.9	6.5	118.6
3441	Fabricated structural metal -----	-	32	12	1.4	19.3	0.9	2.0	12.3	39.4	42.3	81.6	1.5	1.1	20.0
3443	Fabricated plate work (boiler shops) -----	-	22	15	3.7	54.2	3.0	5.7	40.1	89.9	106.8	200.4	5.5	2.8	61.8
3444	Sheet metal work -----	-	28	11	1.1	14.3	0.8	1.6	9.4	36.3	36.3	72.2	2.6	0.9	13.4
3449	Miscellaneous metal work -----	-	5	4	0.6	8.1	0.3	0.6	4.1	14.7	16.9	33.9	0.5	(NA)	(NA)
345	Screw machine products, bolts, etc. -----	-	28	18	0.9	12.4	0.7	1.3	8.0	21.7	15.7	37.6	0.8	0.9	14.2
346	Metal forgings and stampings -----	E1	37	17	1.9	24.1	1.5	3.0	17.3	41.5	47.1	88.1	4.6	1.8	29.7
3469	Metal stampings, n.e.c. --	-	33	14	1.6	20.5	1.3	2.6	14.7	34.7	39.4	73.8	(D)	1.6	25.8
3471	Plating and polishing -----	E1	35	7	0.7	8.4	0.6	1.2	5.5	13.5	5.2	18.5	0.9	0.8	10.4
349	Miscellaneous fabricated metal products -----	E1	58	25	3.6	47.4	2.7	5.1	32.0	104.7	86.6	189.7	5.9	3.7	44.6
3494	Valves and pipe fittings --	E1	7	5	1.6	21.4	1.2	2.2	14.4	56.5	38.3	94.0	1.1	2.0	21.0
3496	Miscellaneous fabricated wire products -----	-	10	4	0.5	5.7	0.4	0.7	3.7	10.1	9.8	19.6	0.3	0.7	8.9
3499	Fabricated metal products, n.e.c. -----	E2	32	9	0.5	8.0	0.4	0.7	4.4	13.0	7.5	20.4	1.3	0.5	8.3
35	Machinery, except electrical --	-	478	132	21.2	312.1	14.6	28.8	194.5	576.9	399.8	962.5	26.0	20.4	359.5

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	St. Louis, Mo.-Ill., SMSA— Con.														
35	Machinery, except electrical —Con.														
352	Farm and garden machinery -----	-	7	4	0.3	4.1	0.2	0.4	2.5	8.1	15.9	24.7	(D)	0.4	4.2
353	Construction and related machinery -----	-	27	16	1.6	25.2	0.9	1.7	11.1	56.9	46.2	101.5	1.9	1.0	22.4
3532	Mining machinery -----	-	5	5	0.5	7.9	0.3	0.5	3.8	27.2	17.0	42.7	1.0	(NA)	(NA)
3535	Conveyors and conveying equipment --	-	8	5	0.6	9.7	0.3	0.5	3.2	15.7	17.4	33.5	0.5	(NA)	(NA)
354	Metalworking machinery----	-	125	33	3.4	59.1	2.5	4.9	37.1	106.9	47.1	152.4	6.6	3.3	70.2
3544	Special dies, tools, jigs, and fixtures -----	-	96	22	1.8	31.2	1.5	3.0	24.0	48.1	26.2	73.4	4.6	1.6	27.4
355	Special industry machinery -----	-	40	12	1.7	30.1	1.3	2.5	19.7	58.3	36.8	95.5	1.6	1.3	20.8
356	General industrial machinery -----	-	64	17	1.7	23.6	1.2	2.3	13.4	50.0	34.1	81.1	5.0	1.6	25.9
3569	General industrial machinery, n.e.c.-----	-	12	2	0.3	4.0	0.2	0.4	2.2	7.8	8.4	15.8	0.7	0.3	4.9
357	Office and computing machines -----	E1	8	3	0.4	4.9	0.2	0.3	1.8	11.3	4.0	15.1	(D)	(NA)	(NA)
358	Refrigeration and service machinery -----	-	31	18	6.5	83.0	4.2	8.6	49.0	169.7	153.8	314.0	4.8	7.4	125.7
3585	Refrigeration and heating equipment ----	-	14	10	3.5	42.4	2.2	4.4	24.4	73.7	91.9	160.2	2.2	4.5	69.4
3589	Service industry machinery, n.e.c.-----	E4	13	4	0.4	5.0	0.3	0.6	3.1	11.6	7.7	19.0	0.1	0.4	2.7
359	Miscellaneous machinery, except electrical -----	-	176	29	5.5	82.1	4.2	8.0	59.7	115.6	62.0	178.2	4.6	5.3	87.8
3592	Carburetors, pistons, rings, and valves -----	-	5	5	3.9	60.4	3.0	5.4	43.7	80.5	41.7	123.0	2.7	3.6	61.4
3599	Machinery, except electrical, n.e.c.-----	E2	170	24	1.5	21.7	1.3	2.6	16.0	35.1	20.3	55.2	2.0	1.6	26.4
36	Electric and electronic equipment -----	-	127	52	13.5	166.3	9.3	17.0	89.5	379.8	265.8	647.3	14.5	14.5	247.1
361	Electric distributing equipment -----	-	14	12	4.6	50.8	3.7	6.5	31.3	119.8	64.7	185.4	4.5	5.4	91.7
3613	Switchgear and switchboard apparatus -	-	11	9	4.2	46.3	3.4	5.9	28.0	109.8	52.5	163.2	(D)	(NA)	(NA)
362	Electrical industrial apparatus -----	-	20	9	1.2	14.1	0.9	1.9	9.0	24.7	29.6	54.2	1.0	2.1	22.6
3621	Motors and generators --	-	8	7	1.0	11.1	0.8	1.6	7.6	19.0	25.3	44.1	(D)	1.5	14.6
363	Household appliances ----	E2	10	3	0.5	4.6	0.4	0.7	3.7	8.5	13.7	22.1	0.2	0.8	8.0
364	Electric lighting and wiring equipment -----	-	22	11	2.6	31.9	1.9	3.5	21.5	108.3	62.0	168.2	3.8	3.2	76.7
3679	Electronic components, n.e.c.-----	E1	16	3	0.4	3.6	0.3	0.4	2.4	6.8	5.2	12.0	0.3	(NA)	(NA)
369	Miscellaneous electrical equipment and supplies --	-	17	7	0.6	6.5	0.5	0.9	4.3	16.3	9.6	25.8	0.4	0.5	6.8
3699	Electrical equipment and supplies, n.e.c.-----	-	8	4	0.5	5.0	0.3	0.7	3.1	11.7	4.9	16.5	0.2	(NA)	(NA)
37	Transportation equipment ---	-	74	32	55.8	1 022.6	39.0	79.9	667.6	2 678.7	5 504.2	8 207.8	57.0	55.4	1 513.9
3711	Motor vehicles and car bodies -----	-	6	4	21.9	446.0	19.6	41.3	380.2	1 488.9	3 889.6	5 366.3	28.4	17.9	673.2
3713	Truck and bus bodies----	-	12	6	0.7	8.9	0.5	0.8	5.1	14.8	21.4	36.2	0.5	(NA)	(NA)
3728	Aircraft equipment, n.e.c.-----	-	7	5	0.5	6.1	0.4	0.7	4.6	9.2	5.2	14.9	0.1	0.3	5.5
38	Instruments and related products -----	-	71	28	3.0	35.7	2.1	3.8	20.2	71.6	49.8	120.0	7.4	2.7	52.7
382	Measuring and controlling devices -----	-	15	6	1.3	14.9	0.9	1.7	9.0	32.3	19.2	50.3	(D)	1.3	36.2
384	Medical instruments and supplies -----	-	36	18	1.5	17.7	1.0	1.8	9.5	31.8	24.4	56.6	5.1	1.0	11.9
3841	Surgical and medical instruments -----	-	12	7	0.8	10.4	0.4	0.8	5.0	16.5	13.3	29.9	(D)	0.6	6.2
3842	Surgical appliances and supplies -----	-	13	6	0.6	5.2	0.4	0.8	3.6	10.4	9.9	20.7	(D)	0.4	4.5
39	Miscellaneous manufacturing industries ---	E1	149	38	3.3	32.0	2.5	4.7	20.0	64.4	55.5	119.5	2.9	4.0	58.9
394	Toys and sporting goods --	-	21	10	0.6	4.8	0.5	0.8	2.9	13.3	13.5	26.0	(D)	0.6	9.7
3949	Sporting and athletic goods, n.e.c.-----	-	13	6	0.3	3.1	0.3	0.5	1.8	7.7	7.6	14.8	0.2	(NA)	(NA)
395	Pens, pencils, office and art supplies -----	-	13	5	0.8	7.0	0.6	1.3	4.4	12.4	11.7	24.8	1.5	1.0	13.1
3951	Pens and mechanical pencils -----	-	4	4	0.7	5.5	0.5	1.1	3.5	9.9	9.2	19.3	(D)	(NA)	(NA)
399	Miscellaneous manufactures -----	E1	94	18	1.6	17.2	1.2	2.3	10.9	32.6	24.4	57.2	0.7	2.2	31.6
3993	Signs and advertising displays -----	E1	45	11	0.9	10.0	0.6	1.2	6.2	15.3	12.8	28.1	0.3	1.1	15.7
3999	Manufacturing industries, n.e.c.-----	E1	41	6	0.7	6.5	0.5	1.0	4.4	15.8	9.3	24.9	0.3	1.0	15.6

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SMSA's, see appendix A. For explanation of terms, see appendix B.															
SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
--	St. Louis, Mo.-Ill., SMSA— Con.														
--	Administrative and auxiliary --	-	148	79	21.9	393.1	-	-	-	-	-	-	-	(NA)	(NA)
	Springfield SMSA -----	-	134	38	8.3	114.1	5.6	10.2	69.9	280.6	383.3	656.1	17.0	11.2	236.9
20	Food and kindred products --	-	18	6	0.9	13.0	0.7	1.3	9.7	57.4	128.1	185.0	2.6	1.2	36.8

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (S) Withheld because estimate did not meet publication standards.
 (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 7. **Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972**

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977												1972	
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Adams County -----	-	87	38	8.5	114.9	5.7	11.6	69.5	335.4	580.0	904.8	13.3	11.9	219.2
26	Paper and allied products ---	-	7	4	0.5	5.6	0.4	0.8	4.2	8.3	19.4	27.6	0.6	0.5	7.2
35	Machinery, except electrical --	-	20	12	4.0	57.3	2.8	5.9	38.8	142.9	118.4	255.1	6.5	3.6	78.3
	Alexander County -----	-	22	6	1.1	10.3	0.9	1.9	7.8	18.4	37.7	54.9	3.1	1.1	12.3
	Boone County -----	-	40	18	5.4	95.6	4.2	9.0	70.2	183.0	495.5	672.1	(D)	(D)	(D)
	Bureau County -----	-	56	17	2.6	29.3	2.1	3.8	20.8	73.5	113.9	183.9	2.4	2.6	47.2
	Carroll County -----	-	23	9	1.1	9.4	0.9	1.6	6.9	30.0	34.9	64.5	1.1	1.2	20.8
	Cass County -----	-	22	7	1.4	20.9	1.2	2.1	17.0	37.8	147.4	185.2	3.0	1.4	19.0
	Champaign County (Coextensive with Champaign-Urbana-Rantoul, Ill., SMSA; see table 6.)														
	Christian County -----	-	36	18	2.0	21.9	1.4	2.6	13.3	56.0	202.4	258.6	2.0	2.0	37.9
34	Fabricated metal products ---	-	6	4	0.5	6.1	0.4	0.7	4.1	21.3	33.0	54.4	0.5	(NA)	(NA)
	Clark County -----	-	22	8	1.2	10.6	1.0	1.9	7.3	39.9	23.8	62.4	1.1	0.6	18.0
36	Electric and electronic equipment -----	-	4	4	0.8	5.6	0.7	1.4	3.6	15.0	9.5	23.7	(D)	(NA)	(NA)
367	Electronic components and accessories -----	-	4	4	0.8	5.6	0.7	1.4	3.6	15.0	9.5	23.7	(D)	(NA)	(NA)
	Clay County -----	-	24	6	0.7	6.6	0.6	1.2	4.7	18.5	46.4	66.2	0.7	1.3	15.9
	Clinton County -----	-	34	11	0.8	6.5	0.6	1.1	4.7	16.1	32.3	48.3	1.0	0.6	6.9
	Coles County -----	-	57	28	6.3	70.1	5.0	9.8	50.6	211.9	202.6	407.9	13.7	5.1	131.5
	Cook County -----	-	11 303	4 372	687.5	10 114.4	443.7	876.1	5 534.4	20 946.7	23 473.4	44 077.3	1 049.5	738.6	14 332.9
20	Food and kindred products --	-	623	310	58.6	821.4	41.4	83.3	527.6	2 723.8	3 956.3	6 663.8	121.9	65.4	1 834.7
201	Meat products -----	-	107	49	8.1	123.0	6.6	13.6	92.9	251.7	874.7	1 120.7	(D)	9.5	191.7
2024	Ice cream and frozen desserts -----	-	23	11	0.8	12.7	0.4	0.9	5.3	42.7	64.4	107.0	1.1	(NA)	(NA)
2026	Fluid milk -----	-	17	11	1.1	21.3	0.5	1.1	9.7	72.2	176.0	248.0	3.1	(NA)	(NA)
203	Preserved fruits and vegetables -----	-	75	35	4.9	62.1	3.5	7.0	38.9	233.7	308.8	542.7	14.1	(NA)	(NA)
2038	Frozen specialties -----	E2	21	13	1.6	19.2	1.2	2.2	11.2	58.0	75.1	133.2	3.3	(NA)	(NA)
205	Bakery products -----	-	105	48	12.3	169.8	8.2	17.5	106.6	451.6	339.1	790.3	8.0	14.8	368.2
2051	Bread, cake, and related products -----	-	86	35	6.4	95.4	3.3	7.2	45.9	188.5	160.2	348.9	5.8	(NA)	(NA)
2052	Cookies and crackers ---	-	19	13	5.9	74.5	5.0	10.3	60.7	263.1	178.9	441.3	2.1	(NA)	(NA)
206	Sugar and confectionery products -----	-	68	44	14.4	177.1	11.7	21.7	131.4	609.0	686.1	1 283.4	18.3	(NA)	(NA)
2065	Confectionery products --	-	60	39	12.6	152.4	10.3	19.1	114.8	504.6	523.6	1 020.6	(D)	(NA)	(NA)
207	Fats and oils -----	-	17	11	1.1	19.0	0.7	1.5	11.7	42.1	298.5	345.7	7.0	(NA)	(NA)
208	Beverages -----	-	70	41	6.3	104.3	3.3	6.9	48.3	504.2	501.0	999.5	20.6	6.5	285.9
209	Miscellaneous foods and kindred products -----	-	103	43	5.6	74.2	3.7	7.6	39.7	273.3	368.8	641.1	8.1	5.5	182.6
2099	Food preparations, n.e.c. -----	-	73	31	4.4	60.9	2.8	5.6	30.8	230.3	302.8	532.7	6.6	(NA)	(NA)
23	Apparel and other textile products -----	-	405	135	15.1	138.3	11.8	21.1	88.3	283.7	335.7	616.1	5.2	18.9	236.1
2391	Curtains and draperies --	E2	66	6	0.6	4.8	0.6	1.0	3.4	7.8	7.7	15.4	(D)	(NA)	(NA)
2399	Fabricated textile products, n.e.c. -----	E1	31	15	1.0	8.8	0.9	1.5	5.6	20.1	22.5	42.6	0.8	(NA)	(NA)
24	Lumber and wood products --	E1	234	61	6.2	64.5	4.8	8.9	42.5	127.1	128.8	254.5	12.6	7.2	101.4
243	Millwork, plywood, and structural members -----	E2	95	21	1.6	19.0	1.3	2.5	13.0	41.7	53.1	94.2	(D)	1.7	28.1

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

For explanation of terms, see appendix B)															
SIC code	County and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Cook County—Con.														
24	Lumber and wood products—Con.														
243	Millwork, plywood, and structural members—Con.														
2431	Millwork -----	E3	53	13	0.9	12.8	0.7	1.5	8.9	26.2	28.9	54.3	1.7	(NA)	(NA)
249	Miscellaneous wood products -----	-	94	31	4.1	41.0	3.2	5.7	26.1	76.6	66.6	142.5	(D)	4.6	63.7
2499	Wood products, n.e.c. ---	-	91	31	4.1	40.9	3.1	5.7	26.1	76.5	66.4	142.2	(D)	(NA)	(NA)
25	Furniture and fixtures -----	E1	289	111	12.9	143.8	10.2	19.9	98.7	263.9	284.1	544.6	11.2	14.2	208.7
251	Household furniture -----	E1	144	58	6.2	62.8	5.1	10.1	43.5	118.7	135.1	252.1	(D)	7.1	103.2
2511	Wood household furniture -----	E4	53	17	1.3	11.2	1.1	2.4	8.7	20.1	16.4	36.3	(D)	(NA)	(NA)
2512	Upholstered household furniture -----	E5	28	11	1.0	9.5	0.9	1.6	7.3	16.6	14.5	31.2	(D)	(NA)	(NA)
2514	Metal household furniture -----	-	23	12	2.4	26.7	1.8	3.5	16.8	46.7	64.9	111.0	(D)	(NA)	(NA)
254	Partitions and fixtures -----	-	81	29	3.4	41.5	2.4	5.0	26.6	74.3	69.9	144.8	2.7	3.5	52.2
2541	Wood partitions and fixtures -----	-	50	15	1.4	18.5	1.1	2.4	12.7	30.2	24.9	55.1	0.8	(NA)	(NA)
2542	Metal partitions and fixtures -----	-	31	14	1.9	23.0	1.3	2.6	13.9	44.1	45.0	89.7	1.9	(NA)	(NA)
259	Miscellaneous furniture and fixtures -----	-	46	16	2.4	31.2	1.8	3.4	23.0	58.0	65.2	121.4	2.0	2.1	30.8
26	Paper and allied products ---	-	296	184	21.6	283.3	16.6	33.6	182.5	587.8	768.5	1 352.8	43.7	24.1	420.8
264	Miscellaneous converted paper products -----	E1	138	73	9.2	115.3	6.8	13.6	73.6	248.2	298.7	546.3	15.3	10.1	184.5
2641	Paper coating and glazing -----	-	33	16	2.6	37.1	1.7	3.7	23.2	100.1	118.3	217.7	8.9	(NA)	(NA)
2642	Envelopes -----	E2	18	14	2.0	25.0	1.6	3.3	17.5	38.7	37.4	76.1	1.5	(NA)	(NA)
2643	Bags, except textile bags -----	-	29	14	2.0	23.6	1.5	2.9	14.8	49.6	78.8	126.7	2.6	(NA)	(NA)
2645	Die-cut paper and board -----	E1	28	13	1.3	14.2	0.9	1.8	8.7	28.5	31.1	59.8	0.9	(NA)	(NA)
265	Paperboard containers and boxes -----	-	153	107	12.0	162.1	9.6	19.4	104.2	321.5	446.6	765.0	26.8	13.5	222.3
2655	Fiber cans, drums, and similar products -----	-	12	10	0.6	7.5	0.5	1.1	6.0	14.1	21.5	35.4	0.5	(NA)	(NA)
27	Printing and publishing -----	-	1 943	478	64.9	998.2	38.8	74.6	540.7	2 224.1	1 296.6	3 503.4	111.4	74.0	1 667.0
2711	Newspapers -----	-	103	27	10.5	160.7	5.2	8.5	74.3	321.5	158.6	480.1	19.0	(NA)	(NA)
2721	Periodicals -----	E1	172	45	4.7	73.2	0.7	1.6	9.0	240.9	150.2	391.1	24.0	(NA)	(NA)
273	Books -----	-	128	34	6.3	91.0	1.3	2.5	14.1	417.9	181.0	593.8	10.5	7.2	310.6
2741	Miscellaneous publishing -----	-	75	20	4.3	66.1	1.6	3.1	21.2	178.4	116.7	293.4	4.6	(NA)	(NA)
275	Commercial printing -----	-	1 089	229	26.7	433.9	20.2	40.2	300.4	745.8	527.9	1 269.0	41.0	30.8	593.8
2751	Commercial printing, letterpress -----	E1	542	69	11.0	167.4	8.6	17.2	120.9	292.2	169.7	461.4	14.2	(NA)	(NA)
2761	Manifold business forms -----	-	36	22	1.6	23.6	1.1	2.3	16.3	49.6	64.1	113.1	2.5	(NA)	(NA)
278	Blankbooks and bookbinding -----	-	104	39	5.8	62.9	4.8	9.2	44.9	124.5	59.1	179.5	3.6	5.2	70.4
2782	Blankbooks and looseleaf binders -----	-	32	16	3.4	37.8	2.8	5.3	25.1	81.9	47.5	125.2	2.5	(NA)	(NA)
2789	Bookbinding and related work -----	-	72	23	2.3	25.1	2.0	3.9	19.8	42.7	11.6	54.3	1.2	(NA)	(NA)
279	Printing trade services -----	-	226	60	4.6	82.9	3.4	6.5	58.0	136.6	35.5	171.3	6.0	5.3	102.0
28	Chemicals and allied products -----	-	514	211	25.2	371.1	14.2	28.3	182.0	1 672.7	1 586.1	3 232.7	92.4	25.9	1 086.7
281	Industrial inorganic chemicals -----	-	21	8	1.0	16.5	0.8	1.6	12.3	64.0	68.4	131.4	7.8	1.4	39.5
284	Soaps, cleaners, and toilet goods -----	-	150	51	7.3	100.2	4.6	9.6	59.4	854.0	482.6	1 326.4	23.9	8.5	610.6
2841	Soap and other detergents -----	-	34	14	1.4	20.7	0.9	1.9	13.5	113.7	127.2	239.7	6.4	(NA)	(NA)
2842	Polishes and sanitation goods -----	-	62	21	2.1	26.5	1.3	2.7	15.3	143.2	126.1	266.2	(D)	(NA)	(NA)
2843	Surface active agents -----	-	10	6	0.6	9.0	0.3	0.7	5.3	27.0	41.2	66.6	(D)	(NA)	(NA)
2844	Toilet preparations -----	-	44	10	3.3	43.9	2.1	4.3	25.4	570.0	188.2	753.9	8.4	(NA)	(NA)
2851	Paints and allied products -----	-	95	46	6.1	88.9	3.4	6.9	44.3	267.9	376.5	633.3	11.7	(NA)	(NA)
286	Industrial organic chemicals -----	-	26	11	1.3	21.4	0.8	1.4	12.2	69.0	130.5	198.4	14.3	(NA)	(NA)
289	Miscellaneous chemical products -----	-	146	65	5.0	73.4	2.8	5.7	34.8	269.2	382.0	651.5	11.4	5.2	159.5
2893	Printing ink -----	E1	36	19	1.7	25.0	0.9	1.9	11.9	56.5	116.5	171.7	1.6	(NA)	(NA)

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977											1972		
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Cook County—Con.														
28	Chemicals and allied products—Con.														
289	Miscellaneous chemical products—Con.														
2899	Chemical preparations, n.e.c. -----	-	69	22	1.8	25.8	1.0	2.1	12.8	153.7	155.7	309.2	6.2	(NA)	(NA)
2952	Asphalt felts and coatings -----	-	14	9	1.0	14.1	0.7	1.6	10.4	43.0	83.7	126.7	2.1	(NA)	(NA)
2992	Lubricating oils and greases -----	-	32	15	1.1	18.5	0.5	1.0	7.7	90.6	141.7	233.0	1.5	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	-	463	221	22.9	251.2	17.5	35.0	156.4	554.2	489.3	1 030.9	40.5	20.3	319.8
31	Leather and leather products -----	E1	79	26	3.8	40.9	2.9	5.3	24.1	60.4	71.3	130.9	(D)	4.8	52.2
32	Stone, clay, and glass products -----	-	270	113	12.2	161.6	9.0	16.9	103.6	336.3	349.9	678.9	23.1	12.3	246.8
322	Glass and glassware, pressed or blown -----	-	10	4	1.3	16.8	1.2	2.2	14.6	31.2	20.9	50.3	2.0	(NA)	(NA)
327	Concrete, gypsum, and plaster products -----	-	87	40	2.1	31.4	1.5	2.9	20.7	74.9	102.9	177.5	6.7	2.5	57.3
3272	Concrete products, n.e.c. -----	E1	36	12	0.7	9.2	0.4	0.9	5.2	18.6	13.2	31.3	1.7	(NA)	(NA)
3273	Ready-mixed concrete -----	-	30	19	0.9	14.9	0.7	1.3	10.6	32.5	48.5	80.7	3.1	(NA)	(NA)
329	Miscellaneous nonmetallic mineral products -----	-	99	46	7.0	92.5	4.9	8.9	54.0	190.8	176.9	363.9	9.9	7.2	144.7
3291	Abrasive products -----	-	26	16	1.4	18.4	1.0	1.7	8.9	50.1	29.5	79.7	1.0	(NA)	(NA)
3293	Gaskets, packing, and sealing devices -----	-	34	17	4.4	58.9	2.9	5.1	33.7	104.2	103.1	204.4	6.8	(NA)	(NA)
33	Primary metal industries -----	-	327	181	44.5	775.8	35.2	70.8	578.6	1 669.3	2 768.6	4 369.6	115.6	49.4	956.2
331	Blast furnace and basic steel products -----	-	75	48	27.6	512.8	21.8	43.2	388.4	1 102.9	1 552.0	2 612.9	70.7	29.6	596.1
3315	Steel wire and related products -----	-	19	13	2.3	33.0	1.8	3.5	21.8	89.9	87.2	176.5	3.6	(NA)	(NA)
332	Iron and steel foundries -----	-	37	26	4.9	69.3	3.9	7.9	51.4	135.1	116.0	250.5	15.5	4.6	80.7
3321	Gray iron foundries -----	-	17	13	1.9	28.7	1.6	3.1	21.2	69.4	69.0	138.6	3.4	(NA)	(NA)
3341	Secondary nonferrous metals -----	-	25	18	1.4	23.2	1.0	2.0	12.4	41.5	289.2	330.1	(D)	(NA)	(NA)
335	Nonferrous rolling and drawing -----	-	28	21	5.5	105.8	4.2	9.1	80.1	260.6	710.0	946.4	12.9	7.8	141.2
3357	Nonferrous wire drawing and insulating -----	-	9	8	2.1	36.1	1.6	3.5	26.6	84.3	250.2	328.4	8.4	(NA)	(NA)
3361	Aluminum foundries -----	-	51	24	2.3	26.7	2.0	3.9	20.2	54.8	49.8	104.2	2.9	(NA)	(NA)
339	Miscellaneous primary metal products -----	E1	50	22	1.5	19.3	1.1	2.3	12.9	42.1	15.8	57.6	8.0	1.7	33.8
3398	Metal heat treating -----	E1	38	19	1.4	17.5	1.0	2.1	11.7	39.0	12.7	51.5	(D)	(NA)	(NA)
34	Fabricated metal products -----	-	1 706	746	84.2	1 251.5	65.9	134.4	887.6	2 609.6	2 533.7	5 086.7	124.2	93.3	1 772.5
341	Metal cans and shipping containers -----	-	31	28	6.7	122.5	5.6	12.0	99.5	271.8	334.2	597.0	(D)	9.1	188.0
3411	Metal cans -----	-	18	15	4.9	89.9	4.1	8.8	75.5	213.5	248.6	453.0	7.2	(NA)	(NA)
3412	Metal barrels, drums, and pails -----	-	13	13	1.8	32.6	1.5	3.2	24.0	58.3	85.6	144.1	(D)	(NA)	(NA)
342	Cutlery, hand tools, and hardware -----	-	108	51	5.9	70.9	4.6	8.8	47.9	180.8	114.5	291.2	7.2	6.8	131.0
3423	Hand and edge tools, n.e.c. -----	-	39	15	2.1	27.5	1.6	3.2	19.5	76.9	40.5	114.5	3.8	(NA)	(NA)
3429	Hardware, n.e.c. -----	-	60	32	3.5	38.7	2.7	4.9	25.1	86.3	67.1	152.2	3.1	(NA)	(NA)
343	Plumbing and heating, except electric -----	-	34	13	2.4	32.9	1.7	3.4	20.9	78.5	62.1	138.5	3.0	2.1	45.6
3432	Plumbing fittings and brass goods -----	-	9	3	0.9	13.6	0.7	1.4	9.3	28.7	21.3	48.6	1.2	(NA)	(NA)
344	Fabricated structural metal products -----	-	315	136	10.1	140.0	7.1	13.9	84.3	303.3	321.1	614.0	10.1	11.4	225.4
3441	Fabricated structural metal -----	-	78	31	2.5	36.4	2.0	3.9	25.7	72.1	86.6	158.6	2.4	(NA)	(NA)
3442	Metal doors, sash, and trim -----	E1	38	18	0.8	9.6	0.6	1.1	5.0	16.8	17.3	34.3	0.4	(NA)	(NA)
3443	Fabricated plate work (boiler shops) -----	E2	38	26	1.6	25.1	1.1	2.2	14.8	44.5	31.3	75.3	1.8	(NA)	(NA)
3446	Architectural metal work -----	-	35	11	0.9	12.7	0.6	1.1	6.8	36.5	27.5	56.3	1.1	(NA)	(NA)
345	Screw machine products, bolts, etc. -----	-	235	102	9.0	127.7	7.1	14.8	89.7	231.3	181.9	410.2	12.7	10.2	186.6
3451	Screw machine products -----	E1	156	61	4.3	56.3	3.5	7.5	41.2	92.4	61.4	153.5	5.5	(NA)	(NA)
3452	Bolts, nuts, rivets, and washers -----	-	79	41	4.8	71.4	3.6	7.3	48.5	138.9	120.5	256.7	7.3	(NA)	(NA)
346	Metal forgings and stampings -----	-	307	159	26.0	446.2	21.6	44.9	340.7	919.1	951.2	1 848.8	52.7	25.8	536.1

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Cook County—Con.														
34	Fabricated metal products—Con.														
346	Metal forgings and stampings—Con.														
3462	Iron and steel forgings --	-	23	17	4.4	73.9	3.6	7.0	55.7	161.2	164.2	324.9	(D)	(NA)	(NA)
3469	Metal stampings, n.e.c. --	-	247	115	10.7	148.9	8.8	17.8	104.2	308.0	328.7	629.1	(D)	(NA)	(NA)
3479	Metal coating and allied services -----	-	107	41	3.0	41.2	2.3	4.8	27.7	79.1	73.5	152.3	5.2	(NA)	(NA)
349	Miscellaneous fabricated metal products -----	-	335	137	16.2	216.7	12.0	23.6	140.2	451.7	431.5	877.6	18.3	19.6	339.8
3494	Valves and pipe fittings --	-	35	26	5.8	78.5	3.7	7.3	43.5	144.0	100.3	245.0	6.3	(NA)	(NA)
3495	Wire springs -----	-	36	22	2.2	26.6	1.9	3.5	20.5	48.4	35.7	86.4	1.8	(NA)	(NA)
3496	Miscellaneous fabricated wire products -----	E1	62	28	1.8	19.6	1.4	2.6	12.6	40.9	32.1	71.2	1.3	(NA)	(NA)
3498	Fabricated pipe and fittings -----	-	21	12	0.7	9.6	0.6	1.0	6.7	18.4	31.2	49.3	0.6	(NA)	(NA)
3499	Fabricated metal products, n.e.c. -----	-	171	44	4.4	63.4	3.4	6.8	42.2	163.1	180.6	340.0	6.2	(NA)	(NA)
35	Machinery, except electrical --	-	1 857	544	73.8	1 103.6	49.9	99.8	668.0	2 181.9	1 869.2	4 073.6	108.0	74.4	1 391.7
351	Engines and turbines -----	-	9	7	3.7	64.7	2.8	5.7	46.5	129.2	191.5	333.0	(D)	(NA)	(NA)
3519	Internal combustion engines, n.e.c. -----	-	9	7	3.7	64.7	2.8	5.7	46.5	129.2	191.5	333.0	(D)	(NA)	(NA)
352	Farm and garden machinery -----	-	10	7	1.7	28.6	1.3	2.4	20.3	54.5	45.7	102.4	(D)	1.9	39.2
353	Construction and related machinery -----	-	77	31	7.5	123.6	5.1	10.1	77.4	208.3	387.5	633.0	18.8	9.8	172.8
354	Metalworking machinery --	-	649	152	18.2	269.5	13.2	27.1	178.3	502.8	292.1	770.1	22.0	18.4	298.8
3541	Machine tools, metal cutting types -----	-	58	23	1.8	28.1	1.2	2.4	16.0	61.9	32.6	91.2	3.0	(NA)	(NA)
3542	Machine tools, metal forming types -----	-	28	12	4.4	66.0	3.1	6.0	44.2	111.6	72.4	168.6	2.9	(NA)	(NA)
3544	Special dies, tools, jigs, and fixtures -----	E2	468	83	5.8	97.7	4.7	10.1	70.6	168.0	68.9	233.8	11.2	(NA)	(NA)
3546	Power driven hand tools --	-	10	5	2.7	29.2	1.8	3.4	16.6	71.1	66.3	136.2	(D)	(NA)	(NA)
355	Special industry machinery --	-	185	73	7.7	115.9	5.0	9.8	64.2	226.5	187.4	408.8	10.4	9.3	189.9
3551	Food products machinery -----	-	43	22	2.3	35.8	1.4	2.7	17.9	62.0	53.0	113.7	5.1	(NA)	(NA)
3555	Printing trades machinery -----	E1	55	22	1.6	22.1	1.1	2.1	12.0	46.6	28.6	73.5	1.4	(NA)	(NA)
356	General industrial machinery -----	-	207	94	12.7	188.0	8.7	17.2	114.0	406.7	294.8	698.9	14.9	11.7	235.9
3561	Pumps and pumping equipment -----	E1	17	8	1.7	25.8	1.1	2.3	14.9	59.1	40.2	97.0	2.6	(NA)	(NA)
3562	Ball and roller bearings --	-	8	4	0.9	15.1	0.7	1.4	11.3	25.6	23.6	48.1	0.6	(NA)	(NA)
3566	Speed changers, drives, and gears -----	-	25	20	2.6	38.8	1.9	3.5	23.5	86.5	39.2	123.9	3.7	(NA)	(NA)
3567	Industrial furnaces and ovens -----	-	11	8	1.0	13.1	0.7	1.5	7.3	27.3	14.4	41.6	1.1	(NA)	(NA)
3568	Power transmission equipment, n.e.c. -----	-	9	6	0.9	11.6	0.6	1.1	6.6	25.6	19.8	44.3	0.8	(NA)	(NA)
3569	General industrial machinery, n.e.c. -----	-	77	29	3.0	47.4	2.1	4.3	29.0	94.7	89.4	189.9	3.1	(NA)	(NA)
357	Office and computing machines -----	-	44	22	8.6	123.5	4.0	7.5	46.8	296.3	230.1	540.4	10.2	(NA)	(NA)
3579	Office machines, n.e.c. and typewriters -----	-	23	13	6.7	98.1	3.1	5.6	37.3	250.6	192.4	448.2	7.9	(NA)	(NA)
358	Refrigeration and service machinery -----	-	83	39	5.2	71.5	3.5	6.9	41.2	150.5	135.8	278.1	6.2	6.4	125.1
3585	Refrigeration and heating equipment -----	-	21	14	1.4	18.2	1.0	2.1	11.2	35.5	34.6	69.7	(D)	(NA)	(NA)
3589	Service industry machinery, n.e.c. -----	-	44	18	2.8	40.8	1.7	3.2	21.4	80.7	70.3	147.4	3.2	(NA)	(NA)
359	Miscellaneous machinery, except electrical -----	E1	593	119	8.4	118.3	6.4	13.0	79.3	207.2	104.3	308.9	13.8	7.0	121.3
36	Electric and electronic equipment -----	-	653	330	96.7	1 264.9	65.9	127.4	731.9	2 813.6	2 967.5	5 713.6	114.7	110.9	2 160.7
361	Electric distributing equipment -----	-	47	31	7.2	100.2	4.9	9.7	56.7	157.9	146.9	299.6	9.3	8.3	116.8
3613	Switchgear and switchboard apparatus --	-	34	22	4.7	68.2	2.9	6.0	35.6	110.6	81.5	189.3	6.9	(NA)	(NA)
363	Household appliances -----	-	27	15	8.6	118.2	6.5	12.4	80.5	264.5	248.5	505.1	(D)	11.5	213.7
3634	Electric housewares and fans -----	-	15	6	3.6	47.3	2.6	4.8	28.9	83.6	75.0	156.4	(D)	(NA)	(NA)
364	Electric lighting and wiring equipment -----	-	148	75	11.7	139.9	8.6	16.4	84.0	317.8	277.2	594.2	13.8	11.4	218.7
3643	Current-carrying wiring devices -----	-	24	11	1.9	20.0	1.4	2.7	12.1	43.1	28.8	70.6	4.2	(NA)	(NA)
3644	Noncurrent-carrying wiring devices -----	-	14	10	4.2	56.3	3.0	5.8	34.4	123.3	116.5	241.5	4.1	(NA)	(NA)
3645	Residential lighting fixtures -----	E2	53	26	2.2	24.4	1.8	3.3	15.8	47.4	46.4	93.6	0.6	(NA)	(NA)

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Cook County—Con.														
36	Electric and electronic equipment—Con.														
364	Electric lighting and wiring equipment—Con.														
3648	Lighting equipment, n.e.c. -----	E2	21	12	0.9	10.6	0.6	1.2	5.8	26.7	25.0	52.1	1.0	(NA)	(NA)
366	Communication equipment -	-	72	32	31.0	456.4	18.8	35.8	246.2	976.9	949.2	1 893.5	38.8	39.1	774.0
367	Electronic components and accessories -----	-	162	73	14.2	166.5	10.6	22.3	107.0	281.8	230.1	508.4	12.2	15.9	210.3
3679	Electronic components, n.e.c. -----	E1	105	37	5.1	63.0	3.9	9.5	43.6	126.3	70.2	198.7	6.0	(NA)	(NA)
369	Miscellaneous electrical equipment and supplies --	-	67	36	4.7	57.6	3.1	5.9	27.7	116.2	148.9	257.0	10.9	3.4	61.7
37	Transportation equipment ---	-	156	70	25.4	443.6	19.8	40.7	320.9	1 098.4	2 318.7	3 373.5	50.9	23.8	619.6
371	Motor vehicles and equipment -----	-	106	40	9.4	164.7	7.8	17.2	127.9	377.4	1 584.7	1 910.8	23.8	6.5	101.6
3743	Railroad equipment -----	-	23	20	13.4	242.7	9.8	19.6	165.8	650.4	645.4	1 307.8	(D)	(NA)	(NA)
38	Instruments and related products -----	-	335	131	29.4	395.6	17.3	33.4	188.4	868.4	607.0	1 437.9	32.5	29.2	590.6
3811	Engineering and scientific instruments ---	-	28	14	2.3	27.6	1.1	2.3	11.7	78.6	49.0	124.6	(D)	(NA)	(NA)
382	Measuring and controlling devices -----	-	79	40	12.2	167.2	7.0	13.7	79.2	359.9	233.0	581.9	12.0	10.1	163.1
3825	Instruments to measure electricity -----	-	24	12	2.8	35.8	1.5	2.7	16.9	88.2	87.9	175.6	2.4	(NA)	(NA)
3829	Measuring and controlling devices, n.e.c. -----	-	23	10	2.5	39.6	1.0	2.1	13.0	79.3	49.0	122.9	3.7	(NA)	(NA)
384	Medical instruments and supplies -----	-	104	34	6.4	89.1	4.2	7.9	46.4	244.1	150.3	382.0	6.5	6.5	189.7
3841	Surgical and medical instruments -----	-	27	13	0.9	11.7	0.7	1.5	6.6	23.4	16.1	38.5	0.9	(NA)	(NA)
3842	Surgical appliances and supplies -----	-	42	11	4.0	55.7	2.6	4.7	30.9	173.9	105.5	269.8	4.3	(NA)	(NA)
3843	Dental equipment and supplies -----	-	35	10	1.5	21.7	0.9	1.7	8.9	46.8	28.7	73.8	1.3	(NA)	(NA)
39	Miscellaneous manufacturing industries -----	-	548	181	25.3	278.0	19.3	35.9	171.0	590.9	484.6	1 076.2	31.6	27.2	430.9
3931	Musical instruments -----	-	31	12	3.2	36.6	2.5	4.3	23.0	61.0	64.4	136.4	(D)	(NA)	(NA)
394	Toys and sporting goods --	-	93	43	5.2	54.8	3.9	7.5	33.1	143.6	110.0	254.1	6.8	6.3	110.4
399	Miscellaneous manufactures -----	-	286	92	13.2	144.8	10.4	19.2	93.5	294.1	232.9	517.7	19.2	11.7	176.4
3993	Signs and advertising displays -----	-	133	47	4.2	52.0	3.0	5.8	29.4	91.6	58.5	149.7	2.9	(NA)	(NA)
3999	Manufacturing industries, n.e.c. -----	-	130	34	8.2	83.9	6.8	12.2	58.7	185.4	156.4	332.9	16.0	(NA)	(NA)
--	Administrative and auxiliary --	-	488	283	60.2	1 259.7	-	-	-	-	-	-	-	(NA)	(NA)
	Cumberland County -----	-	11	4	0.5	2.7	0.5	0.8	2.5	4.1	4.3	8.4	0.2	(D)	(D)
	De Kalb County -----	-	103	48	7.5	92.8	5.4	10.4	56.1	182.6	266.9	439.5	8.4	7.8	127.9
33	Primary metal industries -----	-	7	6	1.0	11.8	0.8	1.4	8.4	21.1	86.2	104.1	1.6	1.0	13.0
34	Fabricated metal products ---	-	10	6	0.9	11.3	0.7	1.4	7.9	36.9	51.4	83.0	2.3	0.6	10.9
35	Machinery, except electrical --	-	17	6	0.7	9.7	0.6	1.2	7.0	20.3	26.1	45.6	0.8	0.6	15.6
36	Electric and electronic equipment -----	-	7	5	2.4	25.6	1.9	3.6	17.7	51.5	39.1	90.1	1.8	2.9	45.1
--	Administrative and auxiliary --	-	4	4	0.6	12.8	-	-	-	-	-	-	-	(NA)	(NA)
	De Witt County -----	-	23	7	1.2	14.5	1.0	1.3	10.3	32.8	49.0	82.2	3.9	1.0	19.5
	Du Page County -----	-	1 340	461	56.4	807.8	32.7	65.4	356.6	1 370.1	1 329.9	2 666.5	86.7	40.5	803.8
20	Food and kindred products --	-	32	14	3.6	50.4	2.7	5.6	35.0	159.1	169.7	327.9	11.6	2.6	64.6
24	Lumber and wood products --	E1	23	8	0.5	5.6	0.4	0.8	4.0	10.6	20.0	30.6	0.8	(NA)	(NA)
25	Furniture and fixtures -----	-	25	9	1.2	12.5	1.0	1.8	9.5	22.6	25.0	47.0	1.0	(NA)	(NA)
251	Household furniture -----	-	10	3	0.7	7.2	0.6	1.2	6.1	11.4	16.7	28.0	(D)	0.6	8.7
26	Paper and allied products ---	-	33	19	1.9	25.7	1.5	2.8	16.7	45.8	87.8	133.4	2.0	2.1	34.5

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

For explanation of terms, see appendix B															
SIC code	County and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Du Page County—Con.														
26	Paper and allied products— Con.														
265	Paperboard containers and boxes -----	-	21	15	1.5	20.4	1.1	2.1	13.1	35.7	75.2	110.7	1.7	1.6	26.3
27	Printing and publishing -----	-	215	63	5.8	73.6	3.5	6.6	39.3	159.6	102.7	264.2	6.7	4.4	90.2
2711	Newspapers -----	-	14	6	0.7	8.2	0.3	0.5	2.6	17.0	9.1	26.1	0.2	(NA)	(NA)
2721	Periodicals -----	-	18	8	0.7	8.9	0.1	0.3	1.4	23.5	13.2	36.7	(D)	(NA)	(NA)
275	Commercial printing -----	E1	129	26	2.9	39.4	2.2	4.2	26.1	76.2	52.9	129.2	3.7	2.1	34.2
28	Chemicals and allied products -----	-	50	12	0.8	10.1	0.5	1.0	4.9	40.2	46.9	86.6	2.3	0.6	26.5
30	Rubber and miscellaneous plastics products -----	-	88	38	4.1	46.2	3.2	6.2	29.4	96.7	86.9	182.2	9.5	2.6	42.4
32	Stone, clay, and glass products -----	-	42	19	0.9	14.5	0.8	1.5	9.4	32.4	36.1	66.4	4.3	0.5	11.4
33	Primary metal industries -----	-	37	15	1.4	19.8	1.2	2.3	13.9	47.5	77.5	123.6	5.2	1.4	29.3
335	Nonferrous rolling and drawing -----	-	5	3	0.5	6.5	0.4	0.8	4.3	13.5	29.7	42.9	0.4	(NA)	(NA)
34	Fabricated metal products ---	E1	193	72	5.1	68.5	3.9	8.0	44.0	146.6	122.0	265.1	7.8	3.8	72.9
344	Fabricated structural metal products -----	E3	47	16	0.8	10.9	0.6	1.1	6.8	19.4	19.9	38.7	1.3	0.5	7.5
345	Screw machine products, bolts, etc. -----	E2	35	12	0.9	14.2	0.7	1.6	9.0	25.0	25.4	50.2	1.5	1.0	23.5
3452	Bolts, nuts, rivets, and washers -----	E3	15	9	0.7	10.7	0.5	1.1	6.6	19.3	20.1	39.2	1.1	(NA)	(NA)
346	Metal forgings and stampings -----	E1	29	14	0.8	11.0	0.6	1.3	8.0	19.2	20.7	38.4	1.6	0.5	9.8
3469	Metal stampings, n.e.c. --	E1	22	10	0.6	8.6	0.5	1.0	6.3	14.1	15.5	29.4	(D)	(NA)	(NA)
349	Miscellaneous fabricated metal products -----	-	51	20	1.8	22.8	1.4	2.9	14.0	61.2	34.6	94.7	2.7	1.1	17.5
3499	Fabricated metal products, n.e.c. -----	-	26	6	1.2	14.9	0.9	1.8	8.8	44.1	19.0	62.2	(D)	(NA)	(NA)
35	Machinery, except electrical --	E1	303	71	7.4	109.8	5.0	10.2	62.6	229.3	169.2	399.9	12.5	4.8	106.8
354	Metalworking machinery ---	E1	111	22	1.6	26.2	1.2	2.5	17.9	46.9	22.9	68.3	3.0	1.3	26.2
3544	Special dies, tools, jigs, and fixtures -----	E2	85	15	1.0	17.1	0.8	1.8	12.7	27.2	10.2	37.2	2.6	(NA)	(NA)
355	Special industry machinery --	E1	26	8	0.5	7.0	0.3	0.6	3.0	12.9	10.2	24.0	0.7	0.8	23.0
356	General industrial machinery -----	-	38	16	2.0	27.9	1.3	2.7	16.8	69.9	36.0	106.5	2.5	1.2	24.4
3566	Speed changers, drives, and gears -----	-	4	4	0.6	9.7	0.4	0.9	6.4	20.4	10.5	31.2	(D)	(NA)	(NA)
358	Refrigeration and service machinery -----	-	14	7	1.1	14.7	0.4	0.9	5.0	31.5	40.7	73.4	0.9	(NA)	(NA)
359	Miscellaneous machinery, except electrical -----	E6	88	11	1.7	22.1	1.4	2.8	15.3	40.9	18.6	58.8	3.4	0.6	10.2
3599	Machinery, except electrical, n.e.c. -----	E6	88	11	1.7	22.1	1.4	2.8	15.3	40.9	18.6	58.8	3.4	(NA)	(NA)
36	Electric and electronic equipment -----	-	105	46	9.4	126.8	5.4	10.8	54.4	277.4	283.0	540.0	17.3	5.0	91.4
361	Electric distributing equipment -----	E2	11	6	0.5	5.1	0.3	0.6	3.4	6.4	8.6	14.9	(D)	(NA)	(NA)
362	Electrical industrial apparatus -----	E2	16	9	1.0	9.9	0.7	1.3	6.0	23.8	12.8	35.0	0.4	0.7	9.4
367	Electronic components and accessories -----	-	32	14	1.8	19.7	1.3	2.8	10.1	42.4	30.2	71.0	1.9	0.7	14.2
37	Transportation equipment ---	-	16	7	2.5	21.6	2.0	4.1	12.3	28.3	47.6	72.1	2.8	(NA)	(NA)
371	Motor vehicles and equipment -----	-	9	4	2.3	19.5	1.8	3.8	10.9	22.6	43.1	62.1	(D)	(NA)	(NA)
38	Instruments and related products -----	-	43	17	2.4	35.6	1.4	2.9	17.4	61.0	41.5	100.7	2.1	1.0	18.1
3823	Process control instruments -----	-	7	5	0.5	7.1	0.3	0.5	3.3	17.9	5.7	23.0	0.3	(NA)	(NA)
--	Administrative and auxiliary --	-	67	43	8.9	181.5	-	-	-	-	-	-	-	(NA)	(NA)
	Edgar County -----	-	27	9	2.0	18.6	1.7	3.2	13.4	38.6	82.3	120.8	1.6	2.6	27.3
	Effingham County -----	-	38	14	3.5	45.2	2.8	5.4	33.8	76.1	106.5	180.9	9.9	3.0	52.2
	Fayette County -----	-	25	6	1.2	10.4	1.1	2.0	9.1	18.6	25.3	43.1	1.5	0.9	8.9

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Ford County -----	-	23	11	1.0	11.1	0.8	1.5	7.5	11.3	123.4	141.7	2.3	0.8	15.8
	Franklin County -----	-	42	7	0.7	7.0	0.6	1.1	4.7	15.8	23.4	38.3	0.6	0.9	12.1
	Fulton County -----	-	33	6	2.1	33.6	1.5	2.6	22.8	62.4	70.2	133.3	2.6	(D)	(D)
	Grundy County -----	-	42	27	3.1	43.6	2.2	4.5	26.9	96.8	297.1	385.5	(D)	2.4	47.5
28	Chemicals and allied products -----	-	9	7	0.9	16.5	0.5	1.2	9.6	48.8	154.2	198.6	(D)	0.6	19.3
36	Electric and electronic equipment -----	E1	5	4	0.5	2.5	0.4	0.8	1.5	4.7	5.4	10.2	(D)	(NA)	(NA)
	Hancock County -----	-	27	6	0.6	5.9	0.5	0.9	3.8	14.5	24.5	38.9	1.0	0.5	7.9
	Henry County -----	-	68	27	3.7	45.1	2.5	4.4	28.2	96.8	287.0	384.2	3.8	3.0	60.5
35	Machinery, except electrical --	-	16	6	1.2	13.8	0.7	1.1	6.8	32.8	26.9	59.6	(D)	0.8	27.4
	Iroquois County -----	-	52	18	2.5	22.8	2.1	4.0	16.8	58.9	58.6	116.2	5.8	2.4	32.6
36	Electric and electronic equipment -----	-	6	4	1.1	7.5	1.0	1.9	6.1	17.7	13.8	31.1	(D)	(NA)	(NA)
	Jackson County -----	-	44	9	1.6	14.4	1.2	2.5	9.6	34.1	50.5	85.2	2.4	2.0	28.8
	Jasper County -----	-	12	4	0.6	3.9	0.5	0.9	3.0	9.2	6.4	15.0	0.1	0.2	1.2
	Jefferson County -----	-	39	15	2.7	32.2	2.0	3.9	22.7	96.8	87.5	177.9	5.8	1.7	20.1
	Jo Daviess County -----	-	38	12	1.5	14.2	1.3	2.5	11.4	74.7	81.6	157.5	1.9	1.2	26.9
	Kane County -----	-	604	272	45.7	647.4	31.2	60.5	390.3	1 562.5	1 750.5	3 310.6	106.1	44.7	780.8
20	Food and kindred products --	-	21	16	1.6	24.3	1.1	2.3	15.7	81.6	263.8	343.5	7.5	1.1	26.8
201	Meat products -----	-	5	4	0.7	11.7	0.6	1.3	9.7	44.8	162.4	205.3	(D)	(NA)	(NA)
23	Apparel and other textile products -----	-	8	6	1.2	11.0	1.1	2.0	7.8	24.8	16.5	40.3	0.2	(NA)	(NA)
25	Furniture and fixtures -----	-	21	14	3.7	51.2	2.8	5.4	35.2	104.2	82.8	186.1	5.2	3.3	61.6
251	Household furniture -----	-	9	6	1.2	15.3	0.9	2.0	10.0	34.9	24.6	59.6	(D)	0.8	11.5
26	Paper and allied products ---	-	20	15	1.3	15.6	1.0	2.1	10.4	33.8	40.5	74.0	3.5	1.4	25.8
27	Printing and publishing -----	-	71	18	2.2	25.2	1.4	2.5	15.2	45.7	32.9	77.6	3.3	2.0	32.4
2711	Newspapers -----	-	7	4	0.6	6.3	0.3	0.6	3.5	13.6	4.7	18.2	0.8	(NA)	(NA)
275	Commercial printing -----	-	40	11	0.9	10.6	0.8	1.3	8.1	20.0	15.3	34.6	(D)	0.7	11.4
28	Chemicals and allied products -----	-	28	12	1.5	22.3	1.1	2.0	14.3	170.8	131.7	299.2	12.2	1.6	64.9
30	Rubber and miscellaneous plastics products -----	-	47	25	2.1	22.9	1.8	3.5	16.1	45.1	47.1	91.8	3.1	1.8	25.3
32	Stone, clay, and glass products -----	-	37	17	2.4	32.6	1.6	2.9	20.0	66.3	45.2	115.9	1.9	2.4	44.6
329	Miscellaneous nonmetallic mineral products -----	-	8	6	1.7	24.4	1.1	1.9	13.6	48.4	23.0	75.6	0.9	(NA)	(NA)
33	Primary metal industries -----	-	14	4	0.5	5.7	0.4	0.8	4.2	10.0	8.1	18.1	0.6	1.2	19.0
34	Fabricated metal products ---	-	76	37	4.1	58.8	3.0	6.1	38.1	119.3	101.1	218.0	13.2	4.7	82.6
344	Fabricated structural metal products -----	-	17	10	0.7	9.6	0.5	1.0	5.4	21.9	23.9	45.3	1.5	0.5	8.6
349	Miscellaneous fabricated metal products -----	-	17	9	1.2	15.9	0.8	1.6	10.0	38.3	27.7	64.9	2.9	1.7	30.0
354	Metalworking machinery ---	-	27	8	0.8	11.0	0.5	1.0	6.9	21.9	12.2	34.4	1.2	1.7	18.0
356	General industrial machinery -----	-	18	9	2.2	29.9	1.7	3.2	21.6	60.9	40.9	99.5	1.8	1.5	24.9
36	Electric and electronic equipment -----	-	44	17	5.6	73.1	4.2	7.9	46.1	239.6	166.3	404.2	8.9	5.4	92.2

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Kane County—Con.														
36	Electric and electronic equipment—Con.														
367	Electronic components and accessories -----	-	13	6	0.9	9.8	0.6	1.2	5.3	19.1	10.3	29.0	0.9	(NA)	(NA)
39	Miscellaneous manufacturing industries -----	-	28	11	1.6	17.9	1.4	2.6	12.1	37.4	32.0	68.9	2.3	1.9	32.9
399	Miscellaneous manufactures -----	-	14	5	1.0	11.5	0.8	1.6	8.6	23.5	14.5	37.7	(D)	0.9	15.1
--	Administrative and auxiliary --	-	21	17	2.3	41.5	-	-	-	-	-	-	-	(NA)	(NA)
	Kankakee County (Coextensive with Kankakee, Ill., SMSA; see table 6.)														
	Kendall County -----	-	44	13	1.4	15.8	1.1	2.1	9.8	31.3	27.3	57.1	1.9	1.1	16.3
34	Fabricated metal products ---	-	7	3	0.6	5.2	0.5	0.9	3.8	11.3	10.2	20.9	(D)	0.5	7.8
	Knox County -----	-	59	25	8.5	113.2	6.7	12.3	84.5	220.7	402.6	639.5	16.9	8.6	162.0
	Lake County -----	-	619	230	50.4	760.8	27.4	51.9	328.0	1 432.6	1 321.1	2 705.0	73.2	43.1	843.6
20	Food and kindred products --	-	25	11	2.1	28.6	1.3	2.8	16.0	89.2	119.8	208.5	(D)	2.2	62.7
25	Furniture and fixtures -----	-	12	5	0.7	8.5	0.6	1.2	5.2	20.4	21.9	41.8	1.0	0.7	15.6
26	Paper and allied products ---	-	14	12	1.6	21.2	1.3	2.6	14.5	37.9	80.4	118.2	2.8	1.7	30.0
265	Paperboard containers and boxes -----	-	5	4	0.9	10.5	0.7	1.4	7.2	14.3	50.5	64.7	(D)	1.1	17.3
27	Printing and publishing -----	E1	87	21	2.6	30.0	1.1	1.9	12.5	52.0	27.0	78.7	1.8	2.1	39.5
2711	Newspapers -----	-	10	5	0.9	6.3	0.2	0.2	1.7	8.9	3.0	12.0	0.4	(NA)	(NA)
275	Commercial printing -----	E1	52	8	1.1	12.5	0.7	1.2	7.4	19.6	14.0	33.7	0.6	0.8	13.0
28	Chemicals and allied products -----	-	40	12	9.3	151.0	2.7	5.5	37.5	443.6	134.8	573.4	13.5	7.4	254.3
30	Rubber and miscellaneous plastics products -----	-	39	21	4.5	54.2	3.1	5.8	30.4	85.2	89.4	174.5	(D)	1.8	28.0
32	Stone, clay, and glass products -----	-	28	15	2.4	34.1	2.0	3.9	26.8	80.7	69.4	147.0	5.9	3.0	53.5
33	Primary metal industries -----	-	19	11	1.5	22.8	1.1	2.0	15.8	35.5	79.7	114.5	2.9	1.8	24.0
34	Fabricated metal products ---	E1	73	28	3.0	38.3	2.0	3.9	21.7	72.1	78.9	148.6	3.7	2.9	55.6
345	Screw machine products, bolts, etc. -----	-	10	2	0.5	8.9	0.4	0.9	6.2	19.6	27.7	46.6	1.0	(NA)	(NA)
349	Miscellaneous fabricated metal products -----	E1	22	13	1.5	17.6	0.8	1.5	7.9	27.6	27.8	54.2	1.4	(NA)	(NA)
3494	Valves and pipe fittings --	-	6	5	0.9	10.1	0.4	0.6	3.8	13.0	11.3	23.7	0.5	(NA)	(NA)
35	Machinery, except electrical --	-	123	36	10.3	173.2	7.1	12.3	98.9	336.9	397.0	709.2	20.5	9.3	186.8
354	Metalworking machinery ---	-	37	6	1.0	16.8	0.6	1.2	8.2	44.3	13.2	53.2	(D)	1.0	22.5
356	General industrial machinery -----	E1	19	6	0.6	6.3	0.4	0.7	3.6	12.6	11.0	23.7	(D)	0.5	16.0
359	Miscellaneous machinery, except electrical -----	E3	38	5	0.5	6.4	0.3	0.7	4.1	13.0	6.0	18.2	1.0	(NA)	(NA)
3599	Machinery, except electrical, n.e.c. -----	E3	38	5	0.5	6.4	0.3	0.7	4.1	13.0	6.0	18.2	1.0	(NA)	(NA)
36	Electric and electronic equipment -----	-	49	25	3.9	43.3	3.0	6.0	27.3	85.5	109.2	190.7	3.4	3.3	46.2
364	Electric lighting and wiring equipment -----	-	5	4	1.5	17.6	1.2	2.7	12.2	31.1	35.5	65.5	(D)	1.0	14.2
367	Electronic components and accessories -----	E1	20	11	0.8	9.2	0.6	1.1	4.9	16.9	13.7	30.8	0.9	0.5	5.6
38	Instruments and related products -----	-	22	7	1.3	17.1	0.7	1.5	7.3	35.8	26.7	60.6	0.8	1.4	13.4
--	Administrative and auxiliary --	-	23	16	5.8	119.0	-	-	-	-	-	-	-	(NA)	(NA)
	La Salle County -----	-	155	66	14.3	201.4	11.4	22.7	153.1	408.1	462.0	863.9	26.9	15.7	293.1

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977												1972	
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	La Salle County—Con.														
27	Printing and publishing -----	-	23	6	0.7	7.4	0.3	0.6	3.1	16.7	5.5	21.7	0.3	0.7	7.8
28	Chemicals and allied products -----	-	10	6	0.9	16.2	0.6	1.4	10.5	65.7	112.0	173.5	7.4	0.8	31.0
32	Stone, clay, and glass products -----	-	20	10	5.1	84.6	4.5	9.0	73.9	169.2	108.2	279.5	6.9	6.0	129.2
34	Fabricated metal products ---	-	16	6	0.5	6.4	0.4	0.7	4.1	17.0	19.4	36.1	0.4	0.7	11.2
35	Machinery, except electrical--	-	27	11	2.5	33.6	1.8	3.5	21.7	42.1	51.2	91.5	(D)	1.7	23.2
37	Transportation equipment ---	-	5	4	0.6	7.1	0.5	1.0	5.7	16.9	26.9	43.1	3.0	(NA)	(NA)
	Lee County -----	-	44	24	3.0	34.7	2.4	4.6	24.9	87.8	92.6	183.7	4.0	2.1	48.8
275	Livingston County -----	-	55	22	3.4	38.9	2.8	5.4	28.9	98.0	152.7	250.9	4.5	3.8	57.2
	Commercial printing -----	E1	7	3	1.2	15.5	1.0	2.0	11.7	36.6	39.2	75.7	2.4	1.0	19.0
	Logan County -----	-	30	10	2.4	27.4	2.0	4.0	21.8	83.4	89.2	172.4	3.6	2.5	100.2
	McDonough County -----	-	37	14	2.4	26.8	2.0	4.1	21.7	60.6	49.4	107.4	2.9	2.1	35.8
32	Stone, clay, and glass products -----	-	6	2	0.5	4.5	0.4	0.9	4.0	10.0	2.5	12.0	(D)	0.5	4.6
	McHenry County -----	-	353	132	18.5	205.6	14.2	27.0	140.0	505.8	513.7	1 033.2	31.7	17.2	282.8
20	Food and kindred products --	-	8	5	0.6	5.9	0.5	0.9	5.3	18.1	66.4	84.5	(D)	0.5	15.5
27	Printing and publishing -----	E1	45	12	1.2	13.0	0.8	1.7	8.1	29.9	14.3	43.7	1.3	0.7	10.8
28	Chemicals and allied products -----	-	13	4	0.5	5.3	0.3	0.6	3.7	40.3	44.6	84.2	2.9	(NA)	(NA)
33	Primary metal industries -----	-	14	10	1.4	18.0	1.2	2.2	13.2	38.6	49.1	88.2	1.4	1.8	28.1
336	Nonferrous foundries -----	-	6	4	1.0	11.3	0.8	1.5	9.4	21.9	31.6	55.9	(D)	(NA)	(NA)
34	Fabricated metal products ---	-	60	22	2.6	32.1	2.1	4.2	22.8	76.1	65.3	139.6	4.5	2.6	49.1
344	Fabricated structural metal products -----	-	12	5	0.5	6.2	0.3	0.7	3.6	16.6	23.6	39.3	(D)	(NA)	(NA)
349	Miscellaneous fabricated metal products -----	-	12	8	1.3	16.4	1.0	2.1	12.3	39.2	28.2	66.9	2.4	1.3	28.5
3499	Fabricated metal products, n.e.c. -----	-	7	4	1.0	13.0	0.8	1.7	10.0	32.1	22.1	53.6	2.0	(NA)	(NA)
35	Machinery, except electrical --	-	79	21	2.7	31.9	2.0	4.0	21.5	75.6	64.1	139.0	8.8	1.7	34.3
354	Metalworking machinery ---	E1	24	5	0.7	8.3	0.5	1.0	5.7	18.4	8.5	25.9	1.3	(NA)	(NA)
356	General industrial machinery -----	-	10	5	0.6	5.6	0.4	0.8	3.1	12.1	8.3	20.2	0.9	0.5	8.7
36	Electric and electronic equipment -----	E1	33	23	5.3	53.4	4.0	7.2	36.4	127.7	130.8	278.8	5.0	6.5	83.7
367	Electronic components and accessories -----	E5	12	9	2.6	24.7	1.8	3.4	15.4	49.1	33.5	79.2	1.5	2.0	19.3
37	Transportation equipment ---	-	7	3	0.8	8.2	0.6	1.2	5.7	22.1	14.7	35.8	(D)	(NA)	(NA)
	McLean County (Coextensive with Bloomington-Normal, Ill., SMSA; see table 6.)														
	Macon County (Coextensive with Decatur, Ill., SMSA; see table 6.)														
	Macoupin County -----	-	42	13	1.0	10.4	0.7	1.4	6.0	22.7	37.7	60.2	1.4	1.0	15.1
	Madison County -----	-	209	83	29.3	482.1	22.7	44.4	342.3	1 159.0	3 336.2	4 488.3	115.6	30.3	705.6
20	Food and kindred products --	E1	18	10	1.0	13.8	0.6	1.3	7.8	84.4	154.8	241.8	4.2	1.1	73.3

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies.
For explanation of terms, see appendix B]

Includes total for all counties in Illinois. For explanation of terms, see appendix B]

SIC code	County and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
23	Madison County—Con.														
	Apparel and other textile products -----	-	6	5	0.7	5.8	0.7	1.4	5.0	6.4	12.1	18.9	(D)	(NA)	(NA)
27	Printing and publishing -----	-	28	7	0.5	6.9	0.3	0.5	3.6	26.3	9.0	35.3	0.4	0.5	15.6
32	Stone, clay, and glass products -----	-	24	9	1.8	26.6	1.6	3.0	21.5	50.3	41.1	95.6	1.9	2.8	48.1
33	Primary metal industries -----	-	22	12	12.9	229.8	10.2	19.4	161.7	447.4	786.2	1 228.7	(D)	13.7	269.5
3341	Secondary nonferrous metals -----	-	3	3	0.6	10.0	0.5	1.1	7.3	20.3	112.7	131.3	(D)	(NA)	(NA)
34	Fabricated metal products ---	-	23	11	3.5	45.2	2.7	5.4	32.6	87.8	69.4	161.8	5.3	3.6	69.5
35	Machinery, except electrical --	-	30	7	1.4	26.9	1.1	2.3	21.4	39.4	27.1	65.1	(D)	1.5	22.7
	Marion County -----	-	49	23	3.9	39.1	3.1	5.9	28.2	106.8	84.3	190.5	20.3	3.3	56.3
	Marshall County -----	-	14	7	0.7	10.5	0.6	1.1	7.1	24.8	76.1	98.5	(D)	0.7	21.5
	Mason County -----	-	18	7	0.7	8.4	0.5	1.0	5.8	17.1	43.7	59.0	3.4	0.6	12.6
	Massac County -----	-	15	6	1.1	13.5	0.9	1.7	9.6	47.4	32.5	80.1	1.4	0.8	23.4
	Montgomery County -----	-	41	17	2.3	23.1	1.8	3.4	16.8	58.7	84.8	142.0	2.1	1.7	24.0
	Morgan County -----	-	39	13	3.5	39.9	2.7	5.2	26.0	202.4	239.0	438.0	8.8	3.5	126.4
27	Printing and publishing -----	-	9	4	0.8	7.6	0.6	0.8	4.0	17.3	6.1	23.6	(D)	0.8	10.4
	Moultrie County -----	-	24	10	1.0	8.9	0.8	1.4	6.1	26.8	29.2	53.8	0.7	1.2	19.7
	Ogle County -----	-	69	35	5.3	66.3	3.9	8.0	46.3	156.6	329.0	479.7	6.3	6.6	105.6
	Peoria County -----	-	238	92	32.9	637.0	15.4	29.1	253.2	735.4	1 416.4	2 128.7	235.2	23.3	385.3
27	Printing and publishing -----	-	58	12	2.0	29.4	1.2	2.2	15.9	57.3	35.6	93.0	(D)	(NA)	(NA)
34	Fabricated metal products ---	-	24	15	1.3	17.4	0.9	1.8	11.4	54.0	58.5	111.7	(D)	1.4	36.0
344	Fabricated structural metal products -----	-	13	8	0.8	11.1	0.5	1.0	6.1	22.0	26.0	47.3	(D)	0.8	15.2
	Perry County -----	-	31	12	2.3	22.0	1.9	3.7	16.7	57.8	80.0	135.4	2.6	2.3	28.0
	Randolph County -----	-	31	14	4.2	49.0	3.6	7.5	40.3	109.9	172.6	279.8	4.9	2.9	57.1
	Richland County -----	-	25	8	2.1	18.6	1.7	3.1	12.6	37.7	42.7	79.5	1.8	2.0	16.9
	Rock Island County -----	-	205	78	26.7	486.7	18.4	35.1	297.2	951.0	1 338.0	2 298.4	70.8	23.6	484.4
27	Printing and publishing -----	-	23	4	0.8	8.3	0.5	0.9	4.3	14.0	8.2	22.1	1.3	0.6	8.9
34	Fabricated metal products ---	E1	29	7	0.9	10.2	0.7	1.3	6.6	18.9	17.5	34.9	0.8	1.2	19.9
35	Machinery, except electrical --	-	64	27	17.6	328.0	13.4	25.6	238.6	755.1	1 076.9	1 845.9	(D)	14.7	362.0
	St. Clair County -----	-	196	76	10.8	149.3	8.1	15.6	104.4	388.8	719.6	1 098.0	46.2	11.8	211.4
20	Food and kindred products --	-	28	19	2.6	36.4	2.0	3.5	25.8	69.5	284.4	352.5	2.4	2.9	58.3
28	Chemicals and allied products -----	-	17	8	2.0	35.1	1.4	2.8	22.9	130.2	154.8	283.5	(D)	2.0	49.2
32	Stone, clay, and glass products -----	-	15	4	0.8	10.9	0.7	1.3	9.0	19.7	17.2	37.1	2.0	1.0	18.9
35	Machinery, except electrical --	-	32	5	0.5	8.1	0.4	0.7	5.1	15.7	14.5	29.8	0.9	0.5	8.0
36	Electric and electronic equipment -----	-	9	5	0.6	6.5	0.5	0.9	5.3	11.6	15.2	26.6	0.5	1.0	10.5
	Sangamon County -----	-	125	36	8.1	112.0	5.5	9.9	68.1	271.6	377.6	641.5	16.5	(D)	(D)

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expendi- tures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Shelby County -----	-	15	4	0.5	2.8	0.4	0.8	1.7	6.4	10.9	16.8	1.1	0.2	3.8
	Stephenson County -----	-	68	27	8.7	104.6	6.2	12.2	64.2	248.0	208.0	451.9	12.5	9.2	164.7
	Tazewell County -----	-	109	31	18.1	334.7	14.2	26.8	247.0	760.2	954.4	1 721.5	104.9	20.8	737.3
	Union County -----	-	15	7	1.0	11.0	0.9	1.9	9.3	30.3	31.9	62.4	(D)	1.1	20.0
	Vermilion County -----	-	142	64	14.1	200.2	10.6	20.4	139.0	414.0	591.3	1 007.5	22.4	14.4	287.5
20	Food and kindred products --	-	19	9	1.6	20.8	1.2	2.5	13.9	52.2	201.8	253.1	4.4	1.6	39.6
28	Chemicals and allied products -----	-	8	5	1.1	10.8	0.9	1.8	7.6	29.0	85.3	115.0	(D)	1.1	17.5
34	Fabricated metal products ---	-	13	5	0.7	10.4	0.5	1.0	7.4	29.9	34.3	63.7	(D)	0.6	13.2
35	Machinery, except electrical --	-	24	10	2.9	40.1	2.2	3.9	28.2	87.1	105.5	196.2	3.3	3.2	72.0
39	Miscellaneous manufacturing industries -----	-	7	3	0.5	4.8	0.4	0.8	3.0	13.0	12.3	24.3	(D)	(NA)	(NA)
	Wabash County -----	-	13	5	1.3	15.9	1.1	2.1	12.7	51.6	18.4	70.7	(D)	1.0	30.0
	Warren County -----	-	26	7	1.3	14.0	1.0	1.9	10.5	21.7	115.2	136.6	1.3	1.3	16.8
	White County -----	-	18	4	0.5	3.1	0.5	0.8	1.6	5.1	6.7	11.5	0.8	0.5	3.8
	Whiteside County -----	-	70	29	9.9	161.2	8.0	15.0	119.7	300.1	268.3	582.2	14.9	10.0	239.7
34	Fabricated metal products ---	-	16	12	2.0	27.8	1.5	2.9	16.7	60.3	42.8	103.6	4.4	2.3	46.6
35	Machinery, except electrical --	-	14	6	0.9	10.3	0.6	1.4	7.3	20.9	15.9	36.3	0.7	0.8	11.0
	Will County -----	-	328	137	25.9	417.8	18.7	37.1	273.6	1 724.2	3 053.2	4 775.3	101.6	25.4	529.9
20	Food and kindred products --	-	25	8	1.0	13.7	0.6	1.0	6.1	46.7	132.4	183.6	3.8	1.1	35.3
26	Paper and allied products ---	-	11	9	1.9	27.9	1.3	2.7	15.8	90.0	100.3	186.2	20.3	(NA)	(NA)
264	Miscellaneous converted paper products -----	-	7	6	1.4	21.8	0.9	2.0	10.9	72.6	82.4	150.0	(D)	(NA)	(NA)
28	Chemicals and allied products -----	-	26	15	2.4	41.9	1.6	3.5	26.7	149.0	289.5	438.8	20.8	3.1	85.5
29	Petroleum and coal products -	-	7	5	2.9	56.9	2.2	4.8	41.9	836.9	1 836.4	2 671.1	9.7	(NA)	(NA)
32	Stone, clay, and glass products -----	-	26	13	1.3	18.3	1.1	2.3	13.9	39.1	36.2	75.6	3.5	(NA)	(NA)
327	Concrete, gypsum, and plaster products -----	-	16	9	0.5	6.5	0.4	0.7	5.0	13.4	17.2	30.5	1.6	(NA)	(NA)
33	Primary metal industries -----	-	12	10	2.1	35.2	1.7	3.0	26.6	14.8	221.2	234.5	4.4	3.6	64.5
331	Blast furnace and basic steel products -----	-	4	4	1.8	32.1	1.4	2.5	24.6	9.6	204.7	212.8	(D)	3.4	61.9
3312	Blast furnaces and steel mills -----	-	4	4	1.8	32.1	1.4	2.5	24.6	9.6	204.7	212.8	(D)	(NA)	(NA)
34	Fabricated metal products ---	-	41	18	2.8	36.3	1.7	3.3	18.6	67.8	71.6	138.1	5.9	(NA)	(NA)
344	Fabricated structural metal products -----	-	20	7	0.6	9.9	0.5	0.9	6.3	15.7	23.1	38.2	(D)	0.9	16.0
39	Miscellaneous manufacturing industries -----	-	14	5	0.8	11.9	0.5	0.9	4.8	20.7	13.8	31.5	(D)	(NA)	(NA)
	Williamson County -----	-	56	17	3.6	37.1	2.8	5.1	25.8	72.3	78.6	146.4	4.6	4.0	50.2
	Winnebago County -----	-	683	243	44.5	645.0	30.2	62.4	391.3	1 412.2	1 056.8	2 435.4	(D)	(D)	(D)
28	Chemicals and allied products -----	-	14	9	1.8	25.5	1.5	3.3	18.0	155.1	70.0	225.3	(D)	(NA)	(NA)
32	Stone, clay, and glass products -----	-	31	11	1.0	15.3	0.7	1.4	8.9	39.0	23.6	61.2	1.8	(NA)	(NA)
33	Primary metal industries -----	-	23	14	1.3	15.5	1.0	2.0	10.7	23.7	39.2	62.6	2.2	(NA)	(NA)

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

For explanation of terms, see appendix B)

SIC code	County and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Winnebago County—Con.														
34	Fabricated metal products ---	-	134	54	12.3	173.6	9.1	18.6	117.7	342.5	260.8	602.0	26.3	(NA)	(NA)
341	Metal cans and shipping containers -----	-	3	3	0.8	13.0	0.6	1.3	9.1	32.4	28.4	61.4	(D)	(NA)	(NA)
3411	Metal cans -----	-	3	3	0.8	13.0	0.6	1.3	9.1	32.4	28.4	61.4	(D)	(NA)	(NA)
346	Metal forgings and stampings -----	-	11	4	0.6	9.3	0.4	0.9	6.6	17.8	18.5	35.7	0.8	(NA)	(NA)
349	Miscellaneous fabricated metal products -----	-	25	9	0.8	9.0	0.6	1.2	6.0	21.5	14.3	36.0	0.8	(NA)	(NA)
355	Special industry machinery -	-	16	6	2.0	31.7	1.4	3.1	22.1	81.3	53.6	132.6	(D)	(NA)	(NA)
356	General industrial machinery -----	-	44	14	4.2	64.9	2.9	5.7	40.0	137.6	96.0	230.6	(D)	(NA)	(NA)
36	Electric and electronic equipment -----	-	14	8	1.5	15.6	1.0	1.9	8.3	12.8	32.6	49.8	0.8	(NA)	(NA)

Note: "County" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry	1977											1972		
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Addison -----	-	309	101	7.1	91.1	5.5	10.9	59.7	191.5	178.6	370.1	10.0	5.9	105.9
27	Printing and publishing -----	E1	28	12	0.9	13.3	0.7	1.5	9.6	26.7	20.2	47.0	(D)	0.6	9.3
275	Commercial printing -----	E1	22	7	0.8	11.8	0.6	1.2	8.4	21.6	18.4	40.1	0.5	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	E1	31	11	0.9	9.3	0.7	1.4	6.3	21.3	25.3	45.9	(D)	0.8	12.7
34	Fabricated metal products ---	E2	63	25	1.3	17.2	1.0	2.1	11.3	34.1	34.8	68.8	(D)	1.3	24.5
35	Machinery, except electrical --	E1	87	19	1.4	20.3	1.0	2.1	13.0	38.6	31.9	70.9	(D)	1.0	19.9
354	Metalworking machinery ---	E2	40	6	0.5	6.9	0.4	0.7	4.9	10.7	5.1	15.8	1.0	(NA)	(NA)
36	Electric and electronic equipment -----	E2	18	9	0.7	8.7	0.6	1.2	5.1	14.9	10.6	26.0	(D)	0.6	7.7
367	Electronic components and accessories -----	E2	11	6	0.5	5.7	0.4	0.9	3.8	10.1	7.2	16.9	0.3	(NA)	(NA)
	Alsip -----	-	78	36	2.9	43.7	1.8	3.5	22.4	114.2	132.5	245.1	4.6	2.3	95.0
	Alton -----	-	38	15	6.6	113.9	5.1	9.8	84.4	191.8	215.2	408.6	13.0	8.0	140.9
	Antioch -----	-	44	12	1.5	16.5	1.2	2.3	11.0	36.4	28.5	64.5	1.9	1.5	26.2
	Arlington Heights -----	-	86	20	2.9	35.8	1.7	3.4	17.0	97.0	56.2	151.7	4.0	2.5	40.6
	Aurora -----	-	157	69	16.0	238.4	11.3	21.6	149.4	645.3	803.5	1 455.5	48.2	16.0	275.8
25	Furniture and fixtures -----	-	10	7	1.0	10.8	0.8	1.7	7.9	26.0	22.3	47.6	(D)	(NA)	(NA)
34	Fabricated metal products ---	E1	17	11	0.9	11.2	0.7	1.3	7.6	34.9	23.1	57.2	1.8	1.3	28.8
35	Machinery, except electrical --	-	40	15	9.8	169.3	6.6	12.7	107.6	442.6	658.7	1 111.9	(D)	10.0	162.4
	Batavia -----	-	40	20	2.5	30.5	1.5	2.8	13.3	61.0	38.4	99.4	1.5	2.3	56.0
	Administrative and auxiliary --	-	4	4	0.5	8.3	-	-	-	-	-	-	-	(NA)	(NA)
	Beardstown -----	-	14	6	1.3	19.7	1.1	2.0	16.1	35.3	143.3	178.6	(D)	1.3	18.5
	Bedford Park -----	-	67	54	12.9	189.9	8.4	17.1	112.3	602.0	479.6	1 070.6	28.0	(NA)	(NA)
	Belleville -----	-	61	19	2.1	23.9	1.6	2.8	16.1	56.0	67.6	123.0	2.4	2.0	25.1
	Bellwood -----	-	61	34	6.3	91.5	4.9	9.9	64.2	190.7	133.6	318.1	6.2	6.8	119.6
	Belvidere -----	-	27	14	4.5	81.2	3.7	8.0	64.0	161.5	478.2	633.4	(D)	(D)	(D)
	Bensenville -----	-	148	41	4.3	55.3	3.2	6.3	34.8	102.7	92.3	194.3	9.4	1.9	35.3
33	Primary metal industries -----	-	6	5	0.6	8.7	0.5	1.0	6.3	23.3	29.3	52.1	(D)	0.7	16.4
34	Fabricated metal products ---	-	32	10	0.7	10.2	0.6	1.1	6.4	19.2	17.5	36.3	1.5	(NA)	(NA)
35	Machinery, except electrical --	E7	40	7	1.3	17.4	1.1	2.2	12.4	31.3	14.9	45.8	2.3	(NA)	(NA)
	Berkeley -----	-	13	7	0.5	7.2	0.4	0.9	4.9	12.8	13.7	25.7	0.7	0.6	9.5
	Bloomington -----	-	60	29	6.8	74.4	3.5	6.4	36.4	159.9	251.7	406.3	13.8	5.8	124.5
20	Food and kindred products --	-	9	7	0.7	9.2	0.4	0.8	4.3	26.7	101.1	127.5	(D)	(NA)	(NA)
	Blue Island -----	-	48	25	3.6	45.7	2.8	5.7	31.8	101.2	102.2	202.5	6.8	3.9	94.9
	Bradley -----	-	14	7	2.0	26.1	1.5	2.8	18.1	37.6	139.2	169.5	(D)	2.8	76.6
	Bridge View -----	-	55	23	2.5	33.7	1.9	3.8	24.2	108.4	129.1	236.3	4.5	2.4	75.0
	Broadview -----	-	76	47	4.6	66.0	3.3	6.6	41.8	146.0	139.8	280.6	11.8	4.2	96.2

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

Detailed explanation of terms, see appendix B]															
SIC code	City and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Carbondale -----	-	20	6	1.0	8.2	0.7	1.3	4.6	23.4	23.6	47.5	(D)	0.7	13.6
	Carol Stream -----	-	36	19	4.0	50.7	2.6	5.0	26.6	113.0	107.2	219.7	4.4	2.4	37.1
27	Printing and publishing -----	-	12	5	1.0	11.9	0.5	1.0	4.7	20.1	13.8	36.6	(D)	0.7	9.7
	Carpentersville -----	-	25	16	1.8	24.0	1.2	2.4	14.8	53.8	72.1	124.6	9.3	2.1	45.0
	Cary -----	-	30	11	1.1	10.2	0.7	1.4	5.7	48.4	54.6	104.2	2.6	(D)	(D)
	Champaign -----	-	69	22	2.5	25.9	1.5	2.7	14.2	54.1	37.5	91.1	5.3	2.9	42.6
27	Printing and publishing -----	E1	31	7	0.9	7.9	0.3	0.5	3.8	13.7	6.3	20.0	(D)	0.7	8.8
	Charleston -----	-	18	10	2.1	20.3	1.7	3.0	15.2	73.9	99.6	170.0	6.0	1.2	48.4
	Chicago -----	-	6 378	2 417	366.0	5 299.2	241.2	471.4	2 911.5	10 599.8	12 729.2	23 191.6	491.2	430.6	8 032.5
2335	Women's and misses' dresses -----	E1	46	21	1.8	15.4	1.4	2.5	9.5	34.4	63.8	98.2	0.6	(NA)	(NA)
238	Miscellaneous apparel and accessories -----	E1	18	7	1.0	7.6	0.8	1.4	4.8	15.0	13.8	28.4	0.2	(NA)	(NA)
239	Miscellaneous fabricated textile products -----	-	172	60	4.8	43.2	3.8	7.1	29.0	85.8	133.3	219.8	2.3	(NA)	(NA)
2541	Wood partitions and fixtures -----	-	29	12	1.2	14.6	0.9	1.9	10.0	23.9	19.1	42.8	0.5	(NA)	(NA)
2651	Folding paperboard boxes -----	-	26	13	1.4	19.2	1.1	2.4	13.7	37.9	55.9	94.2	2.4	(NA)	(NA)
2652	Setup paperboard boxes -----	E2	15	10	0.7	6.3	0.6	1.1	4.3	10.6	7.5	18.0	0.3	(NA)	(NA)
2653	Corrugated and solid fiber boxes -----	E1	40	26	2.6	37.6	1.8	3.7	21.1	65.0	105.7	170.2	(D)	(NA)	(NA)
273	Books -----	-	80	20	4.1	60.8	0.8	1.5	8.0	232.3	108.1	338.6	(D)	(NA)	(NA)
2731	Book publishing -----	-	48	13	3.6	53.2	0.3	0.6	2.6	219.7	96.6	314.4	(D)	(NA)	(NA)
2732	Book printing -----	E1	32	7	0.6	7.7	0.4	0.8	5.5	12.6	11.6	24.2	0.6	(NA)	(NA)
275	Commercial printing -----	E1	665	137	17.2	281.4	13.4	26.7	202.9	476.4	297.3	773.8	(D)	(NA)	(NA)
278	Blankbooks and bookbinding -----	-	80	29	2.9	33.7	2.5	4.8	25.5	57.8	28.8	85.7	(D)	(NA)	(NA)
279	Printing trade services -----	E1	155	44	3.6	66.5	2.7	5.2	47.0	108.7	23.5	131.5	(D)	(NA)	(NA)
284	Soaps, cleaners, and toilet goods -----	-	89	19	2.9	40.2	2.0	4.3	25.9	237.0	203.3	437.5	(D)	(NA)	(NA)
2841	Soap and other detergents -----	-	19	7	1.1	16.6	0.7	1.5	10.9	93.6	95.9	188.6	(D)	(NA)	(NA)
2851	Paints and allied products -----	-	54	28	4.0	58.4	2.3	4.7	30.1	174.6	234.4	400.2	(D)	(NA)	(NA)
289	Miscellaneous chemical products -----	E1	65	29	2.1	30.1	1.2	2.5	14.1	83.2	117.4	201.5	(D)	(NA)	(NA)
2893	Printing ink -----	E3	18	9	0.9	14.0	0.5	1.0	6.7	30.7	48.1	78.1	(D)	(NA)	(NA)
2899	Chemical preparations, n.e.c. -----	-	27	9	0.6	8.5	0.3	0.7	3.3	28.8	35.5	64.4	(D)	(NA)	(NA)
3111	Leather tanning and finishing -----	-	11	5	0.8	10.3	0.7	1.4	8.0	19.4	24.3	43.6	1.2	(NA)	(NA)
3293	Gaskets, packing, and sealing devices -----	-	16	6	0.8	11.4	0.6	1.2	6.7	20.7	19.5	40.7	(D)	(NA)	(NA)
33	Primary metal industries -----	-	178	96	27.5	491.8	22.0	43.3	369.2	1 034.6	1 750.0	2 746.1	67.5	31.1	595.3
3398	Metal heat treating -----	-	18	9	0.6	7.0	0.4	0.9	4.5	14.4	5.3	19.7	1.5	(NA)	(NA)
3412	Metal barrels, drums, and pails -----	-	10	10	1.6	28.4	1.2	2.8	20.7	49.9	72.8	122.7	1.7	(NA)	(NA)
3433	Heating equipment, except electric -----	-	14	5	0.7	7.8	0.5	0.8	4.8	23.2	15.0	38.2	0.7	(NA)	(NA)
3441	Fabricated structural metal -----	E1	28	12	0.8	9.6	0.6	1.2	6.1	16.3	17.5	33.6	(D)	(NA)	(NA)
3442	Metal doors, sash, and trim -----	E1	23	8	0.5	5.5	0.3	0.6	2.6	9.6	9.7	19.5	(D)	(NA)	(NA)
3443	Fabricated plate work (boiler shops) -----	E1	23	18	1.2	19.1	0.8	1.7	11.3	30.3	22.2	52.6	(D)	(NA)	(NA)
3444	Sheet metal work -----	E1	46	13	0.8	10.4	0.6	1.2	7.5	20.4	20.0	40.0	(D)	(NA)	(NA)
3446	Architectural metal work -----	-	18	7	0.6	8.9	0.4	0.7	4.4	27.6	11.6	31.9	(D)	(NA)	(NA)
3452	Bolts, nuts, rivets, and washers -----	-	34	16	2.5	38.8	1.9	3.9	28.0	67.2	53.9	121.6	1.6	(NA)	(NA)
3471	Plating and polishing -----	E1	163	57	3.5	36.7	2.8	5.8	25.7	65.1	33.8	98.7	(D)	(NA)	(NA)
3494	Valves and pipe fittings -----	-	11	6	1.8	24.3	1.0	1.9	12.8	28.0	23.0	54.2	(D)	(NA)	(NA)

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry	1977											1972		
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Chicago—Con.														
3496	Miscellaneous fabricated wire products-----	E1	42	20	1.3	13.3	1.0	1.9	9.3	25.2	20.8	45.4	0.8	(NA)	(NA)
3499	Fabricated metal products, n.e.c.-----	E2	80	15	1.1	13.5	0.8	1.6	8.5	22.7	20.2	42.8	(D)	(NA)	(NA)
3629	Electrical industrial apparatus, n.e.c.-----	-	11	9	0.7	7.9	0.5	1.0	4.7	11.8	11.8	23.4	0.8	(NA)	(NA)
3644	Noncurrent-carrying wiring devices-----	-	7	6	2.5	31.8	1.9	3.7	18.6	63.4	48.0	112.7	1.8	(NA)	(NA)
3694	Engine electrical equipment-----	-	14	7	1.2	13.4	0.9	1.8	7.2	24.3	43.5	67.0	(D)	(NA)	(NA)
399	Miscellaneous manufactures-----	-	193	64	8.5	95.2	6.7	12.6	62.9	191.4	143.3	330.3	(D)	(NA)	(NA)
3993	Signs and advertising displays-----	-	91	30	2.5	31.2	1.8	3.5	18.3	57.0	33.7	90.8	(D)	(NA)	(NA)
3999	Manufacturing industries, n.e.c.-----	-	82	23	5.2	55.0	4.3	7.9	39.3	117.3	91.7	204.6	8.2	(NA)	(NA)
-	Administrative and auxiliary--	-	279	158	33.3	733.5	-	-	-	-	-	-	-	(NA)	(NA)
	Chicago Heights-----	-	95	44	8.5	123.7	6.5	12.4	85.9	292.6	411.8	694.7	15.1	8.0	167.0
	Chicago Ridge-----	-	19	8	0.7	8.0	0.5	1.0	4.9	13.2	18.1	32.9	0.7	0.8	10.6
	Cicero-----	-	180	87	22.4	336.8	16.0	30.6	222.0	598.1	563.3	1 170.7	22.6	33.6	559.5
	Clinton-----	-	15	5	1.0	13.4	0.8	1.1	9.4	30.6	47.0	78.0	3.6	(D)	(D)
	Countryside-----	-	24	9	0.6	9.4	0.4	0.7	4.6	15.5	9.5	25.4	1.5	0.6	5.7
	Crystal Lake-----	-	73	23	4.6	52.1	3.6	7.0	37.4	111.1	67.5	174.9	9.2	3.6	59.9
35	Machinery, except electrical--	-	18	5	1.2	14.5	1.0	1.9	11.0	31.0	22.6	52.7	6.2	0.7	14.4
	Deerfield-----	-	29	10	2.9	50.0	1.3	2.5	18.2	124.0	163.4	289.4	7.5	3.7	69.3
	De Kalb-----	-	37	18	2.7	34.5	1.9	3.7	21.6	86.1	98.8	180.6	3.6	3.0	59.3
	Des Plaines-----	-	195	109	15.5	233.9	7.9	15.5	89.5	419.2	332.9	721.1	16.4	10.6	189.7
27	Printing and publishing-----	-	33	12	1.3	17.1	1.0	2.1	12.4	81.2	38.4	118.9	0.5	1.1	49.8
30	Rubber and miscellaneous plastics products-----	-	23	12	1.3	18.3	1.0	2.1	12.1	37.9	33.7	71.5	3.1	0.6	10.2
34	Fabricated metal products---	-	28	17	2.3	31.8	1.5	2.9	16.5	69.7	51.5	120.6	3.6	1.9	45.6
346	Metal forgings and stampings-----	-	9	5	0.6	8.1	0.5	1.0	6.2	15.6	22.5	37.7	2.3	(NA)	(NA)
3469	Metal stampings, n.e.c.--	-	9	5	0.6	8.1	0.5	1.0	6.2	15.6	22.5	37.7	2.3	(NA)	(NA)
35	Machinery, except electrical--	-	29	16	1.4	19.4	1.0	1.8	11.5	38.8	30.2	67.6	1.7	0.5	8.6
354	Metalworking machinery---	-	12	5	0.5	7.3	0.3	0.6	4.2	17.9	9.1	26.9	0.3	(NA)	(NA)
355	Special industry machinery---	-	6	3	0.5	6.5	0.5	0.6	3.8	8.5	6.2	13.3	0.6	(NA)	(NA)
36	Electric and electronic equipment-----	-	8	7	1.9	28.7	0.9	1.8	9.9	52.1	44.1	76.4	2.1	2.0	22.2
38	Instruments and related products-----	-	11	5	2.6	40.5	1.2	2.3	14.0	77.3	44.5	115.9	3.4	(NA)	(NA)
-	Administrative and auxiliary--	-	28	20	3.1	56.5	-	-	-	-	-	-	-	(NA)	(NA)
	Dixon-----	-	30	16	2.2	24.5	1.6	3.0	16.6	60.5	57.6	120.6	2.9	1.7	40.6
	Dolton-----	-	33	10	1.9	34.6	1.3	2.8	18.9	51.2	63.0	114.0	1.8	1.6	26.8
	Downers Grove-----	-	67	28	4.2	52.9	2.8	5.5	30.0	116.2	80.0	196.0	4.7	3.5	58.1
35	Machinery, except electrical--	-	19	6	1.1	16.4	0.7	1.5	9.0	39.2	17.7	57.8	(D)	0.8	18.0
356	General industrial machinery-----	-	6	4	0.8	13.0	0.6	1.3	8.0	32.5	12.9	45.4	(D)	(NA)	(NA)
36	Electric and electronic equipment-----	-	11	5	0.7	7.1	0.6	1.1	4.1	6.8	8.5	15.4	(D)	(NA)	(NA)
	Du Quoin-----	-	16	8	1.7	16.2	1.3	2.6	12.1	35.2	62.9	96.9	1.6	1.4	13.5

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry		1977											1972	
			All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			E1	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	East St. Louis -----	-	48	21	3.1	42.3	2.3	4.3	30.6	75.0	165.7	242.1	6.1	3.2	46.7
20	Food and kindred products --	-	10	7	1.0	13.9	0.8	1.4	11.0	17.5	103.7	120.9	0.6	1.5	23.4
	Effingham -----	-	23	11	3.3	42.8	2.7	5.1	32.8	72.0	93.9	164.2	(D)	2.7	48.8
	Elgin -----	-	153	65	9.2	124.4	5.5	10.6	63.3	205.0	190.9	395.7	18.2	6.6	92.5
27	Printing and publishing -----	-	25	6	1.2	12.8	0.5	1.1	5.9	20.8	16.1	36.6	2.2	0.8	11.8
30	Rubber and miscellaneous plastics products -----	-	16	8	0.6	6.5	0.5	0.9	4.2	13.5	12.6	25.7	0.7	(NA)	(NA)
3079	Miscellaneous plastics products -----	-	16	8	0.6	6.5	0.5	0.9	4.2	13.5	12.6	25.7	0.7	(NA)	(NA)
32	Stone, clay, and glass products -----	-	10	5	1.6	22.8	1.0	1.7	12.8	44.5	20.9	69.7	0.5	(NA)	(NA)
34	Fabricated metal products ---	-	13	7	1.7	25.2	1.2	2.6	16.7	39.1	40.6	78.1	8.5	0.5	5.7
38	Instruments and related products -----	-	8	5	0.7	7.8	0.3	0.7	2.8	16.5	8.9	24.6	1.0	0.5	6.1
--	Administrative and auxiliary --	-	6	4	0.8	16.5	-	-	-	-	-	-	-	(NA)	(NA)
	Elk Grove Village -----	-	436	168	15.0	216.8	10.6	22.2	130.3	465.8	494.7	947.0	29.8	11.8	257.7
26	Paper and allied products ---	-	12	9	0.9	12.9	0.7	1.6	8.7	27.2	38.2	65.1	2.0	0.6	11.7
265	Paperboard containers and boxes -----	-	6	5	0.7	10.1	0.6	1.3	7.1	19.9	27.4	47.2	(D)	(NA)	(NA)
275	Commercial printing -----	-	31	12	1.3	25.6	1.0	2.0	17.9	48.3	45.2	92.8	4.5	(NA)	(NA)
28	Chemicals and allied products -----	E1	24	10	0.6	9.0	0.4	0.7	4.2	24.2	34.8	58.6	1.7	(NA)	(NA)
33	Primary metal industries -----	-	9	4	0.6	8.0	0.5	1.0	5.9	15.1	30.2	45.7	1.5	(NA)	(NA)
34	Fabricated metal products ---	-	65	31	2.8	43.9	2.1	4.7	28.6	92.2	83.4	173.1	4.2	1.8	37.0
345	Screw machine products, bolts, etc. -----	-	21	9	1.2	19.5	0.9	2.0	13.2	38.3	32.4	69.5	1.8	(NA)	(NA)
3452	Bolts, nuts, rivets, and washers -----	E1	10	5	0.6	10.8	0.4	1.1	6.6	23.9	24.3	47.7	1.0	(NA)	(NA)
349	Miscellaneous fabricated metal products -----	-	16	8	0.6	9.0	0.5	0.9	5.7	16.1	11.0	26.6	0.5	(NA)	(NA)
35	Machinery, except electrical --	-	126	30	2.5	37.9	1.7	3.5	22.3	79.1	49.6	123.5	3.8	1.4	32.1
354	Metalworking machinery ---	E1	56	13	0.8	13.5	0.6	1.3	9.2	27.1	12.1	35.7	2.0	(NA)	(NA)
3544	Special dies, tools, jigs, and fixtures -----	E2	38	7	0.5	7.9	0.4	0.8	5.9	12.5	4.8	17.0	1.0	(NA)	(NA)
36	Electric and electronic equipment -----	-	27	10	1.9	23.9	1.3	2.8	13.3	48.9	41.4	87.3	1.9	2.4	62.1
367	Electronic components and accessories -----	-	14	4	1.1	13.8	0.7	1.6	7.5	23.8	23.0	46.0	0.9	(NA)	(NA)
	Elmhurst -----	-	70	39	2.7	42.7	1.5	2.9	18.5	66.1	40.9	106.3	4.1	2.3	31.4
27	Printing and publishing -----	-	27	11	0.7	10.0	0.5	0.9	5.5	27.8	11.3	38.9	(D)	(NA)	(NA)
	Evanston -----	-	113	45	5.9	85.9	2.8	5.4	27.7	113.6	105.6	222.6	11.2	6.0	118.9
20	Food and kindred products --	-	13	8	0.5	5.8	0.3	0.5	2.4	23.2	24.2	46.7	0.4	0.5	17.4
34	Fabricated metal products ---	-	11	7	0.6	5.7	0.4	0.7	2.4	8.5	6.9	15.6	0.3	(NA)	(NA)
--	Administrative and auxiliary --	-	7	6	1.3	29.1	-	-	-	-	-	-	-	(NA)	(NA)
	Frankfort -----	-	18	9	0.9	12.0	0.7	1.5	8.2	34.9	26.5	61.3	1.9	(NA)	(NA)
	Franklin Park -----	-	331	136	21.1	281.7	14.7	29.8	169.3	666.5	818.1	1 485.1	31.2	19.7	484.7
331	Blast furnace and basic steel products -----	-	7	5	1.5	23.0	1.2	2.5	16.0	52.8	105.4	155.9	2.9	(NA)	(NA)

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Franklin Park—Con.														
342	Cutlery, hand tools, and hardware -----	-	6	4	0.5	6.2	0.4	0.7	3.5	15.8	8.6	23.9	0.3	(NA)	(NA)
344	Fabricated structural metal products -----	-	12	6	0.6	6.7	0.4	0.9	4.4	16.6	48.3	62.9	1.0	(NA)	(NA)
345	Screw machine products, bolts, etc. -----	E1	22	10	0.7	10.1	0.6	1.3	7.3	19.8	15.4	35.4	1.0	(NA)	(NA)
346	Metal forgings and stampings -----	E1	23	11	0.7	10.3	0.5	1.2	7.0	19.3	17.6	36.2	0.6	(NA)	(NA)
349	Miscellaneous fabricated metal products -----	-	19	8	0.8	9.7	0.6	1.1	5.5	18.0	16.9	34.8	0.5	(NA)	(NA)
367	Electronic components and accessories -----	-	8	7	2.5	35.4	2.1	5.6	27.2	72.1	27.6	101.8	3.4	(NA)	(NA)
3679	Electronic components, n.e.c. -----	-	8	7	2.5	35.4	2.1	5.6	27.2	72.1	27.6	101.8	3.4	(NA)	(NA)
-	Administrative and auxiliary --	-	12	7	0.8	12.0	-	-	-	-	-	-	-	(NA)	(NA)
	Freeport-----	-	47	23	8.4	102.1	5.9	11.8	62.7	240.7	185.3	422.1	12.0	9.0	161.9
	Galesburg -----	-	48	23	8.1	108.7	6.4	11.7	80.7	214.6	397.0	628.0	16.7	7.9	150.8
	Geneva -----	-	37	20	2.4	35.5	1.6	3.4	19.6	57.5	48.9	106.0	2.8	3.1	40.0
36	Electric and electronic equipment -----	-	7	4	0.5	7.4	0.4	0.7	4.6	17.2	19.7	36.4	1.1	0.6	6.4
	Genoa -----	-	9	5	1.2	13.1	1.0	2.0	9.5	26.2	27.3	51.5	0.8	1.6	20.1
	Glenview -----	-	31	7	3.2	55.8	0.3	0.5	3.1	81.2	30.0	110.1	(D)	(D)	(D)
	Granite City -----	-	39	18	9.2	165.9	7.4	14.3	117.1	398.9	569.4	963.9	22.9	8.9	246.6
	Grayslake -----	-	20	9	1.0	11.0	0.6	1.3	5.6	15.3	19.5	34.9	0.6	0.9	12.6
35	Machinery, except electrical --	-	8	4	0.5	5.7	0.3	0.5	2.2	6.5	8.9	15.0	0.4	(NA)	(NA)
	Gurnee -----	-	16	9	1.3	16.2	0.9	1.8	10.2	38.3	36.0	72.8	2.8	0.8	15.4
	Harvard -----	-	20	10	1.4	15.1	1.1	1.9	9.2	37.2	85.6	147.4	1.4	(D)	(D)
	Harvey -----	-	43	16	5.7	91.7	4.1	8.5	63.4	182.4	243.5	441.4	8.7	5.7	99.7
	Harwood Heights -----	-	51	31	3.0	37.2	2.1	4.4	21.9	65.0	52.3	118.5	2.8	3.0	50.9
34	Fabricated metal products ---	-	15	10	0.8	10.6	0.6	1.2	7.1	17.9	15.5	33.0	0.8	0.8	14.7
36	Electric and electronic equipment -----	E1	6	3	0.5	5.3	0.3	0.6	2.4	11.0	9.9	20.9	0.4	(NA)	(NA)
	Herrin -----	-	21	10	2.9	29.8	2.3	4.2	21.6	54.9	65.3	116.8	3.4	3.0	41.3
	Highland -----	-	25	13	1.7	17.2	1.1	2.2	10.4	51.6	34.6	86.0	1.7	1.4	26.7
	Highland Park -----	-	43	11	1.1	12.3	0.8	1.6	7.5	17.9	59.7	77.6	1.7	1.1	20.3
	Hillside -----	-	37	13	0.9	13.5	0.7	1.3	8.1	21.2	20.3	41.6	2.3	0.9	16.2
	Hoopeston -----	-	12	9	1.7	18.9	1.4	2.5	13.3	46.8	58.3	104.9	1.3	1.8	32.9
	Itasca -----	-	33	19	1.8	26.4	1.0	2.1	12.1	63.7	72.3	136.1	5.5	0.7	18.1
35	Machinery, except electrical --	-	9	5	0.8	11.9	0.3	0.5	3.5	24.0	25.2	50.3	(D)	(NA)	(NA)
	Joliet -----	-	108	37	6.7	102.9	4.6	8.9	64.1	796.9	1 225.0	2 027.5	28.3	9.5	153.9
20	Food and kindred products --	-	11	4	0.6	8.2	0.3	0.6	3.2	17.5	108.4	129.0	(D)	0.6	9.8
27	Printing and publishing -----	-	22	7	0.5	6.0	0.4	0.6	3.3	18.1	12.4	30.3	0.3	0.8	15.2
34	Fabricated metal products ---	-	9	3	0.8	11.5	0.3	0.6	2.7	19.1	6.5	25.2	(D)	(NA)	(NA)
	Kankakee-----	-	46	24	5.3	78.1	3.4	6.7	48.7	270.6	270.9	534.6	15.5	6.2	218.2
	Kewanee -----	-	24	13	2.1	24.5	1.3	2.2	13.5	46.5	44.1	91.2	1.3	2.1	45.6
	La Grange Park -----	-	6	4	0.6	5.7	0.5	0.9	4.0	12.3	9.3	20.9	(D)	(NA)	(NA)

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

Includes cities with 450 employees or more and industry groups and manufacturing plants with 100 employees or more. For explanation of terms, see appendix B]															1972	
SIC code	City and industry	1977														
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)			
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)							
35	La Grange -----	-	28	10	1.0	11.3	0.7	1.3	6.5	23.8	20.2	43.5	(D)	0.8	13.4	
	Lake Zurich -----	-	20	13	1.5	18.9	1.0	2.0	10.6	60.0	64.5	119.0	2.2	1.4	34.8	
	Lansing -----	-	44	11	1.6	20.4	1.2	2.3	13.0	41.4	73.9	113.9	3.3	1.5	24.2	
	La Salle -----	-	20	10	3.4	41.1	2.6	5.1	27.9	58.2	72.8	129.4	6.4	3.3	37.7	
	Libertyville -----	-	42	16	3.6	51.2	2.3	4.1	30.4	118.0	123.3	245.0	2.8	5.0	79.2	
	Lincoln -----	-	22	9	2.3	26.6	2.0	3.9	21.3	81.9	86.2	167.9	(D)	2.2	94.7	
	Lincolnwood -----	-	56	28	7.2	114.8	3.7	7.6	41.6	129.7	120.0	237.5	5.7	4.0	61.3	
	Litchfield -----	-	24	12	1.5	15.6	1.2	2.3	11.0	40.2	59.6	98.3	1.5	1.0	14.0	
	Lombard -----	-	41	10	0.8	9.4	0.5	1.0	6.2	19.4	16.2	35.3	1.8	0.6	12.5	
	Loves Park -----	-	53	18	2.2	30.6	1.6	3.1	19.0	60.1	47.2	104.8	(D)	(D)	(D)	
	Machinery, except electrical --	-	21	5	1.0	16.5	0.7	1.4	10.7	35.0	15.9	48.5	0.8	(NA)	(NA)	
	Lyons -----	-	41	15	1.3	16.9	0.9	2.0	9.2	49.6	75.8	106.9	2.0	1.3	25.1	
	McHenry -----	-	35	6	1.0	11.4	0.7	1.5	7.2	25.8	20.0	44.8	1.5	1.3	21.0	
	Macomb -----	-	20	7	1.8	19.4	1.5	3.1	16.0	46.0	27.6	71.5	2.3	1.1	14.1	
34	Madison -----	-	9	4	0.9	13.5	0.7	1.3	10.1	5.1	78.0	80.7	(D)	0.6	10.8	
	Marengo -----	-	13	7	1.6	20.4	1.2	2.5	13.8	48.4	37.4	84.4	2.1	1.2	24.9	
	Fabricated metal products ---	-	8	5	1.4	17.8	1.1	2.4	13.1	46.7	35.7	81.0	(D)	(NA)	(NA)	
	Marshall -----	-	10	3	0.7	4.8	0.6	1.0	2.8	13.2	9.1	21.5	0.2	(NA)	(NA)	
	Mattoon -----	-	31	15	3.8	43.8	3.0	6.1	31.0	118.6	91.2	208.0	6.9	3.9	82.1	
	Maywood -----	-	41	11	0.9	11.5	0.5	1.0	5.9	17.0	23.8	40.5	2.6	1.9	29.1	
	Melrose Park -----	-	130	70	12.1	185.6	8.0	16.0	115.3	412.7	449.5	876.0	20.1	16.1	267.8	
	Mendota -----	-	14	6	1.6	19.6	1.2	2.4	12.3	36.8	52.8	87.3	2.5	1.1	18.9	
	Milan -----	-	21	8	0.6	7.1	0.4	0.8	4.2	20.7	75.4	96.2	1.1	(D)	(D)	
	Moline -----	-	65	28	6.3	108.6	4.6	8.8	71.8	220.3	211.1	451.8	11.8	6.8	142.8	
	Monmouth -----	-	21	6	1.2	13.5	1.0	1.8	10.2	20.7	114.0	134.4	(D)	(D)	(D)	
	Morris -----	-	25	18	1.9	30.1	1.2	2.6	17.9	70.0	184.9	251.1	(D)	1.9	42.0	
	Morton Grove -----	-	57	24	8.5	132.6	4.0	7.4	49.2	488.5	194.2	676.3	9.4	6.2	280.1	
	Morton -----	-	20	9	0.7	10.1	0.6	1.2	6.8	29.6	29.0	58.8	1.4	0.7	13.3	
26	Mount Carmel -----	-	13	5	1.3	15.9	1.1	2.1	12.7	51.6	18.4	70.7	(D)	1.0	30.0	
	Mount Prospect -----	-	48	18	3.9	57.6	1.9	4.1	25.3	151.0	109.8	264.8	14.8	2.8	91.3	
	Mundelein -----	-	53	25	3.8	49.9	2.6	5.3	28.8	100.7	119.9	217.1	4.2	2.4	46.1	
	Paper and allied products ---	-	4	4	0.5	6.4	0.3	0.7	4.0	12.5	16.4	28.8	(D)	(NA)	(NA)	
	Machinery, except electrical --	-	12	3	0.6	9.2	0.2	0.5	3.4	15.9	10.3	26.4	0.5	(NA)	(NA)	
	Newton -----	-	12	4	0.6	3.9	0.5	0.9	3.0	9.2	6.4	15.0	9.1	(NA)	(NA)	
	Niles -----	-	103	51	12.1	176.7	7.2	13.9	83.3	340.0	275.2	612.8	11.8	11.3	217.6	
	Measuring and controlling devices -----	-	3	3	0.6	6.8	0.3	0.6	2.9	15.5	10.0	24.6	0.4	(NA)	(NA)	
	Administrative and auxiliary --	-	9	9	1.0	17.8	-	-	-	-	-	-	-	(NA)	(NA)	

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry	E ¹	1977											1972	
			All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
-	Norridge -----	-	19	11	0.9	9.6	0.7	1.5	6.6	18.2	20.7	39.5	1.6	0.8	12.8
	North Aurora -----	-	19	7	0.9	13.1	0.6	1.3	8.2	35.1	101.4	134.5	0.8	1.2	25.1
	Northbrook -----	-	110	43	5.5	73.7	3.2	6.5	36.8	172.6	161.7	328.7	14.7	3.2	68.2
	North Chicago -----	-	34	15	10.3	168.8	3.5	6.8	45.6	446.3	170.8	611.6	13.2	8.2	241.2
	Northfield -----	-	28	10	1.0	16.8	0.5	1.1	6.2	31.2	35.6	65.9	1.8	1.0	24.8
	Northlake -----	-	28	13	10.5	143.1	5.9	11.2	66.0	269.8	436.8	687.0	11.8	12.3	191.0
	Oak Brook -----	-	55	26	6.1	99.3	2.4	4.9	18.9	45.4	78.7	121.1	2.7	1.7	17.4
	Administrative and auxiliary --	-	27	19	2.9	62.5	-	-	-	-	-	-	-	(NA)	(NA)
	Oak Lawn -----	-	34	6	0.6	8.0	0.5	1.0	5.4	17.4	14.7	32.1	0.8	0.7	10.3
	Oregon -----	-	17	9	0.8	9.0	0.6	1.2	6.0	24.9	24.5	47.8	0.9	0.7	11.6
	Ottawa -----	-	29	10	2.8	51.2	2.4	5.1	43.7	105.3	80.5	184.7	(D)	3.1	92.4
	Palatine -----	-	65	26	2.5	32.9	1.6	2.9	17.4	61.6	74.7	133.8	7.2	1.2	22.2
	Paris -----	-	18	8	1.8	16.3	1.5	2.9	12.4	33.3	74.4	107.8	1.2	(D)	(D)
	Park Ridge -----	-	43	7	0.6	11.2	0.1	0.3	1.4	8.8	8.8	17.6	0.2	0.5	5.2
	Pekin -----	-	24	6	1.7	26.5	1.1	2.2	18.1	49.8	90.8	141.6	(D)	2.0	33.8
	Peoria -----	-	162	62	21.3	420.1	6.8	13.0	105.9	365.4	781.5	1 141.1	22.4	14.2	201.1
	20	Food and kindred products --	-	14	11	1.9	31.3	1.2	2.2	19.6	81.7	157.4	238.3	2.7	(NA)	(NA)
27	Printing and publishing -----	-	52	12	2.0	29.3	1.1	2.2	15.8	56.8	35.4	92.2	(D)	1.8	37.0
	Peru -----	-	16	9	0.8	12.1	0.6	1.2	8.4	46.8	65.8	108.8	3.2	0.7	21.6
	Plainfield -----	-	23	11	1.1	16.4	0.9	1.8	10.5	36.9	35.2	71.6	2.0	0.9	24.2
	Plano -----	-	17	8	0.8	8.9	0.7	1.5	6.6	19.3	16.3	34.5	1.5	0.9	12.5
	Pontiac -----	-	20	8	1.8	19.7	1.5	2.8	15.1	47.4	36.3	83.4	1.9	2.4	32.7
27	Printing and publishing -----	E3	6	3	0.8	8.7	0.6	1.2	6.8	16.8	9.4	26.2	(D)	0.6	8.8
	Princeton -----	-	13	5	1.3	14.0	1.1	1.9	10.6	39.7	26.0	64.5	(D)	(D)	(D)
	River Grove -----	-	36	11	0.9	10.0	0.7	1.3	7.0	19.4	19.9	40.7	0.6	1.5	22.5
	Rochelle -----	-	23	15	2.8	37.6	2.1	4.4	26.7	84.5	255.5	337.5	4.2	3.5	58.2
	Rock Falls -----	-	20	9	0.8	11.0	0.6	1.2	7.4	23.5	27.8	50.9	1.1	0.7	14.9
34	Fabricated metal products ---	-	8	5	0.6	8.6	0.5	0.8	5.8	19.4	19.6	38.7	(D)	(NA)	(NA)
	Rockford -----	-	466	165	32.9	474.0	21.8	45.1	280.9	940.5	741.4	1 658.6	61.7	36.2	667.7
20	Food and kindred products --	-	13	8	1.2	17.1	0.8	1.6	10.1	70.9	94.2	164.0	3.5	1.5	40.6
33	Primary metal industries -----	-	15	8	0.9	10.1	0.7	1.2	6.4	13.6	33.7	47.0	1.5	0.9	14.7
34	Fabricated metal products ---	-	94	43	11.6	164.7	8.6	17.5	111.8	320.5	236.7	556.2	25.7	13.1	230.2
342	Cutlery, hand tools, and hardware -----	-	12	8	4.4	58.8	3.0	5.6	35.4	119.4	75.2	195.8	13.4	(NA)	(NA)
345	Screw machine products, bolts, etc. -----	-	31	18	4.9	71.1	3.7	8.2	53.2	128.7	108.6	235.1	9.4	(NA)	(NA)
349	Miscellaneous fabricated metal products -----	-	20	7	0.7	8.0	0.5	1.0	5.3	19.6	12.2	32.1	(D)	(NA)	(NA)
35	Machinery, except electrical --	-	203	61	9.9	150.0	6.8	14.3	90.0	296.0	170.8	452.0	14.3	9.7	180.4

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

Includes cities with 450 employees or more and factory groups and industry groups with 100 employees or more. For a complete explanation of terms, see appendix B)															
SIC code	City and industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
35	Rockford—Con.														
	Machinery, except electrical—Con.													(NA)	(NA)
354	Metalworking machinery ---	-	69	33	5.5	87.3	3.7	8.1	49.8	163.3	95.6	246.5	7.9	(NA)	(NA)
3542	Machine tools, metal forming types ---	-	9	5	1.0	15.3	0.7	1.5	8.8	38.2	25.5	63.9	1.1	(NA)	(NA)
3544	Special dies, tools, jigs, and fixtures ---	E3	35	13	0.5	8.3	0.4	1.0	6.3	12.0	4.7	16.6	0.8	(NA)	(NA)
356	General industrial machinery ---	-	23	8	2.1	32.7	1.5	3.1	22.2	64.7	38.3	102.0	(D)	(NA)	(NA)
359	Miscellaneous machinery, except electrical ---	E2	91	11	0.8	9.8	0.6	1.1	6.6	15.6	8.0	23.0	1.0	(NA)	(NA)
3599	Machinery, except electrical, n.e.c. ---	E2	91	11	0.8	9.8	0.6	1.1	6.6	15.6	8.0	23.0	1.0	(NA)	(NA)
	Rock Island ---	-	69	28	7.3	109.3	5.5	10.1	76.2	241.2	548.5	786.3	(D)	7.2	115.9
	Rolling Meadows ---	-	42	23	4.7	78.3	1.3	2.8	14.2	77.3	49.0	123.4	6.7	3.6	25.3
36	Electric and electronic equipment ---	-	6	4	1.5	20.3	0.5	1.2	4.5	41.6	22.7	63.5	(D)	0.5	8.6
	Rosemont ---	-	81	22	1.5	20.5	1.0	2.3	12.6	41.0	38.9	80.0	3.7	3.6	57.4
	Salem ---	-	12	8	1.1	12.8	0.8	1.6	9.3	32.5	18.8	49.9	(D)	0.9	16.8
	Sandwich ---	-	12	6	0.9	8.4	0.8	1.4	6.0	14.0	13.9	28.3	0.6	0.7	7.6
	Schaumburg ---	-	122	26	9.5	135.1	4.1	8.7	46.0	234.5	139.2	376.0	8.3	(D)	(D)
35	Machinery, except electrical --	E1	37	6	0.5	7.9	0.4	0.8	5.1	16.7	10.1	26.0	1.2	(NA)	(NA)
--	Administrative and auxiliary --	-	6	5	2.6	46.1	-	-	-	-	-	-	-	(NA)	(NA)
	Schiller Park ---	-	120	70	5.9	81.3	4.3	8.3	49.4	194.1	177.3	363.3	11.0	5.3	95.3
30	Rubber and miscellaneous plastics products ---	-	6	4	0.6	8.1	0.5	1.0	5.7	12.1	9.6	21.6	1.3	(NA)	(NA)
34	Fabricated metal products ---	-	30	22	1.4	19.4	1.1	2.2	12.6	46.2	32.1	78.5	4.1	1.3	22.8
35	Machinery, except electrical --	E2	31	17	1.2	18.2	0.9	1.8	12.2	35.8	27.7	63.0	1.4	1.1	20.0
354	Metalworking machinery ---	E3	17	9	0.6	10.4	0.4	0.9	6.8	19.9	12.1	31.2	0.3	(NA)	(NA)
36	Electric and electronic equipment ---	E2	8	5	0.5	5.8	0.4	0.6	3.4	41.5	56.0	90.2	1.2	(NA)	(NA)
	Skokie ---	-	284	101	20.4	311.8	10.2	19.8	124.5	625.4	471.4	1 076.9	30.6	24.2	368.6
20	Food and kindred products --	-	10	3	0.5	5.6	0.4	0.8	3.4	11.5	19.9	31.4	(D)	0.5	6.1
27	Printing and publishing ---	-	47	13	1.8	28.9	0.7	1.3	8.9	41.3	23.7	62.3	1.3	1.2	31.2
275	Commercial printing ---	-	23	4	1.1	17.8	0.3	0.6	3.9	15.8	10.8	24.1	0.9	(NA)	(NA)
28	Chemicals and allied products ---	-	21	9	2.5	42.1	0.7	1.1	7.0	69.5	25.3	92.6	6.3	2.2	37.2
33	Primary metal industries ---	-	10	7	1.1	15.4	0.8	1.8	11.1	51.1	29.3	80.4	1.4	1.0	19.5
34	Fabricated metal products ---	E1	32	16	1.4	17.3	0.9	1.8	10.5	47.4	40.2	86.8	2.8	1.1	18.5
349	Miscellaneous fabricated metal products ---	E2	7	5	0.5	5.5	0.3	0.6	2.4	15.4	16.5	32.2	0.5	(NA)	(NA)
35	Machinery, except electrical --	-	70	17	2.2	30.8	1.3	2.8	16.7	61.0	44.8	104.9	2.5	1.8	33.2
354	Metalworking machinery ---	-	27	7	1.0	14.9	0.7	1.5	9.4	24.9	18.2	41.6	1.5	(NA)	(NA)
38	Instruments and related products ---	-	16	7	2.2	29.1	1.3	2.4	14.0	116.1	34.8	150.0	1.3	6.4	85.0
--	Administrative and auxiliary --	-	11	7	2.2	41.1	-	-	-	-	-	-	-	(NA)	(NA)
	South Beloit ---	-	33	12	2.4	33.8	1.7	3.3	20.0	81.7	51.5	131.1	4.1	2.7	51.4
	South Chicago Heights ---	-	17	6	0.5	5.5	0.4	0.7	3.2	13.4	15.1	28.4	0.9	0.6	15.7
	South Elgin ---	-	16	9	0.9	12.6	0.8	1.7	9.7	23.5	22.6	46.7	1.6	0.7	11.3

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
20	South Holland -----	-	55	19	1.3	16.9	0.9	1.8	10.2	43.4	62.2	103.7	2.6	1.0	17.9
	Springfield -----	-	91	29	7.5	102.9	5.0	8.9	62.2	250.3	294.2	536.6	(D)	10.2	210.1
	Food and kindred products --	-	14	6	0.9	12.8	0.6	1.3	9.7	57.1	127.5	184.1	2.6	1.2	36.3
	Sterling -----	-	19	8	5.6	107.6	4.5	8.3	80.7	213.0	170.8	397.4	10.8	5.6	161.7
	Streamwood -----	-	17	5	0.7	7.8	0.5	1.1	5.4	19.0	17.6	36.0	2.6	0.6	11.4
	Streator -----	-	28	13	3.8	52.3	3.3	6.1	42.6	105.6	75.1	184.5	6.9	4.6	76.8
	Sycamore -----	-	21	12	2.3	32.3	1.4	2.6	15.9	48.7	117.3	161.7	2.5	2.1	34.5
	Taylorville -----	-	17	10	1.3	15.6	1.0	1.8	9.9	41.1	68.4	110.1	1.7	1.2	20.3
	Villa Park -----	-	104	19	1.4	18.4	1.1	2.4	11.4	46.4	35.0	78.4	2.8	0.9	19.9
	Watseka -----	-	19	9	1.3	13.9	1.0	1.9	10.0	37.6	36.3	73.6	(D)	(D)	(D)
27	Waukegan -----	-	89	34	10.1	170.9	6.6	11.9	98.3	281.4	348.6	600.3	19.8	10.1	182.6
	Printing and publishing -----	-	16	4	1.1	10.5	0.4	0.6	4.5	17.0	9.5	26.7	0.6	0.8	13.2
	West Chicago -----	-	48	14	2.0	28.6	1.5	3.2	19.1	82.3	108.9	189.0	8.9	0.5	9.3
20	Food and kindred products --	-	5	3	1.1	17.7	0.8	1.9	12.7	55.6	76.9	132.0	(D)	(NA)	(NA)
	West Frankfort -----	-	12	4	0.5	4.2	0.4	0.7	3.1	9.5	12.3	21.0	0.2	(NA)	(NA)
27	Wheaton -----	-	42	8	1.2	15.5	0.7	1.3	6.7	30.8	23.7	54.5	1.0	1.0	26.9
	Printing and publishing -----	-	13	3	0.5	6.4	0.1	0.2	1.0	15.9	10.2	26.0	(D)	0.6	20.8
	Wheeling -----	-	106	43	4.3	53.2	3.1	6.2	31.4	125.1	108.5	231.4	5.6	3.0	62.7
27	Printing and publishing -----	-	12	5	0.9	11.3	0.7	1.3	6.9	24.8	14.1	38.7	1.0	(NA)	(NA)
35	Machinery, except electrical --	-	23	13	1.0	12.5	0.8	1.5	8.2	36.5	21.9	58.0	1.4	(NA)	(NA)
	Wilmette -----	-	24	3	0.6	9.2	0.2	0.4	2.3	12.1	6.0	17.9	1.1	(D)	(D)
	Wilmington -----	-	6	4	0.8	10.1	0.5	1.3	6.7	54.0	36.1	88.5	4.5	(D)	(D)
	Wood Dale -----	-	31	9	0.6	6.9	0.4	0.9	3.4	9.5	7.2	16.6	0.6	(NA)	(NA)
	Woodstock -----	-	57	17	2.3	25.5	1.9	3.4	18.2	46.0	52.3	100.3	3.7	1.9	29.6
	Zion -----	-	17	9	0.6	7.2	0.4	0.8	4.1	22.3	17.0	39.2	0.9	0.5	4.5

Note: "City" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
ILLINOIS	19517	1270	2	72	568	589	451	466	3232	858	126	811	109	842	583	2647	3480	1080	300	484	842	705
1 TO 4 EMPLOYEES	6388	346	1	22	212	255	135	66	1558	264	36	202	34	263	108	671	1238	276	88	154	345	114
5 TO 9 EMPLOYEES	2787	146	-	8	65	87	72	37	469	108	24	97	15	140	63	372	640	126	32	86	117	83
10 TO 19 EMPLOYEES	2901	179	-	8	72	90	69	65	437	128	15	115	13	152	85	456	566	121	40	59	125	99
20 TO 49 EMPLOYEES	3266	205	-	18	92	97	77	112	402	166	18	166	14	160	116	583	515	184	39	62	116	131
50 TO 99 EMPLOYEES	1743	160	-	6	59	32	40	62	178	79	11	114	12	70	78	267	214	138	28	46	60	89
100 TO 249 EMPLOYEES	1466	140	-	3	51	22	34	98	123	66	10	79	15	28	81	192	166	126	35	37	49	108
250 TO 499 EMPLOYEES	523	53	1	3	13	4	17	19	42	31	4	27	5	18	20	64	74	38	15	16	21	38
500 TO 999 EMPLOYEES	271	29	-	1	3	1	6	6	14	12	7	6	-	6	16	30	35	41	11	16	5	26
1000 TO 2499 EMPLOYEES	121	10	-	-	3	1	1	1	3	1	-	4	1	5	7	10	19	20	8	6	4	14
2500 EMPLOYEES AND OVER	51	2	-	-	1	-	-	-	3	1	-	1	-	9	2	13	10	4	4	2	-	3
ADAMS COUNTY	87	13	-	-	2	1	4	7	13	5	-	1	-	6	2	3	20	4	1	1	2	2
1 TO 19 EMPLOYEES	49	7	-	-	2	1	1	3	10	3	-	-	-	5	2	1	8	2	-	1	2	1
20 TO 99 EMPLOYEES	22	2	-	-	-	-	-	-	2	2	-	1	-	1	-	1	9	1	-	-	-	-
100 TO 249 EMPLOYEES	9	3	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	7	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	1	-	-	1
ALEXANDER COUNTY	22	3	-	-	1	3	-	-	4	2	-	1	-	-	1	1	4	-	1	-	1	-
1 TO 19 EMPLOYEES	16	2	-	-	-	2	-	-	4	1	-	-	-	-	-	1	3	-	1	-	-	-
20 TO 99 EMPLOYEES	4	1	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	1	1	-	1	1
BOND COUNTY	17	2	-	-	2	3	-	-	2	-	-	-	-	1	-	2	1	1	1	-	1	1
1 TO 19 EMPLOYEES	11	1	-	-	1	3	-	-	2	-	-	-	-	1	-	-	1	1	-	-	-	-
20 TO 99 EMPLOYEES	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
BOONE COUNTY	40	5	-	-	1	1	-	1	3	-	-	5	-	3	1	9	9	-	1	-	1	-
1 TO 19 EMPLOYEES	22	2	-	-	-	1	-	-	2	-	-	2	-	3	-	6	6	-	-	-	-	-
20 TO 99 EMPLOYEES	10	1	-	-	1	1	-	1	1	-	-	3	-	-	-	1	2	-	-	-	-	-
100 TO 249 EMPLOYEES	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BROWN COUNTY	4	1	-	-	-	-	-	-	1	-	-	-	-	-	2	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BUREAU COUNTY	56	8	-	1	1	2	-	-	12	3	1	2	-	5	1	6	7	2	2	1	1	1
1 TO 19 EMPLOYEES	39	6	-	1	1	1	-	-	11	2	1	1	-	4	1	2	5	2	1	1	-	-
20 TO 99 EMPLOYEES	10	1	-	-	-	-	-	-	-	1	-	1	-	1	1	1	1	-	-	-	-	-
100 TO 249 EMPLOYEES	5	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
CALHOUN COUNTY	4	3	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	4	3	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
CARROLL COUNTY	23	4	-	-	2	2	-	-	2	1	-	1	-	2	2	3	4	1	-	-	-	1
1 TO 19 EMPLOYEES	14	3	-	-	2	1	-	-	2	1	-	1	-	1	-	1	1	1	-	-	-	1
20 TO 99 EMPLOYEES	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CASS COUNTY	22	4	-	-	1	5	-	1	4	-	-	-	1	3	3	2	1	-	-	-	-	-
1 TO 19 EMPLOYEES	15	2	-	-	1	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHAMPAIGN COUNTY	143	16	-	1	3	1	5	1	45	4	1	6	-	11	2	5	14	10	3	7	6	2
1 TO 19 EMPLOYEES	101	5	-	1	2	3	4	1	36	3	1	3	-	8	1	4	12	8	1	6	4	1
20 TO 99 EMPLOYEES	26	7	-	-	-	-	-	-	6	1	-	3	-	3	-	1	1	2	1	1	1	1
100 TO 249 EMPLOYEES	11	2	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	5	2	-	-	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
CHRISTIAN COUNTY	36	6	-	-	-	-	-	-	1	1	-	2	-	3	1	6	8	2	-	-	-	-
1 TO 19 EMPLOYEES	18	4	-	-	-	-	-	-	3	1	-	1	-	3	-	2	6	1	-	-	-	-
20 TO 99 EMPLOYEES	10	1	-	-	-	-	-	-	2	1	-	1	-	-	-	1	1	1	-	-	-	-
100 TO 249 EMPLOYEES	7	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B)

State, county, and employee size class ^a	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
CLARK COUNTY	22	2	-	-	-	1	-	2	3	1	-	2	-	2	1	1	3	4	-	-	-	-
1 TO 19 EMPLOYEES	14	2	-	-	-	1	-	2	3	-	-	2	-	2	1	1	3	4	-	-	-	-
20 TO 99 EMPLOYEES	4	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	3	1	-	-	-	-
100 TO 249 EMPLOYEES	3	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	2	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
CLAY COUNTY	24	2	-	-	1	6	-	-	4	1	-	1	1	1	1	3	2	1	1	-	-	-
1 TO 19 EMPLOYEES	18	1	-	1	6	-	-	-	4	1	-	1	1	1	-	2	2	1	-	-	-	-
20 TO 99 EMPLOYEES	5	1	-	-	-	-	-	-	-	1	-	-	-	-	1	1	1	1	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLINTON COUNTY	34	4	-	-	2	9	-	-	3	-	1	1	1	7	2	1	3	-	-	-	1	-
1 TO 19 EMPLOYEES	23	4	-	-	2	7	-	-	3	-	-	-	-	4	1	-	3	-	-	-	-	-
20 TO 99 EMPLOYEES	9	-	-	2	2	2	-	-	-	-	-	-	-	3	1	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-
250 EMPLOYEES AND OVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLES COUNTY	57	6	-	-	2	4	-	1	10	-	2	1	1	6	2	3	8	1	1	1	7	1
1 TO 19 EMPLOYEES	29	3	-	-	1	2	-	1	7	-	-	-	-	4	2	-	4	-	-	-	6	1
20 TO 99 EMPLOYEES	10	2	-	-	1	2	-	-	-	-	2	-	-	1	2	1	4	-	-	-	1	-
100 TO 249 EMPLOYEES	11	1	-	-	1	2	-	-	1	-	-	-	-	-	-	2	2	-	-	1	-	-
250 EMPLOYEES AND OVER	7	-	-	-	-	-	-	-	2	-	-	1	-	-	-	-	-	1	-	-	-	-
COOK COUNTY	11303	623	1	46	405	234	289	296	1943	514	70	463	79	270	327	1706	1857	653	335	335	548	488
1 TO 19 EMPLOYEES	6931	313	23	270	173	178	112	1465	303	38	242	53	53	157	146	960	1313	323	86	204	367	205
20 TO 99 EMPLOYEES	3019	180	19	100	49	77	108	371	148	23	154	17	17	95	114	570	405	195	39	77	125	153
100 TO 249 EMPLOYEES	846	78	4	24	8	20	60	74	40	7	52	8	8	11	38	115	82	170	18	29	35	73
250 EMPLOYEES AND OVER	507	52	1	11	11	4	14	16	53	23	2	15	1	7	29	61	57	65	13	25	21	57
CRAWFORD COUNTY	32	5	-	-	1	5	-	-	3	-	3	-	1	4	1	2	2	5	-	-	-	-
1 TO 19 EMPLOYEES	16	4	-	-	1	4	-	-	2	-	1	-	-	2	1	-	1	-	-	-	-	-
20 TO 99 EMPLOYEES	10	-	-	-	1	1	-	-	1	-	1	-	-	-	-	1	1	5	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	4	1	-	-	-	-	-	-	-	-	1	-	-	2	-	-	-	-	-	-	-	-
CUMBERLAND COUNTY	11	-	-	-	1	-	-	1	2	-	1	-	2	1	-	-	1	-	-	-	2	-
1 TO 19 EMPLOYEES	1	-	-	-	-	-	-	1	2	-	-	-	-	1	-	-	-	-	-	-	1	-
20 TO 99 EMPLOYEES	3	-	-	-	1	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DE KALB COUNTY	103	8	-	4	4	4	5	2	18	3	-	4	-	5	7	10	17	7	1	2	2	4
1 TO 19 EMPLOYEES	55	5	-	1	3	3	2	1	14	2	-	2	-	3	1	4	11	2	1	1	1	1
20 TO 99 EMPLOYEES	30	2	-	3	1	1	3	1	3	1	-	1	-	2	3	4	4	1	-	-	-	1
100 TO 249 EMPLOYEES	10	1	-	-	-	-	-	-	1	-	-	-	-	-	1	1	1	1	-	-	-	2
250 EMPLOYEES AND OVER	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	3	-	1	-	-
DE WITT COUNTY	23	1	-	-	-	1	2	-	6	1	-	1	-	3	1	2	1	1	2	-	1	-
1 TO 19 EMPLOYEES	16	1	-	-	-	1	2	-	5	1	-	1	-	3	-	1	1	1	2	-	1	-
20 TO 99 EMPLOYEES	3	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-
100 TO 249 EMPLOYEES	3	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	1	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
DOUGLAS COUNTY	32	-	-	2	-	7	-	-	7	2	-	2	-	3	-	1	2	1	2	-	3	-
1 TO 19 EMPLOYEES	24	-	-	1	-	7	-	-	7	-	-	-	-	3	-	1	1	1	2	-	1	-
20 TO 99 EMPLOYEES	4	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-
100 TO 249 EMPLOYEES	3	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
DU PAGE COUNTY	1340	32	1	3	5	23	25	33	215	50	8	88	2	42	37	193	303	105	16	43	49	67
1 TO 19 EMPLOYEES	879	18	1	3	4	15	16	14	152	38	8	50	-	23	22	121	232	59	9	26	44	24
20 TO 99 EMPLOYEES	348	4	-	-	1	7	6	14	50	11	-	25	2	18	10	65	56	28	6	12	5	28
100 TO 249 EMPLOYEES	78	6	-	-	-	1	2	4	10	1	-	9	-	1	5	12	14	14	-	2	-	9
250 EMPLOYEES AND OVER	35	4	-	-	-	1	1	1	3	3	-	4	-	-	-	2	3	4	1	3	-	-
EDGAR COUNTY	27	3	-	-	-	2	5	-	5	3	-	2	-	3	-	3	3	1	2	-	-	-
1 TO 19 EMPLOYEES	18	2	-	-	-	2	1	-	1	3	-	2	-	3	-	2	3	-	-	-	-	-
20 TO 99 EMPLOYEES	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	5	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
EDWARDS COUNTY	13	-	-	-	1	-	-	-	4	1	-	1	-	1	-	-	2	1	2	-	-	-
1 TO 19 EMPLOYEES	9	-	-	-	-	-	-	-	4	1	-	1	-	1	-	-	2	1	2	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	4	1	-	1	-	-	-	-	-	1	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
EFFINGHAM COUNTY	30	3	-	-	2	6	1	-	12	2	1	-	1	-	-	-	6	1	2	-	-	1
1 TO 19 EMPLOYEES	24	2	-	-	1	4	1	-	7	2	-	-	-	-	-	-	5	-	2	-	-	-
20 TO 99 EMPLOYEES	8	1	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	4	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FAYETTE COUNTY	25	2	-	1	1	6	-	-	5	-	-	1	-	4	-	-	3	-	1	-	1	-
1 TO 19 EMPLOYEES	19	1	-	1	1	6	-	-	4	-	-	-	-	3	-	-	2	-	1	-	-	-
20 TO 99 EMPLOYEES	4	1	-	-	-	-	-	-	1	-	-	1	-	-	-	-	1	-	-	-	1	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FORD COUNTY	23	4	-	-	-	-	1	-	2	1	-	-	1	3	-	2	5	2	1	-	1	-
1 TO 19 EMPLOYEES	12	2	-	-	-	-	-	-	1	-	-	-	-	3	-	2	3	-	1	-	-	-
20 TO 99 EMPLOYEES	9	1	-	-	-	-	1	-	2	-	-	-	1	-	-	-	2	1	-	-	1	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FRANKLIN COUNTY	42	6	-	-	3	5	-	-	5	-	2	2	-	6	-	-	9	1	1	-	-	2
1 TO 19 EMPLOYEES	35	6	-	-	1	4	-	-	3	-	2	2	-	6	-	-	8	1	-	-	-	2
20 TO 99 EMPLOYEES	6	-	-	-	2	1	-	-	2	-	-	-	-	-	-	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FULTON COUNTY	33	4	-	-	1	4	-	-	9	-	-	1	-	5	1	2	4	-	1	-	-	1
1 TO 19 EMPLOYEES	27	4	-	-	1	4	-	-	8	-	-	1	-	5	-	1	3	-	-	-	-	1
20 TO 99 EMPLOYEES	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GALLATIN COUNTY	8	2	-	-	1	3	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES	4	1	-	-	1	2	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
20 TO 99 EMPLOYEES	4	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GREENE COUNTY	18	1	-	-	2	-	-	3	4	2	-	-	-	3	-	2	1	-	-	-	-	-
1 TO 19 EMPLOYEES	14	1	-	-	1	-	-	1	4	1	-	-	-	3	-	2	1	-	-	-	-	-
20 TO 99 EMPLOYEES	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRUNDY COUNTY	42	3	-	-	2	-	1	4	4	9	-	3	-	4	3	-	1	5	-	1	-	2
1 TO 19 EMPLOYEES	15	1	-	-	1	-	1	1	3	2	-	2	-	2	2	-	1	2	-	1	-	2
20 TO 99 EMPLOYEES	19	1	-	-	1	-	-	-	1	6	-	1	-	-	-	-	1	2	-	-	-	-
100 TO 249 EMPLOYEES	6	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HAMILTON COUNTY	9	1	-	-	2	1	1	-	1	-	-	-	-	2	2	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	7	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HANCOCK COUNTY	27	4	-	-	-	3	-	-	6	-	-	-	-	2	2	2	4	1	2	-	3	-
1 TO 19 EMPLOYEES	21	3	-	-	-	2	-	-	5	-	-	-	-	2	-	-	4	1	1	-	2	-
20 TO 99 EMPLOYEES	4	1	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HARDIN COUNTY	3	-	-	-	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HENDERSON COUNTY	5	2	-	-	-	1	1	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HENRY COUNTY	68	15	-	1	1	4	1	1	9	-	-	1	2	6	2	6	16	-	2	-	-	2
1 TO 19 EMPLOYEES	41	9	-	1	1	3	1	1	6	-	-	1	1	6	2	2	10	-	1	-	-	1
20 TO 99 EMPLOYEES	14	4	-	-	-	1	-	-	3	-	-	-	-	-	-	-	2	-	-	-	-	-
100 TO 249 EMPLOYEES	10	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-
250 EMPLOYEES AND OVER	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IROQUOIS COUNTY	52	8	-	-	1	3	-	-	11	1	1	-	-	6	-	3	10	6	1	-	1	-
1 TO 19 EMPLOYEES	34	5	-	-	1	3	-	-	9	1	1	-	-	2	2	1	8	2	2	-	-	1
20 TO 99 EMPLOYEES	15	3	-	-	1	1	-	-	1	-	-	-	-	-	-	-	2	2	1	-	-	1
250 EMPLOYEES AND OVER	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JACKSON COUNTY	44	5	-	-	3	7	-	-	8	1	-	2	1	4	1	3	2	3	1	1	1	-
1 TO 19 EMPLOYEES	35	4	-	-	1	6	-	-	6	-	-	2	1	4	-	3	1	3	-	-	-	-
20 TO 99 EMPLOYEES	3	1	-	-	2	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO ²
JASPER COUNTY.	12	1	1	1	1	1	1	1	3	1	1	1	1	2	1	1	1	1	1	1	1	1
1 TO 19 EMPLOYEES.	8	1	1	1	1	1	1	1	3	1	1	1	1	2	1	1	1	1	1	1	1	1
20 TO 99 EMPLOYEES.	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
100 TO 249 EMPLOYEES.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
250 EMPLOYEES AND OVER.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
JEFFERSON COUNTY.	39	4	4	4	4	4	4	5	5	1	2	1	1	5	1	1	6	4	2	1	5	1
1 TO 19 EMPLOYEES.	24	3	3	3	3	3	3	4	4	1	1	1	1	4	1	1	4	1	1	1	4	1
20 TO 99 EMPLOYEES.	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
100 TO 249 EMPLOYEES.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
250 EMPLOYEES AND OVER.	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
JERSEY COUNTY.	9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1
1 TO 19 EMPLOYEES.	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20 TO 99 EMPLOYEES.	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1
100 TO 249 EMPLOYEES.	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
JO DAVIES COUNTY.	38	10	10	10	10	10	10	9	9	1	1	1	1	3	3	5	2	1	1	1	1	1
1 TO 19 EMPLOYEES.	26	6	6	6	6	6	6	8	8	1	1	1	1	1	1	1	2	1	1	1	1	1
20 TO 99 EMPLOYEES.	8	4	4	4	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
100 TO 249 EMPLOYEES.	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
250 EMPLOYEES AND OVER.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
JOHNSON COUNTY.	9	1	1	1	1	1	1	1	2	1	1	1	1	2	1	1	1	1	1	1	1	1
1 TO 19 EMPLOYEES.	8	1	1	1	1	1	1	1	2	1	1	1	1	2	1	1	1	1	1	1	1	1
20 TO 99 EMPLOYEES.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
KANE COUNTY.	604	21	21	21	21	21	21	21	71	28	5	47	1	37	14	76	123	44	4	15	28	21
1 TO 19 EMPLOYEES.	332	5	5	5	5	5	5	5	53	16	2	22	1	20	10	39	81	27	2	6	17	4
20 TO 99 EMPLOYEES.	188	11	11	11	11	11	11	11	12	9	2	20	1	14	3	29	29	7	1	6	9	9
100 TO 249 EMPLOYEES.	46	4	4	4	4	4	4	4	2	2	1	4	1	2	1	5	3	5	1	1	2	6
250 EMPLOYEES AND OVER.	38	1	1	1	1	1	1	1	2	1	1	1	1	1	1	3	10	5	1	2	2	2
KANKAKEE COUNTY.	115	10	10	10	10	10	10	10	20	9	1	6	1	9	3	14	11	5	3	1	4	4
1 TO 19 EMPLOYEES.	63	5	5	5	5	5	5	5	19	2	1	2	1	5	1	3	8	2	2	1	4	4
20 TO 99 EMPLOYEES.	27	1	1	1	1	1	1	1	1	2	1	3	1	3	1	3	2	1	1	1	1	1
100 TO 249 EMPLOYEES.	13	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1
250 EMPLOYEES AND OVER.	12	2	2	2	2	2	2	2	1	3	1	1	1	1	1	1	1	1	1	1	1	1
KENDALL COUNTY.	44	2	2	2	2	2	2	2	7	1	1	3	1	1	5	7	5	5	1	1	4	1
1 TO 19 EMPLOYEES.	31	2	2	2	2	2	2	2	7	1	1	2	1	1	2	4	4	3	1	1	2	1
20 TO 99 EMPLOYEES.	9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
100 TO 249 EMPLOYEES.	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
250 EMPLOYEES AND OVER.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
KNOX COUNTY.	59	9	9	9	9	9	9	9	10	4	1	3	1	6	2	4	6	3	3	1	1	2
1 TO 19 EMPLOYEES.	34	6	6	6	6	6	6	6	8	2	1	1	1	4	1	2	3	1	1	1	1	1
20 TO 99 EMPLOYEES.	15	3	3	3	3	3	3	3	1	2	1	1	1	1	1	1	2	1	1	1	1	1
100 TO 249 EMPLOYEES.	4	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1
250 EMPLOYEES AND OVER.	6	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1
LAKE COUNTY.	619	25	25	25	25	25	25	25	87	40	1	39	2	28	19	73	123	49	7	22	22	23
1 TO 19 EMPLOYEES.	389	14	14	14	14	14	14	14	66	28	1	18	2	13	8	45	87	24	6	15	20	17
20 TO 99 EMPLOYEES.	153	7	7	7	7	7	7	7	15	7	1	17	1	9	8	21	26	17	1	4	2	8
100 TO 249 EMPLOYEES.	40	2	2	2	2	2	2	2	3	3	1	2	1	2	1	5	4	5	1	2	2	2
250 EMPLOYEES AND OVER.	37	2	2	2	2	2	2	2	3	2	1	2	1	4	1	2	6	3	1	1	6	6
LA SALLE COUNTY.	155	16	16	16	16	16	16	16	23	10	1	2	1	20	7	16	27	5	5	3	7	5
1 TO 19 EMPLOYEES.	89	10	10	10	10	10	10	10	17	4	1	1	1	1	5	10	16	2	1	2	5	4
20 TO 99 EMPLOYEES.	39	5	5	5	5	5	5	5	2	2	1	1	1	2	1	5	6	1	1	2	2	1
100 TO 249 EMPLOYEES.	16	1	1	1	1	1	1	1	2	3	1	1	1	3	1	1	2	2	1	1	1	1
250 EMPLOYEES AND OVER.	11	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	2	1	1	1	1
LAWRENCE COUNTY.	21	1	1	1	1	1	1	1	6	1	1	2	1	2	2	1	1	1	1	1	1	1
1 TO 19 EMPLOYEES.	18	1	1	1	1	1	1	1	6	1	1	1	1	1	1	1	1	1	1	1	1	1
20 TO 99 EMPLOYEES.	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
250 EMPLOYEES AND OVER.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LEE COUNTY.	44	7	7	7	7	7	7	7	6	1	1	1	1	5	1	6	5	3	3	1	3	1
1 TO 19 EMPLOYEES.	20	3	3	3	3	3	3	3	4	1	1	1	1	2	2	1	3	1	1	1	1	1
20 TO 99 EMPLOYEES.	15	3	3	3	3	3	3	3	2	1	1	1	1	1	1	1	2	1	1	1	1	1
100 TO 249 EMPLOYEES.	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
250 EMPLOYEES AND OVER.	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

See footnotes at end of table.

Counties: 1977 – Con.

appendix B)

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See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977—Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tab- lish- ments	Establishments in major industry groups																			38	39	CAO ² b		
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37						
MERCER COUNTY.	14	2	-	-	-	1	-	1	2	-	-	-	-	3	2	1	1	1	-	-	-	-	1	1	-
1 TO 19 EMPLOYEES.	12	2	-	-	-	1	-	1	1	-	-	-	-	3	1	1	1	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONROE COUNTY.	15	3	-	-	-	3	-	-	6	-	-	-	-	2	-	-	-	-	-	-	-	-	1	1	-
1 TO 19 EMPLOYEES.	14	3	-	-	-	3	-	-	5	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTGOMERY COUNTY.	41	6	-	-	2	-	-	-	11	2	-	1	-	6	-	2	4	1	1	2	2	3	3	1	-
1 TO 19 EMPLOYEES.	24	5	-	-	1	-	-	-	9	2	-	-	-	5	-	1	1	1	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	11	1	-	-	-	-	-	-	2	1	-	-	-	1	-	1	3	-	-	-	-	-	1	1	-
100 TO 249 EMPLOYEES.	3	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	1	-	-	-	1	1	-
250 EMPLOYEES AND OVER.	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MORGAN COUNTY.	39	4	-	-	1	1	1	1	9	3	-	-	-	3	-	5	6	2	1	1	1	-	-	1	1
1 TO 19 EMPLOYEES.	26	2	-	-	1	1	1	1	5	2	-	-	-	3	-	5	5	1	1	1	-	-	-	-	-
20 TO 99 EMPLOYEES.	5	1	-	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	4	1	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	4	1	-	-	-	-	-	-	1	1	-	-	-	3	-	1	2	-	-	-	-	-	-	-	-
MOULTRIE COUNTY.	24	6	-	-	1	6	1	1	2	1	-	-	1	3	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	14	4	-	-	1	3	1	1	2	2	-	-	1	3	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	7	1	-	-	1	2	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OGLE COUNTY.	69	9	-	2	-	3	-	-	15	3	1	2	-	10	-	2	14	-	1	1	-	-	4	3	1
1 TO 19 EMPLOYEES.	34	2	-	-	-	2	-	-	8	2	1	1	-	8	-	-	6	-	-	-	-	-	3	1	2
20 TO 99 EMPLOYEES.	17	4	-	-	-	1	-	-	4	1	-	-	-	1	-	-	4	-	-	-	-	-	1	-	-
100 TO 249 EMPLOYEES.	13	2	-	1	-	-	-	-	2	-	-	-	-	1	-	2	3	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	5	1	-	1	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
PEORIA COUNTY.	238	28	-	-	5	9	8	5	58	11	1	5	-	15	10	24	28	4	2	3	3	12	12	10	
1 TO 19 EMPLOYEES.	146	13	-	-	3	7	6	1	46	7	1	2	-	10	6	13	16	1	1	1	2	3	3	1	
20 TO 99 EMPLOYEES.	63	8	-	-	2	1	2	3	9	2	-	3	-	5	1	1	6	3	-	-	-	1	1	1	
100 TO 249 EMPLOYEES.	14	3	-	-	-	1	-	-	3	1	-	-	-	-	2	1	3	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER.	15	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PERRY COUNTY.	31	4	-	-	2	5	1	-	4	-	-	-	-	3	1	3	4	1	2	-	-	1	1	-	
1 TO 19 EMPLOYEES.	19	1	-	-	-	5	1	-	3	-	-	-	-	3	-	2	4	-	-	-	-	-	-	-	
20 TO 99 EMPLOYEES.	4	2	-	-	-	1	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
100 TO 249 EMPLOYEES.	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER.	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PIATT COUNTY.	15	1	-	-	-	-	-	-	4	3	-	2	-	1	1	1	2	-	-	-	-	-	-	-	
1 TO 19 EMPLOYEES.	12	1	-	-	-	-	-	-	-	1	-	-	-	1	1	1	-	-	-	-	-	-	-	-	
20 TO 99 EMPLOYEES.	2	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PIKE COUNTY.	21	7	-	-	2	2	-	-	3	-	-	-	1	1	1	-	2	-	-	-	-	-	-	2	
1 TO 19 EMPLOYEES.	14	4	-	-	2	2	-	-	3	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	
20 TO 99 EMPLOYEES.	6	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
POPE COUNTY.	4	-	-	-	1	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1 TO 19 EMPLOYEES.	3	-	-	-	1	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
20 TO 99 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PULASKI COUNTY.	7	-	-	-	-	1	-	-	2	-	-	-	-	1	1	-	1	-	1	-	-	-	-	-	
1 TO 19 EMPLOYEES.	4	-	-	-	-	1	-	-	2	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	
20 TO 99 EMPLOYEES.	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PUTNAM COUNTY.	7	1	-	-	-	-	-	-	2	1	-	-	-	1	1	-	1	-	-	-	-	-	-	-	
1 TO 19 EMPLOYEES.	4	1	-	-	-	-	-	-	1	1	-	-	-	1	1	-	1	-	-	-	-	-	-	-	
20 TO 99 EMPLOYEES.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RANDOLPH COUNTY.	31	3	-	-	1	4	-	-	7	-	-	1	-	4	2	3	4	1	-	-	-	-	-	1	
1 TO 19 EMPLOYEES.	17	2	-	-	-	4	-	-	6	-	-	1	-	1	1	2	1	-	-	-	-	-	-	1	
20 TO 99 EMPLOYEES.	9	2	-	-	-	-	-	-	-	-	-	-	-	3	1	1	-	-	-	-	-	-	-	-	
100 TO 249 EMPLOYEES.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER.	3	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																			38	39	CAO's
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37				
RICHLAND COUNTY.	25	5	-	-	1	3	1	-	3	-	2	1	1	1	-	2	2	2	-	-	-	1	-
1 TO 19 EMPLOYEES.	17	3	-	-	-	3	1	-	2	-	-	-	-	-	-	1	2	2	-	-	-	-	-
20 TO 99 EMPLOYEES.	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	3	2	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-
250 EMPLOYEES AND OVER.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROCK ISLAND COUNTY.	205	19	-	-	4	10	1	3	23	6	-	6	-	9	8	29	64	6	3	3	6	5	5
1 TO 19 EMPLOYEES.	127	11	-	-	2	5	1	1	19	2	-	4	-	6	4	22	37	2	3	1	6	2	2
20 TO 99 EMPLOYEES.	41	5	-	-	3	3	1	1	3	3	-	1	-	2	1	4	13	4	-	2	-	1	1
100 TO 249 EMPLOYEES.	23	3	-	-	1	2	-	2	2	1	-	-	-	1	2	3	6	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	14	-	-	-	1	-	-	-	1	1	-	1	-	-	-	-	8	-	-	-	-	-	-
ST. CLAIR COUNTY.	196	28	-	-	6	6	1	4	29	17	1	4	1	15	12	17	32	9	2	2	6	4	4
1 TO 19 EMPLOYEES.	120	9	-	-	2	5	1	1	25	9	-	2	-	11	4	8	27	4	2	2	5	3	3
20 TO 99 EMPLOYEES.	48	14	-	-	1	1	-	2	2	6	-	2	-	3	2	6	3	2	-	-	1	1	-
100 TO 249 EMPLOYEES.	20	2	-	-	3	-	-	-	2	1	-	-	1	1	2	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	8	3	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
SALINE COUNTY.	23	2	-	-	6	3	-	-	4	1	-	1	-	2	-	1	2	-	-	1	-	-	-
1 TO 19 EMPLOYEES.	19	2	-	-	5	2	-	-	3	1	-	1	-	2	-	1	2	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	3	-	-	-	1	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SANGAMON COUNTY.	125	16	-	1	2	4	5	-	33	7	1	3	-	13	-	8	13	6	-	5	7	1	1
1 TO 19 EMPLOYEES.	89	10	-	1	2	3	1	-	26	4	1	1	-	10	-	6	8	4	-	3	7	1	-
20 TO 99 EMPLOYEES.	27	5	-	-	1	1	3	-	5	2	-	2	-	3	-	1	3	1	-	-	-	-	-
100 TO 249 EMPLOYEES.	2	2	-	-	-	-	-	-	1	1	-	-	-	-	-	-	2	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	7	1	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
SCHUYLER COUNTY.	8	2	-	-	-	-	-	-	2	1	-	-	-	1	-	-	1	-	-	-	-	1	-
1 TO 19 EMPLOYEES.	6	1	-	-	-	-	-	-	2	1	-	-	-	1	-	-	1	-	-	-	-	1	-
20 TO 99 EMPLOYEES.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SCOTT COUNTY.	4	-	-	-	-	-	-	1	1	-	-	-	-	1	-	-	1	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	3	-	-	-	-	-	-	1	1	-	-	-	-	1	-	-	1	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHELBY COUNTY.	15	1	-	-	-	5	-	-	2	-	-	1	-	1	-	1	2	-	-	-	2	-	-
1 TO 19 EMPLOYEES.	11	1	-	-	-	4	-	-	2	-	-	-	-	1	-	1	-	-	-	-	1	-	-
20 TO 99 EMPLOYEES.	3	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
STARK COUNTY.	9	-	-	-	-	-	-	-	3	1	-	-	-	-	-	1	1	2	-	-	-	-	1
1 TO 19 EMPLOYEES.	5	-	-	-	-	-	-	-	3	1	-	-	-	-	-	-	1	1	-	-	-	-	1
20 TO 99 EMPLOYEES.	3	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	1	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STEPHENSON COUNTY.	68	17	-	-	1	2	1	1	9	2	-	5	-	4	1	6	9	4	1	1	3	3	1
1 TO 19 EMPLOYEES.	41	14	-	-	1	2	1	1	7	1	-	3	-	3	1	2	4	1	1	1	3	3	1
20 TO 99 EMPLOYEES.	18	3	-	-	-	-	-	-	2	-	-	1	-	1	-	-	4	1	-	-	-	-	-
100 TO 249 EMPLOYEES.	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TAZEWELL COUNTY.	109	7	-	-	2	6	3	4	17	1	-	-	-	15	3	9	29	4	3	1	3	2	2
1 TO 19 EMPLOYEES.	78	3	-	-	2	3	2	2	14	1	-	-	-	14	1	2	20	3	1	1	1	1	1
20 TO 99 EMPLOYEES.	27	1	-	-	-	3	1	-	3	-	-	-	-	1	-	-	8	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	15	-	-	-	-	-	-	-	3	1	-	-	1	2	-	-	-	-	-	-	-	-	-
UNION COUNTY.	15	2	-	-	1	1	2	-	3	1	-	-	-	-	-	-	-	1	1	-	-	-	-
1 TO 19 EMPLOYEES.	8	1	-	-	1	1	-	-	3	-	-	-	-	1	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VERMILION COUNTY.	142	19	-	-	6	5	1	2	22	8	1	5	-	9	5	13	24	8	3	1	7	3	3
1 TO 19 EMPLOYEES.	78	10	-	-	1	3	1	2	18	3	1	2	-	8	2	8	14	1	1	1	4	2	2
20 TO 99 EMPLOYEES.	36	4	-	-	5	1	-	-	2	3	1	1	-	1	2	6	5	-	-	-	1	1	1
100 TO 249 EMPLOYEES.	11	2	-	-	-	-	-	-	2	-	-	-	-	-	-	2	2	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	17	3	-	-	-	-	-	-	1	2	-	-	-	-	-	1	4	2	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																		38	39	CAO ^a
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37			
WABASH COUNTY	13	-	-	-	-	1	-	1	2	-	-	-	-	-	-	1	6	2	-	-	-	-
1 TO 19 EMPLOYEES	8	-	-	-	-	1	-	1	1	-	-	-	-	-	-	-	5	1	-	-	-	-
20 TO 99 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WARREN COUNTY	26	5	-	-	1	1	-	1	6	-	-	-	-	2	-	3	2	-	1	-	3	1
1 TO 19 EMPLOYEES	19	3	-	-	-	1	-	1	5	-	-	-	-	1	-	3	2	-	1	-	2	1
20 TO 99 EMPLOYEES	3	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	1	-
100 TO 249 EMPLOYEES	2	1	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WASHINGTON COUNTY	12	2	-	-	-	3	-	1	2	-	-	-	-	1	-	2	1	-	-	-	-	-
1 TO 19 EMPLOYEES	9	2	-	-	-	2	-	1	2	-	-	-	-	1	-	1	-	-	-	-	-	-
20 TO 99 EMPLOYEES	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WAYNE COUNTY	18	1	-	-	2	3	-	-	1	-	-	1	-	4	-	-	2	-	3	-	1	-
1 TO 19 EMPLOYEES	12	1	-	-	-	3	-	-	1	-	-	1	-	4	-	-	1	-	1	-	1	-
20 TO 99 EMPLOYEES	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WHITE COUNTY	18	1	-	-	2	4	-	1	3	-	2	1	-	1	-	-	2	-	-	-	-	-
1 TO 19 EMPLOYEES	14	1	-	-	-	4	-	1	3	-	2	1	-	1	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WHITESIDE COUNTY	70	5	-	-	-	2	2	-	11	1	1	3	-	3	5	16	14	3	-	2	2	-
1 TO 19 EMPLOYEES	41	3	-	-	-	2	1	-	10	1	1	1	-	3	3	4	8	2	-	1	1	-
20 TO 99 EMPLOYEES	16	2	-	-	-	-	-	-	1	-	-	-	-	-	-	1	3	1	-	-	-	-
100 TO 249 EMPLOYEES	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WILL COUNTY	328	25	-	-	4	16	10	11	39	26	7	17	-	26	12	41	53	11	5	2	14	9
1 TO 19 EMPLOYEES	191	17	-	-	2	11	9	2	28	11	2	8	-	13	2	23	39	7	2	1	9	5
20 TO 99 EMPLOYEES	82	4	-	-	1	3	1	2	7	9	1	6	-	11	6	9	12	3	2	1	3	2
100 TO 249 EMPLOYEES	32	4	-	-	1	2	-	-	3	3	1	2	-	1	1	5	1	1	-	-	2	2
250 EMPLOYEES AND OVER	23	-	-	-	-	-	-	2	1	3	4	1	-	-	1	4	1	-	1	-	-	-
WILLIAMSON COUNTY	56	4	-	1	1	4	-	1	6	-	-	2	1	-	7	2	4	9	4	2	-	-
1 TO 19 EMPLOYEES	39	3	-	-	-	4	-	-	5	-	-	2	-	-	6	3	9	1	1	-	-	-
20 TO 99 EMPLOYEES	12	1	-	-	-	-	-	-	1	-	-	1	-	-	1	2	-	2	1	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	4	-	-	1	1	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-
WINNEBAGO COUNTY	683	22	-	4	7	5	13	6	60	14	2	11	1	31	23	134	296	14	12	10	15	3
1 TO 19 EMPLOYEES	440	7	-	2	6	5	9	2	50	5	2	5	1	20	9	80	207	6	6	6	11	1
20 TO 99 EMPLOYEES	162	11	-	1	1	3	3	2	9	6	-	6	-	9	10	38	54	5	3	1	3	1
100 TO 249 EMPLOYEES	40	3	-	1	-	-	1	2	1	2	-	-	-	1	4	5	18	1	1	3	1	-
250 EMPLOYEES AND OVER	41	1	-	-	-	-	-	-	1	1	-	-	-	1	-	11	17	2	3	-	-	-
WOODFORD COUNTY	37	7	-	-	-	1	1	1	6	1	-	-	-	4	-	4	12	-	-	-	-	-
1 TO 19 EMPLOYEES	19	4	-	-	-	1	-	-	6	-	-	-	-	3	-	1	4	-	-	-	-	-
20 TO 99 EMPLOYEES	15	3	-	-	-	-	-	-	1	-	-	-	-	1	-	3	6	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: Data on number of establishments by employment size class by 4-digit SIC industry for States, counties, and selected cities are presented in Location of Manufacturing Plants data series. This series is available only on computer tape (see Introduction).

- Represents zero.

¹Only those counties and size classes that include data for manufacturing establishments are shown.



Indiana

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INDIANA



SUMMARY OF FINDINGS

In 1977, 705.9 thousand persons were employed in Indiana's manufacturing establishments. This figure represented a slight increase from the 1972 figure of 703.9 thousand workers.

The total value added by manufacture for the State amounted to \$22,718 million in 1977, an increase of approximately 61 percent from the 1972 figure of \$14,112 million. All dollar figures in this report are in current dollars and are, therefore, not adjusted for changes in price levels.

In the State, the most important industry groups ranked by employment were electric and electronic equipment; primary metal industries; transportation equipment; and machinery, except electrical. They accounted for approximately 54 percent of the State's 1977 employment. These same industry groups were in the forefront for 1972 when they accounted for approximately 54 percent of the State's employment.

The most important counties in the State ranked by employment were Marion, Lake, Elkhart, and Allen. They accounted for approximately 39 percent of the State's 1977 manufacturing employment. In 1972 these same counties accounted for approximately 40 percent of the State's employment.

The methods of data collection and use of administrative records data are discussed in detail in the Introduction. Small single-unit companies with up to 20 employees (the cutoff varied by industry) were excluded from the mail portion of the census. For these establishments (and a small number of larger establishments whose reports were not received in time to be tabulated), statistics on payrolls and receipts were obtained from administrative records of other government agencies. Other statistics were developed from industry averages. For this State, these establishments accounted for 2 percent of the total value of shipments.

Table 1. Historical Employment Statistics for Operating Manufacturing Establishments and Central Administrative Offices: 1977 and Earlier Years

(For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

State, standard metropolitan statistical area, and year	All establishments		Operating manufacturing establishments		Central administrative offices and auxiliaries ¹	
	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)
Indiana:						
1977.....	705.9	10,438.9	688.5	10,135.3	17.4	303.6
1972.....	703.9	6,881.5	689.7	6,709.0	14.2	172.5
1967.....	710.2	5,023.2	701.3	4,933.2	8.9	90.0
1963.....	609.8	3,794.3	599.8	3,708.5	10.0	85.8
STANDARD CONSOLIDATED STATISTICAL AREAS						
Chicago-Gary, Ill.-Ind.:						
1977.....	982.5	14,803.8	904.2	13,181.4	78.3	1,622.4
1972.....	1,009.0	10,205.6	938.2	9,255.7	70.8	949.9
1967.....	1,088.1	8,020.4	1,030.1	7,410.3	58.0	610.1
1963.....	958.5	6,195.4	905.0	5,710.0	53.6	485.4
Cincinnati-Hamilton, Ohio-Ky.-Ind.:						
1977.....	189.6	2,944.3	172.7	2,612.6	16.9	331.6
1972.....	185.5	1,926.8	170.0	1,718.9	15.5	207.9
STANDARD METROPOLITAN STATISTICAL AREAS						
Anderson:						
1977.....	25.6	472.4	(D)	(D)	(D)	(D)
1972.....	26.5	304.0	(D)	(D)	(D)	(D)
1967.....	28.4	224.1	28.4	224.1	-	-
1963.....	26.2	183.3	(D)	(D)	(D)	(D)
Bloomington:						
1977.....	8.7	96.3	8.5	93.2	.2	3.1
1972.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Cincinnati, Ohio-Ky.-Ind.:						
1977.....	160.2	2,435.8	146.2	2,170.6	14.0	265.2
1972.....	157.6	1,608.8	144.9	1,442.9	12.7	165.9
1967.....	166.8	1,258.7	155.6	1,150.5	11.2	108.2
1963.....	153.9	989.0	144.4	910.4	9.5	78.6
Evansville, Ind.-Ky.:						
1977.....	39.2	537.0	38.3	522.9	.9	14.1
1972.....	36.3	313.0	35.9	308.4	.4	4.6
Fort Wayne:						
1977.....	56.8	844.3	53.0	761.3	3.8	83.0
1972.....	57.5	593.8	53.9	545.3	3.6	48.5
Gary-Hammond-East Chicago:						
1977.....	98.2	1,849.9	97.5	1,840.0	.7	9.9
1972.....	99.4	1,141.6	98.5	1,132.2	.9	9.4
1967.....	105.0	852.3	104.2	846.2	.8	6.1
1963.....	98.0	722.4	96.5	709.1	1.4	13.3
Indianapolis:						
1977.....	124.0	1,980.6	118.2	1,869.5	5.8	111.1
1972.....	122.5	1,311.8	117.3	1,249.8	5.2	62.0
1967.....	134.7	1,009.7	131.2	973.9	3.5	35.8
1963.....	115.8	751.2	112.5	723.8	3.3	27.4
Kokomo:						
1977.....	24.7	445.8	23.9	432.7	.8	13.1
1972.....	24.1	278.4	(NA)	(NA)	(NA)	(NA)
Lafayette-West Lafayette:						
1977.....	10.9	163.2	10.7	159.7	.2	3.5
1972.....	11.1	107.7	(D)	(D)	(D)	(D)
1967.....	10.9	79.1	(D)	(D)	(D)	(D)
Louisville, Ky.-Ind.:						
1977.....	106.9	1,559.2	99.7	1,425.5	7.2	133.7
1972.....	113.4	1,073.7	108.0	1,007.4	5.4	66.3
1967.....	110.0	750.5	104.7	699.5	5.3	51.0
1963.....	87.7	542.5	84.0	510.5	3.7	32.0
Muncie:						
1977.....	14.2	230.8	13.7	223.2	.5	7.6
1972.....	17.1	163.5	16.5	157.2	.6	6.3
1967.....	18.6	143.0	(D)	(D)	(D)	(D)
1963.....	16.7	110.1	(D)	(D)	(D)	(D)
South Bend:						
1977.....	33.1	461.4	33.0	460.1	.1	1.3
1972.....	30.8	299.1	30.6	297.0	.2	2.1
1967.....	35.0	262.0	34.9	261.0	.1	1.0
1963.....	37.7	244.2	(D)	(D)	(D)	(D)
Terre Haute:						
1977.....	16.1	199.9	16.0	198.2	.1	1.7
1972.....	14.9	123.4	14.8	122.6	.1	.8
1967.....	14.0	85.6	13.9	84.8	.1	.8
1963.....	11.5	60.7	(D)	(D)	(D)	(D)

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available.

¹Defined in appendix B. Data for these establishments are included at the total manufacturing level in each table in this report. Data for these establishments are shown separately in tables 5 and 9 and included in State, SMSA, county, or city totals in other tables.

Table 2a. **Historical Statistics for the State and Selected Standard Metropolitan Statistical Areas:**
1977 and Earlier Years

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Establishments ²		All employees ²		Production workers										Comparative indexes and U.S. employment			
	Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)	Value added by manu- facture (million dollars)	Cost of materials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)	Percent of U.S. manufac- turing employ- ment (per- cent)	Index of State employ- ment change (1977= 100)	United States				
														Index of manufac- turing employ- ment change (1977= 100)	U.S. manu- facturing employ- ment (1,000)			
INDIANA																		
1977 CENSUS.	8 061	3 229	705.9	10 438.9	521.9	1 024.8	7 046.5	22 717.6	29 829.1	52 172.2	2 078.0	3.60	100	100	19 596.9			
1976 ASM....	(NA)	(NA)	677.0	9 589.0	498.3	969.0	6 107.7	19 982.8	25 661.3	45 180.9	1 475.1	3.61	96	96	18 753.0			
1975 ASM....	(NA)	(NA)	653.5	7 978.4	470.2	892.5	5 159.1	16 358.8	22 001.1	38 250.2	1 505.8	3.57	93	94	18 302.2			
1974 ASM....	(NA)	(NA)	733.0	8 310.6	541.3	1 061.0	5 572.4	18 005.7	21 849.7	39 423.9	1 402.4	3.69	104	102	19 844.8			
1973 ASM....	(NA)	(NA)	749.8	7 850.0	561.8	1 119.0	5 362.1	16 368.5	18 092.7	34 175.5	1 107.2	3.77	106	102	19 897.9			
1972 CENSUS.	7 354	30 491	703.9	6 881.5	526.1	1 041.7	4 640.8	14 111.6	15 327.1	29 167.7	907.3	3.70	100	98	19 028.7			
1971 ASM....	(NA)	(NA)	665.1	6 003.1	491.0	957.4	3 957.9	12 073.9	13 281.1	25 346.0	847.1	3.62	94	94	18 363.1			
1970 ASM....	(NA)	(NA)	696.7	5 819.3	516.7	1 013.0	3 844.9	11 469.1	12 612.3	24 048.2	1 016.2	3.63	99	99	19 217.2			
1969 ASM....	(NA)	(NA)	743.8	5 916.6	564.5	1 122.7	4 024.9	11 857.4	13 463.5	25 057.1	1 168.4	3.71	105	103	20 035.5			
1968 ASM....	(NA)	(NA)	715.2	5 423.3	542.4	1 085.4	3 699.9	11 250.2	12 122.7	23 348.0	997.5	3.66	101	100	19 527.6			
1967 CENSUS.	(NA)	(NA)	710.2	5 023.2	543.6	1 078.1	3 453.5	10 308.0	11 706.0	21 856.0	1 004.4	3.68	101	99	19 323.2			
1966 ASM....	6 720	2 917	706.7	4 897.6	544.2	1 114.9	3 421.2	10 116.7	11 813.2	21 647.5	1 075.8	3.71	100	98	19 024.5			
1965 ASM....	(NA)	(NA)	666.6	4 449.9	511.4	1 047.0	3 118.6	9 316.7	10 731.6	19 921.5	1 050.1	3.70	94	92	18 010.2			
1964 ASM....	(NA)	(NA)	625.1	4 044.5	473.2	969.3	2 792.4	8 250.8	9 475.5	17 605.8	908.3	3.62	89	89	17 268.5			
1963 CENSUS.	6 860	2 547	609.8	3 794.3	463.1	937.2	2 622.1	7 726.9	(NA)	(NA)	555.2	3.60	86	87	16 958.4			
CHICAGO-GARY, ILL.-IND., SCSA																		
1977 CENSUS.	15 026	5 794	982.5	14 803.8	643.5	1 265.7	8 389.8	31 059.7	39 305.7	69 937.3	1 979.4	5.01	100	100	19 596.9			
1972 CENSUS.	14 460	5 753	1 009.0	10 205.6	681.8	1 346.7	5 987.9	19 732.8	21 311.2	40 708.8	1 256.0	5.30	103	98	19 028.7			
CINCINNATI-HAMILTON, OHIO-KY.-IND., SCSA																		
1977 CENSUS.	2 373	958	189.6	2 944.3	117.7	238.4	1 618.9	6 608.2	7 196.2	13 769.5	357.1	.97	100	100	19 596.9			
1972 CENSUS.	2 258	949	185.5	1 926.8	117.7	240.4	1 057.8	4 145.4	3 648.6	7 763.0	233.6	.97	98	98	19 028.7			
CINCINNATI, OHIO-KY.-IND., SMSA																		
1977 CENSUS.	2 135	856	160.2	2 435.8	97.2	197.9	1 289.5	5 645.9	6 043.1	11 647.9	299.2	.82	100	100	19 596.9			
1976 ASM....	(NA)	(NA)	156.7	2 205.1	94.0	190.9	1 153.5	4 986.1	5 691.3	10 632.6	232.2	.84	98	96	18 753.0			
1975 ASM....	(NA)	(NA)	156.3	2 006.2	92.7	184.2	1 025.7	4 499.8	5 123.3	9 637.3	230.8	.85	98	94	18 302.2			
1974 ASM....	(NA)	(NA)	173.8	2 060.6	107.8	218.1	1 076.1	4 527.9	4 794.6	9 169.1	268.8	.88	108	102	19 844.8			
1973 ASM....	(NA)	(NA)	164.6	1 805.6	103.1	211.0	966.1	3 960.1	3 897.4	7 778.3	198.0	.83	103	102	19 897.9			
1972 CENSUS.	2 045	855	157.6	1 608.8	97.5	197.6	848.9	3 561.2	3 060.9	6 601.2	199.3	.83	98	98	19 028.7			
1971 ASM....	(NA)	(NA)	158.4	1 496.6	98.2	196.3	790.6	3 377.0	3 118.2	6 522.5	133.4	.86	99	94	18 363.1			
1970 ASM....	(NA)	(NA)	167.9	1 473.0	104.7	208.4	774.8	3 200.2	3 061.4	6 200.0	172.3	.87	105	99	19 217.2			
1969 ASM....	(NA)	(NA)	172.2	1 435.8	108.9	221.6	764.9	3 156.0	3 060.5	6 162.3	192.3	.86	107	103	20 035.5			
1968 ASM....	(NA)	(NA)	170.4	1 354.4	108.0	221.4	728.4	2 962.5	2 886.6	5 843.6	163.1	.87	106	100	19 527.6			
1967 CENSUS.	1 921	818	166.8	1 258.7	107.2	217.0	681.9	2 704.1	2 767.8	5 460.4	158.3	.86	104	99	19 323.2			
1966 ASM....	(NA)	(NA)	164.0	1 195.3	106.2	225.1	675.3	2 567.7	2 706.9	5 225.4	148.1	.86	102	98	19 024.5			
1965 ASM....	(NA)	(NA)	155.1	1 086.5	101.5	211.4	612.6	2 356.6	2 351.0	4 880.4	115.0	.86	97	92	18 010.2			
1964 ASM....	(NA)	(NA)	149.8	998.0	97.9	204.7	568.0	2 168.4	2 272.9	4 432.9	93.9	.87	94	89	17 268.5			
1963 CENSUS.	1 971	797	153.9	989.0	100.1	207.1	554.9	2 057.4	(NA)	(NA)	78.1	.91	96	87	16 958.4			
FORT WAYNE SMSA																		
1977 CENSUS.	644	266	56.8	844.3	39.7	77.1	520.4	1 927.9	2 902.2	4 807.7	96.5	.29	100	100	19 596.9			
1976 ASM....	(NA)	(NA)	56.2	744.4	38.7	73.7	448.5	1 376.6	2 285.3	3 635.4	62.9	.30	99	96	18 753.0			
1975 ASM....	(NA)	(NA)	52.6	635.2	34.4	64.1	366.2	1 098.5	1 804.9	2 915.6	63.7	.29	93	94	18 302.2			
1974 ASM....	(NA)	(NA)	62.4	695.8	41.9	83.3	431.6	1 279.6	2 097.4	3 345.7	80.6	.31	110	102	19 844.8			
1973 ASM....	(NA)	(NA)	61.1	659.2	42.3	84.6	408.7	1 137.5	1 774.7	2 916.4	60.3	.31	108	102	19 897.9			
1972 CENSUS.	560	246	57.5	593.8	39.4	79.4	361.4	1 062.1	1 505.3	2 537.6	43.9	.30	101	98	19 028.7			
GARY-HAMMOND-EAST CHICAGO SMSA																		
1977 CENSUS.	479	190	98.2	1 849.9	75.6	147.7	1 367.0	3 517.6	7 863.9	11 369.4	530.5	.50	100	100	19 596.9			
1976 ASM....	(NA)	(NA)	95.8	1 629.1	72.6	141.6	1 173.6	3 256.3	7 043.0	10 073.6	523.2	.51	98	96	18 753.0			
1975 ASM....	(NA)	(NA)	95.6	1 435.3	71.3	133.5	1 012.4	2 463.0	6 269.4	8 571.9	533.0	.52	97	94	18 302.2			
1974 ASM....	(NA)	(NA)	104.3	1 468.1	80.3	159.5	1 078.8	3 636.0	5 946.9	9 623.7	336.1	.53	106	102	19 844.8			
1973 ASM....	(NA)	(NA)	106.5	1 311.8	82.0	163.8	958.5	2 792.7	4 247.5	7 106.7	276.4	.54	108	102	19 897.9			
1972 CENSUS.	455	210	99.4	1 141.6	76.9	151.6	820.2	2 159.0	3 606.9	5 676.7	257.2	.52	101	98	19 028.7			
1971 ASM....	(NA)	(NA)	100.0	1 005.8	74.6	141.8	694.0	1 922.0	3 065.2	5 061.4	305.0	.54	102	94	18 363.1			
1970 ASM....	(NA)	(NA)	106.9	1 020.2	80.5	157.6	718.6	2 018.0	3 074.1	5 032.2	338.7	.56	109	99	19 217.2			
1969 ASM....	(NA)	(NA)	106.3	1 000.8	81.4	166.5	724.1	1 926.6	3 427.4	5 257.6	504.8	.53	108	103	20 035.5			
1968 ASM....	(NA)	(NA)	103.0	898.1	78.5	158.7	651.6	1 844.8	2 968.2	4 869.8	485.1	.53	105	100	19 527.6			
1967 CENSUS.	415	204	105.0	852.3	80.6	159.0	614.4	1 806.6	2 903.8	4 660.0	412.1	.54	107	99	19 323.2			
1966 ASM....	(NA)	(NA)	106.8	857.7	83.6	167.6	631.5	1 935.6	2 898.9	4 755.6	484.0	.56	109	98	19 024.5			
1965 ASM....	(NA)	(NA)	106.5	814.6	84.0	165.1	607.3	1 900.9	2 668.2	4 580.7	437.9	.59	108	92	18 010.2			
1964 ASM....	(NA)	(NA)	102.2	776.5	80.5	162.3	581.2	1 740.0	2 538.6	4 250.2	512.2	.59	104	89	17 268.5			
1963 CENSUS.	428	188	98.0	722.4	76.2	150.0	530.1	1 648.4	(NA)	(NA)	230.3	.58	100	87	16 958.4			

See footnotes at end of table.

Table 2a. **Historical Statistics for the State and Selected Standard Metropolitan Statistical Areas: 1977 and Earlier Years—Con.**

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Establishments ²		All employees ²		Production workers					Comparative indexes and U.S. employment					
	Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)	Value added by manu- facture (million dollars)	Cost of materials ³ (million dollars)					Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)
										Percent of U.S. manufac- turing employ- ment (per- cent)	Index of State employ- ment change (1977= 100)	Index of manufac- turing employ- ment change (1977= 100)	U.S. manu- facturing employ- ment (1,000)		
INDIANAPOLIS SMSA															
1977 CENSUS.	1 660	576	124.0	1 980.6	83.1	164.3	1 180.3	3 922.2	4 079.7	7 898.5	288.8	.63	100	100	19 596.9
1976 ASM....	(NA)	(NA)	123.0	1 754.9	81.8	159.1	1 022.0	3 695.7	3 454.0	7 092.7	239.7	.66	99	96	18 753.0
1975 ASM....	(NA)	(NA)	120.4	1 572.3	78.5	151.2	887.5	3 138.8	3 056.5	6 197.9	228.6	.66	97	94	18 302.2
1974 ASM....	(NA)	(NA)	131.0	1 588.3	87.1	172.6	923.7	3 084.0	2 946.9	5 960.7	291.4	.66	106	102	19 844.8
1973 ASM....	(NA)	(NA)	129.5	1 487.3	86.9	175.7	896.6	2 830.7	2 456.4	5 221.0	179.0	.65	104	102	19 897.9
1972 CENSUS.	1 505	527	122.5	1 311.8	83.2	167.6	787.4	2 525.3	2 088.6	4 585.1	163.9	.64	99	98	19 028.7
1971 ASM....	(NA)	(NA)	116.4	1 149.8	77.8	153.5	675.5	2 201.6	1 800.2	4 021.3	96.9	.63	94	94	18 363.1
1970 ASM....	(NA)	(NA)	124.2	1 121.7	85.3	166.3	664.0	2 050.9	1 778.3	3 841.8	133.1	.65	100	99	19 217.2
1969 ASM....	(NA)	(NA)	137.8	1 162.9	98.4	194.3	728.4	2 236.0	1 896.1	4 091.7	141.2	.69	111	103	20 035.5
1968 ASM....	(NA)	(NA)	135.2	1 090.3	95.7	193.3	686.9	2 081.1	1 775.6	3 833.3	145.2	.69	109	100	19 527.6
1967 CENSUS.	1 440	541	134.7	1 009.7	96.5	190.1	636.0	1 855.6	1 700.4	3 561.4	147.2	.70	109	99	19 323.2
1966 ASM....	(NA)	(NA)	135.2	992.3	94.4	197.1	628.8	1 797.8	1 792.1	3 520.1	143.1	.71	109	98	19 024.5
1965 ASM....	(NA)	(NA)	127.2	889.9	88.2	182.4	561.1	1 619.0	1 633.9	3 212.0	144.4	.71	103	92	18 010.2
1964 ASM....	(NA)	(NA)	119.9	812.6	82.8	172.7	500.3	1 473.9	1 417.6	2 886.6	92.0	.69	97	89	17 268.5
1963 CENSUS.	1 382	475	115.8	751.2	80.3	164.2	463.7	1 368.5	(NA)	(NA)	72.2	.68	93	87	16 958.4
LOUISVILLE, KY.—IND., SMSA															
1977 CENSUS.	1 109	455	106.9	1 559.2	77.0	148.2	1 005.8	4 440.7	6 340.0	10 707.2	202.5	.55	100	100	19 596.9
1976 ASM....	(NA)	(NA)	108.4	1 402.0	76.5	143.7	884.2	4 164.7	5 471.4	9 568.6	136.4	.58	101	96	18 753.0
1975 ASM....	(NA)	(NA)	108.9	1 299.5	76.2	144.1	812.8	3 498.7	5 015.5	8 556.0	139.7	.60	102	94	18 302.2
1974 ASM....	(NA)	(NA)	124.3	1 357.0	88.7	168.1	875.0	3 761.7	4 891.5	8 523.0	214.2	.63	116	102	19 844.8
1973 ASM....	(NA)	(NA)	117.8	1 222.0	86.8	172.6	819.8	3 273.2	4 089.6	7 363.1	175.4	.59	110	102	19 897.9
1972 CENSUS.	1 004	465	113.4	1 073.7	83.2	161.8	715.3	3 022.8	3 550.7	6 512.1	128.2	.60	106	98	19 028.7
1971 ASM....	(NA)	(NA)	105.1	948.7	77.5	145.8	606.2	2 691.1	2 999.0	5 650.8	114.9	.57	98	94	18 363.1
1970 ASM....	(NA)	(NA)	115.0	939.8	86.2	158.0	601.1	2 541.6	2 706.2	5 196.7	94.6	.60	108	99	19 217.2
1969 ASM....	(NA)	(NA)	121.1	918.0	91.5	165.6	588.1	2 682.6	2 588.0	5 268.9	137.7	.60	113	103	20 035.5
1968 ASM....	(NA)	(NA)	114.5	832.8	87.9	165.2	554.2	2 395.1	2 614.3	5 006.5	137.2	.59	107	100	19 527.6
1967 CENSUS.	900	435	110.0	750.5	82.5	158.7	499.1	2 082.5	2 363.7	4 457.3	125.5	.57	103	99	19 323.2
1966 ASM....	(NA)	(NA)	102.0	695.7	76.9	153.6	471.6	1 993.3	2 528.6	4 473.0	106.3	.54	95	98	19 024.5
1965 ASM....	(NA)	(NA)	95.4	633.7	71.6	146.5	431.1	1 906.8	2 258.0	4 133.9	98.0	.53	89	92	18 010.2
1964 ASM....	(NA)	(NA)	91.6	588.2	68.9	140.1	400.1	1 727.7	2 052.3	3 765.6	82.2	.53	86	89	17 268.5
1963 CENSUS.	904	429	87.7	542.5	65.2	131.7	361.3	1 595.6	(NA)	(NA)	66.7	.52	82	87	16 958.4

¹In annual survey of manufactures (ASM) years, data are estimates based on a representative sample of establishments canvassed annually and may differ from results of a complete canvass of all establishments. ASM publication shows percentage standard errors. Unless otherwise noted, for data prior to 1963, see 1963 Census of Manufactures, vol. III, table 1 of State chapter.

²Including central administrative offices and auxiliaries (for definition, see appendix B).

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 2b. **Selected Operating Ratios for the State and Selected Standard Metropolitan Statistical Areas: 1977 and Earlier Years**

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials as percent of value of shipments (percent)	Cost of materials and payroll as percent of value of shipments (percent)	Value added per employee (dollars)	Payroll as percent of value added (percent)	Value added per production worker hour (dollars)
INDIANA									
1977 CENSUS.....	14 788	74	1 964	6.88	57	77	32 183	46	22.17
1976 ASM.....	14 164	74	1 945	6.30	57	78	29 517	48	20.62
1975 ASM.....	12 209	72	1 898	5.78	58	78	25 033	49	18.33
1974 ASM.....	11 338	74	1 960	5.25	55	77	24 564	46	16.97
1973 ASM.....	10 469	75	1 992	4.79	53	76	21 830	48	14.63
1972 CENSUS.....	9 776	75	1 980	4.46	53	76	20 048	49	13.55
1971 ASM.....	9 026	74	1 950	4.13	52	76	18 154	50	12.61
1970 ASM.....	8 353	74	1 961	3.80	52	77	16 462	51	11.32
1969 ASM.....	7 955	76	1 989	3.59	54	77	15 942	50	10.56
1968 ASM.....	7 583	76	2 001	3.41	52	75	15 730	48	10.37
1967 CENSUS.....	7 073	77	1 983	3.20	54	77	14 514	49	9.56
1966 ASM.....	6 930	77	2 049	3.07	55	77	14 315	48	9.07
1965 ASM.....	6 676	77	2 047	2.98	54	76	13 976	48	8.90
1964 ASM.....	6 470	76	2 048	2.88	54	77	13 199	49	8.51
1963 CENSUS.....	6 222	76	2 024	2.80	(NA)	(NA)	12 671	49	8.24
CHICAGO-GARY, ILL.—IND., SCSA									
1977 CENSUS.....	15 068	65	1 967	6.63	56	77	31 613	48	24.54
1972 CENSUS.....	10 115	68	1 975	4.45	52	77	19 557	52	14.65

See footnotes at end of table.

Table 2b. Selected Operating Ratios for the State and Selected Standard Metropolitan Statistical Areas:
1977 and Earlier Years—Con.

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials as percent of value of shipments (percent)	Cost of materials and payroll as percent of value of shipments (percent)	Value added per employee (dollars)	Payroll as percent of value added (percent)	Value added per production worker hour (dollars)
CINCINNATI-HAMILTON, OHIO-KY.-IND., SCSA									
1977 CENSUS.....	15 531	62	2 025	6.79	52	74	34 857	45	27.72
1972 CENSUS.....	10 393	63	2 042	4.40	47	72	22 359	46	17.24
CINCINNATI, OHIO-KY.-IND., SMSA									
1977 CENSUS.....	15 206	61	2 035	6.52	52	73	35 245	43	28.53
1976 ASM.....	14 072	60	2 031	6.04	54	74	31 819	44	26.12
1975 ASM.....	12 836	59	1 987	5.57	53	74	28 790	45	24.43
1974 ASM.....	11 856	62	2 023	4.93	52	75	26 052	46	20.76
1973 ASM.....	10 970	63	2 047	4.58	50	73	24 059	46	18.77
1972 CENSUS.....	10 208	62	2 027	4.30	46	71	22 596	45	18.02
1971 ASM.....	9 448	62	1 999	4.03	48	71	21 319	44	17.20
1970 ASM.....	8 773	62	1 990	3.72	49	73	19 060	46	15.36
1969 ASM.....	8 338	63	2 035	3.45	50	73	18 328	45	14.24
1968 ASM.....	7 948	63	2 050	3.29	49	73	17 386	46	13.38
1967 CENSUS.....	7 546	64	2 024	3.14	51	74	16 212	47	12.46
1966 ASM.....	7 288	65	2 120	3.00	52	75	15 657	47	11.41
1965 ASM.....	7 005	65	2 083	2.90	48	71	15 194	46	11.15
1964 ASM.....	6 662	65	2 091	2.77	51	74	14 475	46	10.59
1963 CENSUS.....	6 426	65	2 069	2.68	(NA)	(NA)	13 368	48	9.93
FORT WAYNE SMSA									
1977 CENSUS.....	14 871	70	1 939	6.75	60	78	33 957	44	25.02
1976 ASM.....	13 246	69	1 904	6.09	63	83	24 495	54	18.68
1975 ASM.....	12 076	65	1 863	5.71	62	84	20 884	58	17.14
1974 ASM.....	11 151	67	1 988	5.18	63	83	20 506	54	15.36
1973 ASM.....	10 789	69	2 000	4.83	61	83	18 617	58	13.45
1972 CENSUS.....	10 327	69	2 015	4.55	59	83	18 471	56	13.38
GARY-HAMMOND-EAST CHICAGO SMSA									
1977 CENSUS.....	18 838	77	1 953	9.25	69	85	35 820	53	23.81
1976 ASM.....	17 005	76	1 950	8.29	70	86	33 991	50	23.00
1975 ASM.....	15 014	75	1 872	7.58	73	90	25 764	58	18.45
1974 ASM.....	14 076	77	1 986	6.76	62	77	34 861	40	22.80
1973 ASM.....	12 317	77	1 998	5.85	60	78	26 223	47	17.05
1972 CENSUS.....	11 485	77	1 971	5.41	64	84	21 720	53	14.24
1971 ASM.....	10 058	75	1 901	4.89	61	80	19 220	52	13.55
1970 ASM.....	9 543	75	1 958	4.56	61	81	18 877	51	12.80
1969 ASM.....	9 415	77	2 045	4.35	65	84	18 124	52	11.57
1968 ASM.....	8 719	76	2 022	4.11	61	79	17 911	49	11.62
1967 CENSUS.....	8 117	77	1 973	3.86	62	81	17 206	47	11.36
1966 ASM.....	8 031	78	2 005	3.77	61	79	18 124	44	11.55
1965 ASM.....	7 649	79	1 965	3.68	58	76	17 849	43	11.51
1964 ASM.....	7 598	79	2 016	3.58	60	78	17 025	45	10.72
1963 CENSUS.....	7 371	78	1 969	3.53	(NA)	(NA)	16 820	44	10.99
INDIANAPOLIS SMSA									
1977 CENSUS.....	15 976	67	1 977	7.19	52	77	31 637	50	23.88
1976 ASM.....	14 267	67	1 945	6.42	49	73	30 046	47	23.23
1975 ASM.....	13 059	65	1 926	5.87	49	75	26 070	50	20.76
1974 ASM.....	12 124	66	1 982	5.35	49	76	23 542	52	17.87
1973 ASM.....	11 485	67	2 022	5.10	47	76	21 859	53	16.11
1972 CENSUS.....	10 709	68	2 014	4.70	46	74	20 615	52	15.07
1971 ASM.....	9 878	67	1 973	4.40	45	73	18 914	52	14.34
1970 ASM.....	9 031	69	1 950	3.99	46	75	16 513	55	12.33
1969 ASM.....	8 439	71	1 975	3.75	46	75	16 226	52	11.51
1968 ASM.....	8 064	71	2 020	3.55	46	75	15 393	52	10.77
1967 CENSUS.....	7 496	72	1 970	3.35	48	76	13 776	54	9.76
1966 ASM.....	7 339	70	2 088	3.19	51	79	13 297	55	9.12
1965 ASM.....	6 996	69	2 068	3.08	51	79	12 728	55	8.88
1964 ASM.....	6 777	69	2 086	2.90	49	77	12 293	55	8.53
1963 CENSUS.....	6 487	69	2 045	2.82	(NA)	(NA)	11 818	55	8.33
LOUISVILLE, KY.-IND., SMSA									
1977 CENSUS.....	14 584	72	1 925	6.79	59	74	41 535	35	29.97
1976 ASM.....	12 934	71	1 878	6.15	57	72	38 420	34	28.98
1975 ASM.....	11 933	70	1 891	5.64	59	74	32 128	37	24.28
1974 ASM.....	10 917	71	1 895	5.21	57	73	30 263	36	22.38
1973 ASM.....	10 374	74	1 988	4.75	56	72	27 786	37	18.96
1972 CENSUS.....	9 468	73	1 945	4.42	55	71	26 656	36	18.68
1971 ASM.....	9 027	74	1 881	4.16	53	70	25 605	35	18.46
1970 ASM.....	8 172	75	1 833	3.80	52	70	22 101	37	16.09
1969 ASM.....	7 581	76	1 810	3.55	49	67	22 152	34	16.20
1968 ASM.....	7 273	77	1 879	3.35	52	69	20 918	35	14.50
1967 CENSUS.....	6 823	75	1 924	3.14	53	70	18 932	36	13.12
1966 ASM.....	6 821	75	1 997	3.07	57	72	19 542	35	12.98
1965 ASM.....	6 643	75	2 046	2.94	55	70	19 987	33	13.02
1964 ASM.....	6 421	75	2 033	2.86	55	70	18 861	34	12.33
1963 CENSUS.....	6 186	74	2 020	2.74	(NA)	(NA)	18 194	34	12.12

Note: For qualifications to data, see footnotes on table 2a.
(NA) Not available.

Table 3a. Summary Statistics for the State: 1977 and 1972

[For explanation of terms, see appendix B]

Item	Unit of measure	1977	1972
All establishments ¹ -----	number -----	8 061	7 354
With 1 to 19 employees -----	do -----	4 832	4 305
With 20 to 99 employees -----	do -----	2 051	1 910
With 100 employees or more -----	do -----	1 178	1 139
All employees, average for year ¹ -----	1,000 -----	705.9	703.9
Payroll for year, all employees ¹ -----	mil. dollars --	10 438.9	6 881.5
Production workers:			
Average for year -----	1,000 -----	521.9	526.1
March -----	do -----	509.7	512.1
May -----	do -----	523.3	524.4
August -----	do -----	524.4	528.0
November -----	do -----	529.2	540.1
Hours -----	millions -----	1 024.8	1 041.7
January to March -----	do -----	244.2	252.0
April to June -----	do -----	263.0	262.5
July to September -----	do -----	258.5	257.7
October to December -----	do -----	259.2	269.5
Wages -----	mil. dollars --	7 046.5	4 640.8
Cost of materials, etc. ² -----	do -----	29 829.1	15 327.1
Materials, parts, containers, etc., consumed -----	do -----	26 995.3	14 064.5
Resales -----	do -----	1 101.4	589.7
Fuels consumed -----	do -----	851.4	267.7
Purchased electric energy -----	do -----	567.2	221.8
Contract work -----	do -----	313.7	183.4
Value of shipments, including resales ² -----	do -----	52 172.2	29 167.7
Value of resales -----	do -----	1 400.2	779.1
Value added by manufacture -----	do -----	22 717.6	14 111.6
Manufacturers' inventories:			
Beginning of year -----	do -----	7 048.5	3 950.2
Finished products -----	do -----	2 172.1	1 406.6
Work in process -----	do -----	2 344.1	1 270.9
Materials, supplies, fuel, etc. -----	do -----	2 532.3	1 272.7
End of year -----	do -----	7 568.4	4 289.9
Finished products -----	do -----	2 326.2	1 496.5
Work in process -----	do -----	2 555.2	1 418.0
Materials, supplies, fuel, etc. -----	do -----	2 687.0	1 375.4
Capital expenditures for plant and equipment -----	do -----	2 155.9	948.6
New capital expenditures -----	do -----	2 078.0	907.3
New buildings and other structures -----	do -----	350.8	216.2
New machinery and equipment -----	do -----	1 727.2	691.0
Used capital expenditures -----	do -----	77.9	41.3

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies.

¹Including central administrative offices and auxiliaries (for definition, see appendix B).

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 3b. Supplemental State Statistics Based on Sample Estimates: 1977

(For explanation of terms, see appendix B. For description of annual survey of manufactures (ASM), see appendix F)

Item	Amount (million dollars)	Standard error of estimate (percent)	Item	Amount (million dollars)	Standard error of estimate (percent)
Gross value of depreciable assets:			Rental payments:		
Total:			Total.....	200.8	2
Beginning of year.....	18,962.4	1	Buildings and other structures.....	66.6	4
New capital expenditures.....	2,080.0	1	Machinery and equipment.....	134.1	2
Used capital expenditures.....	80.5	6			
Retirements.....	535.6	2	Depreciation charges during 1977:		
End of year.....	20,587.4	1	Total.....	1,052.1	1
Buildings and other structures:			Buildings and other structures.....	174.8	1
Beginning of year.....	4,587.2	1	Machinery and equipment.....	877.4	1
New capital expenditures.....	347.7	2			
Used capital expenditures.....	20.4	14	Supplemental labor costs:		
Retirements.....	65.3	6	Total.....	2,234.1	1
End of year.....	4,889.9	1	Legal costs.....	687.7	1
Machinery and equipment:			Voluntary costs.....	1,546.4	1
Beginning of year.....	14,375.0	1			
New capital expenditures.....	1,732.4	1	Purchased services:		
Automobiles, trucks, etc., for highway use...	54.9	(NA)	Cost of purchased services for the repair of--		
Computers and peripheral data processing equip.	27.9	(NA)	Buildings and other structures.....	(106.4)	(A)
All other.....	1,458.8	(NA)	Response coverage ratio (percent).....	63	(X)
New machinery and equipment, n.s.k.....	190.7	(NA)	Machinery.....	(572.3)	22
Used capital expenditures.....	60.1	4	Response coverage ratio (percent).....	62	(X)
Retirements.....	470.4	2	Cost of purchased communication services.....	(89.8)	(A)
End of year.....	15,697.0	1	Response coverage ratio (percent).....	68	(X)

Note: Expenditures data, shown in tables 2a, 3a, and 4-8, are census universe figures and may differ from ASM sample estimates shown in this table. Table 3b figures represent best estimate of year-to-year change as measured by continuing ASM sample, but are subject to sampling errors. Hence, as estimates of level, they are not as reliable as universe figures.

(A) Indicates standard errors of 100 percent or more. Figures in parentheses have standard errors of 15 percent or more. (NA) Not available. n.s.k. Not specified by kind. (S) Withheld because estimate did not meet publication standards. (X) Not applicable.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

1977														1972	
Geographic area	E ¹	All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)	
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)							
Indiana	-	8 061	3 229	705.9	10 438.9	521.9	1 024.8	7 046.5	22 717.6	29 829.1	52 172.2	2 078.0	703.9	14 111.6	
STANDARD CONSOLIDATED STATISTICAL AREAS															
Chicago-Gary, Ill.-Ind.	-	15 026	5 794	982.5	14 803.8	643.5	1 265.7	8 389.8	31 059.7	39 305.7	69 937.3	1 979.4	1 009.0	19 732.8	
Cincinnati-Hamilton, Ohio-Ky.-Ind.	-	2 373	958	189.6	2 944.3	117.7	238.4	1 618.9	6 608.2	7 196.2	13 769.5	357.1	185.5	4 145.4	
Portion in Ohio	-	2 127	860	175.2	2 751.5	107.4	217.8	1 492.7	6 159.3	6 732.5	12 868.7	335.4	170.6	3 803.5	
Portion in Indiana	E1	32	13	3.4	49.0	2.8	5.8	38.2	187.0	121.7	307.6	6.4	3.9	159.1	
Portion in Kentucky	E2	214	85	11.0	143.8	7.6	14.8	88.1	261.9	342.0	593.2	15.3	11.0	182.8	
STANDARD METROPOLITAN STATISTICAL AREAS															
Anderson	-	146	53	25.6	472.4	20.4	41.2	357.7	1 008.1	685.1	1 675.5	59.0	26.5	603.1	
Bloomington	-	90	27	8.7	96.3	7.2	13.1	73.6	394.3	512.9	907.0	8.4	(NA)	(NA)	
Cincinnati, Ohio-Ky.-Ind.	-	2 135	856	160.2	2 435.8	97.2	197.9	1 289.5	5 645.9	6 043.1	11 647.9	299.2	157.6	3 561.2	
Portion in Ohio	-	1 889	758	145.8	2 243.0	86.9	177.3	1 163.3	5 197.0	5 579.4	10 747.1	277.5	142.7	3 219.3	
Portion in Indiana	E1	32	13	3.4	49.0	2.8	5.8	38.2	187.0	121.7	307.6	(D)	3.9	159.1	
Portion in Kentucky	-	214	85	11.0	143.8	7.6	14.8	88.1	261.9	342.0	593.2	15.3	11.0	182.8	
Evansville, Ind.-Ky.	-	408	169	39.2	537.0	28.0	56.7	355.9	1 558.9	2 268.4	3 747.5	134.0	36.3	897.6	
Portion in Indiana	-	347	139	34.9	487.0	24.5	50.2	320.5	1 331.8	1 969.7	3 251.6	124.7	33.4	861.5	
Portion in Kentucky	-	61	30	4.3	50.0	3.5	6.6	35.4	227.1	298.7	495.9	9.3	2.9	36.1	
Fort Wayne	-	644	266	56.8	844.3	39.7	77.1	520.4	1 927.9	2 902.2	4 807.7	96.5	57.5	1 062.1	
Gary-Hammond-East Chicago	-	479	190	98.2	1 849.9	75.6	147.7	1 367.0	3 517.6	7 863.9	11 369.4	530.5	99.4	2 159.0	
Indianapolis	-	1 660	576	124.0	1 980.6	83.1	164.3	1 180.3	3 922.2	4 079.7	7 898.5	288.8	122.5	2 525.3	
Kokomo	E3	110	44	24.7	445.8	19.0	38.8	325.2	801.4	609.5	1 399.3	(D)	24.1	551.3	
Lafayette-West Lafayette	-	102	49	10.9	163.2	7.9	15.5	106.2	504.6	552.5	1 032.5	147.5	11.1	258.0	
Louisville, Ky.-Ind.	-	1 109	455	106.9	1 559.2	77.0	148.2	1 005.8	4 440.7	6 340.0	10 707.2	202.5	113.4	3 022.8	
Portion in Indiana	-	164	69	11.4	142.3	8.8	16.7	96.2	409.1	420.7	828.2	32.7	15.7	305.7	
Portion in Kentucky	-	945	386	95.6	1 417.0	68.2	131.5	909.6	4 031.6	5 919.3	9 879.0	169.9	97.7	2 717.1	
Muncie	-	179	66	14.2	230.8	10.5	21.4	163.0	422.9	495.5	914.7	131.7	17.1	275.1	
South Bend	-	550	224	33.1	461.4	23.8	46.2	295.5	997.9	1 191.9	2 200.9	58.2	30.8	560.4	
Terre Haute	-	205	80	16.1	199.9	11.6	22.8	133.5	607.4	691.0	1 287.4	46.6	14.9	308.6	
COUNTIES															
Adams	-	59	35	5.6	62.7	4.4	8.7	44.0	148.9	372.6	515.1	16.9	5.0	82.3	
Allen	-	474	186	42.8	672.7	28.9	56.0	403.0	1 513.4	2 285.4	3 785.9	62.4	44.9	831.8	
Bartholomew	-	76	36	17.3	294.1	11.3	22.7	169.1	716.1	720.9	1 414.9	36.1	15.9	327.4	
Benton	-	8	4	0.3	2.2	0.2	0.4	1.6	3.9	5.3	9.3	0.2	0.4	4.0	
Blackford	-	31	11	2.0	24.1	1.6	3.1	16.8	81.5	88.0	167.3	2.0	2.3	57.2	
Boone	-	46	13	1.2	13.9	0.8	1.6	7.8	29.2	31.2	59.6	1.3	1.5	18.5	
Brown	E2	12	-	(Z)	0.4	(Z)	0.1	0.3	0.9	0.8	1.6	(Z)	0.1	0.8	
Carroll	-	24	9	1.3	12.4	1.1	2.2	9.1	30.2	37.2	66.5	3.1	1.4	20.8	
Cass	-	67	31	5.6	64.7	4.4	8.7	47.9	141.0	382.5	521.7	8.2	5.0	87.9	
Clark	-	87	35	7.4	101.3	5.5	10.4	66.8	304.5	291.4	596.5	23.4	11.4	226.2	
Clay	-	36	12	1.1	11.1	0.9	1.6	8.1	26.3	40.4	66.3	(D)	(D)	(D)	
Clinton	-	46	24	4.1	39.2	3.3	6.1	28.7	88.8	186.0	275.3	4.8	3.9	65.4	
Crawford	E2	17	2	0.1	1.0	0.1	0.2	0.8	1.7	2.6	4.3	0.3	0.1	0.9	
Daviess	-	40	10	1.3	11.6	1.1	1.8	8.8	28.6	53.7	81.1	1.2	1.8	29.7	
Dearborn	-	32	13	3.4	49.0	2.8	5.8	38.2	187.0	121.7	307.6	(D)	3.9	159.1	
Decatur	-	32	10	2.5	30.2	2.0	4.2	23.4	104.6	96.9	200.8	4.0	2.2	48.9	
De Kalb	-	73	29	5.1	67.6	4.0	7.7	47.9	168.1	182.7	349.1	7.4	4.6	81.9	
Delaware	-	179	66	14.2	230.8	10.5	21.4	163.0	422.9	495.5	914.7	131.7	17.1	275.1	
Dubois	-	107	57	7.4	75.6	5.8	12.4	52.6	155.4	165.4	319.5	12.9	6.5	100.7	
Elkhart	-	748	351	42.6	524.3	30.8	58.5	321.1	1 163.1	1 433.8	2 577.0	65.8	39.1	750.6	
Fayette	E2	34	14	7.3	101.3	6.1	11.8	77.5	222.4	219.5	437.1	7.8	5.8	98.9	
Floyd	-	77	34	4.0	40.9	3.3	6.3	29.4	104.6	129.4	231.6	9.3	4.3	79.5	
Fountain	-	27	10	2.6	29.6	2.3	4.7	23.8	56.5	45.6	100.6	2.2	2.6	36.7	
Franklin	-	15	6	0.6	6.0	0.5	1.1	4.7	13.3	15.0	28.2	0.6	0.8	8.9	
Fulton	-	54	25	2.7	28.0	2.2	4.2	20.5	67.3	68.7	134.3	2.1	2.1	28.7	
Gibson	-	38	13	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.8	17.6	
Grant	-	99	50	15.0	242.2	12.3	25.9	188.7	477.6	585.8	1 056.6	31.2	15.9	329.8	
Greene	-	30	7	1.2	9.8	1.1	1.9	8.0	21.9	41.4	63.1	2.8	1.3	14.8	
Hamilton	-	96	30	4.1	50.1	3.0	5.6	32.3	104.7	105.7	207.5	5.1	3.4	54.9	
Hancock	-	51	15	2.1	34.1	1.1	2.5	11.5	41.5	51.1	93.3	(D)	1.9	19.5	
Harrison	-	25	7	1.4	12.3	1.2	2.5	9.8	23.1	38.8	61.5	1.2	1.3	15.9	
Hendricks	E1	43	9	0.6	6.3	0.5	0.9	3.8	13.2	15.5	28.8	(D)	0.6	7.5	
Henry	-	69	25	5.8	92.2	4.8	8.5	73.3	155.9	149.7	299.8	15.9	5.4	110.9	
Howard	-	86	36	23.9	433.8	18.3	37.5	316.9	775.9	571.9	1 337.3	(D)	23.3	535.3	
Huntington	-	71	39	7.5	63.6	4.6	8.4	36.9	145.5	143.7	282.8	5.6	4.9	65.3	
Jackson	-	71	36	4.1	41.6	3.4	6.9	30.4	86.4	116.8	202.3	12.4	4.4	65.1	
Jasper	-	30	9	1.3	12.5	1.1	2.1	9.3	29.3	37.4	65.3	1.8	4.6	94.6	
Jay	-	33	16	4.0	47.1	3.2	6.1	36.0	101.5	97.0	197.3	7.3	4.4	69.0	
Jefferson	-	34	15	3.0	29.9	2.3	4.2	20.2	80.7	60.6	139.0	3.2	3.5	58.8	
Jennings	-	23	13	1.8	20.3	1.5	2.8	15.1	31.6	37.7	69.2	2.8	1.1	14.0	
Johnson	-	85	26	3.7	43.2	2.9	5.5	30.3	108.1	130.9	237.5	6.4	2.6	47.0	
Knox	-	45	13	2.1	25.3	1.6	3.1	17.9	48.8	98.2	145.7	4.7	2.4	48.3	
Kosciusko	-	186	78	10.4	126.9	8.1	15.9	83.6	318.9	302.6	615.2	29.0	9.0	165.4	
Lagrange	-	50	23	2.6	26.4	2.0	3.8	18							

See footnotes at end of table.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area		1977										1972		
		All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (milli- ons)	Wages (million dollars)						
E ¹														
COUNTIES—Con.														
Monroe	-	90	27	8.7	96.3	7.2	13.1	73.6	394.3	512.9	907.0	8.4	12.4	320.7
Montgomery	-	45	23	4.9	70.3	3.6	7.5	47.5	153.8	151.7	303.3	8.1	4.4	79.5
Morgan	-	46	12	1.8	16.0	1.5	2.7	11.7	33.9	33.0	64.2	2.7	0.9	12.4
Newton	E1	24	6	1.3	9.5	1.1	2.0	7.4	21.6	23.7	45.5	1.0	1.1	7.7
Noble	-	97	46	5.5	57.7	4.4	8.3	41.0	133.3	153.7	287.2	7.5	5.3	75.9
Ohio	E7	3	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.1	0.6
Orange	-	28	10	1.7	13.8	1.5	2.8	10.4	23.2	57.0	82.1	1.7	1.2	23.0
Owen	-	13	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	2.8
Parke	E1	19	2	0.4	3.3	0.4	0.7	2.7	9.7	7.4	17.0	0.4	0.3	3.4
Perry	-	31	14	2.9	30.5	2.5	5.2	24.5	66.2	58.4	122.5	2.6	3.2	50.9
Pike	E6	11	2	0.1	1.2	0.1	0.2	0.8	2.5	4.2	6.6	0.3	0.1	0.6
Porter	-	82	26	12.6	247.4	8.5	16.8	160.6	579.4	1 190.5	1 809.2	102.6	10.9	292.7
Posey	-	27	9	2.7	44.8	1.6	3.8	25.5	238.5	261.2	507.4	(D)	(D)	(D)
Pulaski	E1	19	7	0.8	9.9	0.6	1.3	6.3	28.7	30.4	57.6	(D)	0.6	12.3
Putnam	-	23	8	2.1	26.3	1.6	3.3	18.2	53.0	59.4	112.8	5.0	1.8	41.5
Randolph	-	68	26	5.7	75.4	4.8	9.0	60.5	147.8	122.9	268.6	12.6	5.7	86.4
Ripley	-	34	10	3.1	43.0	2.0	4.0	18.9	91.5	40.1	131.3	(D)	2.8	76.5
Rush	E1	32	7	1.0	11.9	0.8	1.5	8.4	22.8	29.3	52.7	1.0	1.1	17.1
St. Joseph	-	426	164	28.0	406.3	19.8	38.6	258.8	859.0	994.5	1 869.6	49.5	26.5	485.9
Scott	-	28	6	1.3	14.7	1.1	2.4	11.8	30.9	60.6	91.4	1.1	(D)	(D)
Shelby	-	68	29	4.2	45.3	3.4	6.6	31.8	114.1	98.8	210.0	4.2	4.1	67.9
Spencer	-	23	8	0.9	9.4	0.8	1.6	7.3	26.0	40.0	64.3	1.8	0.4	5.7
Starke	E2	27	7	0.8	9.3	0.6	1.2	6.8	22.4	22.5	44.6	1.5	0.8	11.7
Steuben	-	44	21	2.1	23.6	1.8	3.5	17.6	58.0	75.4	132.5	3.0	2.2	36.4
Sullivan	E2	27	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.8	9.2
Switzerland	-	6	3	0.6	4.6	0.5	1.0	4.2	11.4	10.0	21.3	(D)	0.6	7.5
Tippecanoe	-	102	49	10.9	163.2	7.9	15.5	106.2	504.6	552.5	1 032.5	147.5	11.1	258.0
Tipton	-	24	8	0.9	12.0	0.7	1.3	8.3	25.5	37.5	62.0	2.9	0.8	16.0
Union	-	7	3	0.1	1.1	0.1	0.1	0.6	12.3	19.9	30.0	0.1	(D)	(D)
Vanderburgh	-	243	103	25.2	323.9	17.7	35.3	206.3	807.7	791.4	1 578.7	52.6	26.0	532.4
Vermillion	-	13	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Vigo	-	129	55	13.3	165.5	9.7	19.2	114.7	472.7	576.6	1 037.7	26.7	12.6	266.4
Wabash	-	73	34	6.6	73.6	5.4	10.3	52.8	171.2	206.4	374.1	12.7	6.7	107.2
Warren	E1	7	1	0.1	0.5	(Z)	0.1	0.3	1.1	3.6	4.7	(D)	(D)	(D)
Warrick	-	39	14	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Washington	-	35	11	2.4	20.0	2.1	3.9	16.2	38.8	40.7	79.9	2.3	2.5	25.4
Wayne	-	138	65	11.1	147.0	8.3	16.8	104.5	294.9	263.7	551.3	25.4	12.4	211.6
Wells	-	38	16	3.3	41.3	2.4	4.6	25.6	97.5	61.4	157.6	9.8	3.0	66.2
White	E1	45	12	2.2	23.0	1.9	3.6	18.0	43.6	60.2	103.8	4.9	2.0	18.2
Whitley	-	53	22	3.2	33.6	2.6	5.1	25.8	62.5	102.9	161.3	3.0	2.8	40.5
CITIES														
Alexandria	-	22	7	0.7	8.8	0.6	1.1	6.4	22.7	24.7	46.3	0.5	(D)	(D)
Anderson	-	67	23	22.2	433.5	17.7	36.0	328.4	920.7	594.9	1 497.1	51.3	23.6	555.1
Angola	-	32	15	1.8	20.4	1.5	3.0	15.4	45.6	63.3	108.4	2.4	1.5	28.6
Attica	-	12	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.9	24.6
Auburn	-	32	9	3.1	44.3	2.3	4.5	30.5	112.9	115.0	227.1	4.6	2.9	59.1
Aurora	-	15	5	0.8	9.1	0.6	1.0	5.3	17.6	15.8	33.0	1.4	0.8	11.7
Batesville	-	12	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Bedford	-	56	18	3.2	48.1	2.7	5.3	38.3	97.2	109.6	207.2	21.0	2.8	43.8
Beech Grove	-	28	9	1.0	10.8	0.8	1.5	6.4	21.8	28.4	49.8	1.8	(D)	(D)
Berne	-	18	12	2.3	23.0	1.7	3.4	14.4	49.0	40.1	86.0	5.1	2.1	30.3
Bloomington	-	69	21	8.4	93.1	7.0	12.6	71.2	388.9	505.8	894.5	8.1	12.0	314.8
Bluffton	-	24	12	2.3	27.4	1.5	2.9	14.5	58.2	41.6	98.9	8.6	(D)	(D)
Brazil	-	18	7	0.7	7.3	0.6	1.1	5.1	15.8	31.8	47.2	(D)	0.6	5.4
Bremen	-	38	16	1.9	21.9	1.5	3.0	14.7	55.0	84.8	135.7	3.1	1.6	26.7
Carmel	-	23	9	0.8	9.3	0.6	1.0	5.2	19.4	17.8	35.9	1.6	(NA)	(NA)
Clarksville	-	16	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Columbia City	-	35	17	2.4	24.2	2.0	3.8	19.1	41.3	89.4	127.6	1.5	1.8	24.5
Columbus	-	61	33	17.1	291.8	11.2	22.6	168.0	712.9	717.7	1 408.6	35.8	15.7	324.6
Connersville	-	32	14	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Corydon	E1	14	2	0.5	4.4	0.4	0.8	3.3	7.9	4.9	12.4	0.2	(D)	(D)
Crawfordsville	-	34	21	4.7	69.0	3.5	7.2	46.5	149.9	144.5	292.2	8.0	4.2	74.0
Decatur	-	28	18	2.9	35.9	2.4	4.7	26.8	91.7	316.0	403.2	11.5	2.4	40.8
Delphi	-	8	4	0.7	7.6	0.6	1.1	5.2	20.8	21.4	41.6	(D)	0.8	12.7
Dunkirk	-	4	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
East Chicago	-	66	45	39.3	755.2	31.6	61.8	582.3	1 616.6	2 174.5	3 762.4	254.6	40.9	948.4
Edinburg	-	16	5	0.9	10.0	0.8	1.6	6.6	23.8	28.4	51.9	3.1	1.0	14.7
Elkhart	-	458	196	22.6	291.8	15.4	28.7	162.8	689.3	665.6	1 346.9	31.3	19.4	458.8
Elwood	-	26	13	1.4	16.3	1.1	2.2	11.9	35.0	35.9	71.7	3.8	1.3	21.2
Evansville	E1	204	85	23.5	302.8	16.4	32.8	192.4	757.9	723.9	1 463.5	49.0	(D)	(D)
Fort Branch	-	6	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Fort Wayne	-	330	129	32.6	515.2	22.0	42.3	313.5	1 214.0	1 685.7	2 891.7	45.9	35.9	672.0
Frankfort	-	32	17	2.1	19.3	1.6	2.8	13.6	59.2	154.7	213.3	3.8	3.6	60.8
Franklin	-	23	12	2.0	23.7	1.5	2.7	16.4	55.7	73.7	128.7	2.1	1.1	22.0
Garrett	-	15	7	0.5	5.1	0.4	0.8	3.6	13.3	8.7	21.8	0.2	0.5	5.8
Gary	-	76	30	30.2	588.3	24.2	46.8	454.0	661.9	2 156.7	2 776.1	(D)	30.4	489.0
Gas City	-	10	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Goshen	-	104	47	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	7.4	89.4
Greencastle	-	12	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Greendale	-	3	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Greenfield	-	26	12	1.6	28.0	0.7	1.7	7.1	29.1	38.5	68.4	(D)	1.3	11.7
Greensburg	-	30	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.4	19.9

See footnotes at end of table.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 manufacturing employees or more. For definitions of SCSSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B.]														
Geographic area	1977												1972	
	E ¹	All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)						
CITIES—Con.														
Greenwood	-	29	5	0.6	7.1	0.5	0.9	5.9	20.1	14.9	34.7	0.5	(D)	(D)
Griffith	-	17	5	0.5	6.8	0.4	0.8	4.8	13.0	7.5	20.1	0.6	0.7	8.6
Hammond	-	110	49	9.1	148.8	6.5	12.7	99.2	391.5	595.3	1 010.8	14.6	10.5	278.4
Hartford City	-	25	7	1.5	18.4	1.2	2.2	12.5	68.3	77.3	143.8	(D)	1.6	47.7
Huntingburg	-	28	11	1.2	9.9	1.0	1.9	6.7	17.0	28.4	45.7	0.7	1.1	14.4
Huntington	E1	50	29	6.7	56.3	3.9	7.2	31.2	134.1	125.5	252.9	5.0	4.1	57.2
Indianapolis	-	1 151	415	90.0	1 449.4	59.4	117.3	862.7	2 891.2	3 160.1	5 976.8	230.1	92.8	1 971.9
Jasper	-	46	33	4.9	52.9	3.8	8.3	36.4	101.7	98.7	199.2	10.6	4.5	69.1
Jeffersonville	-	40	16	2.6	33.6	2.2	4.1	25.8	64.3	106.9	170.3	3.9	2.7	52.6
Kendallville	-	40	23	3.4	37.0	2.7	5.2	26.0	91.1	96.9	187.6	4.0	2.5	39.9
Knox	E1	16	3	0.5	6.7	0.5	0.9	5.0	16.2	16.9	32.8	(D)	(NA)	(NA)
Kokomo	-	81	35	23.8	433.3	18.3	37.5	316.6	775.0	571.5	1 335.9	(D)	23.3	535.0
Lafayette	-	71	37	6.9	106.3	5.1	10.0	71.3	199.1	356.0	532.1	(D)	7.6	204.7
La Porte	-	66	37	7.2	92.3	5.2	10.3	62.1	205.0	163.3	369.0	9.5	7.1	135.1
Lawrence	E1	22	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.3	26.5
Lawrenceburg	-	11	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Lebanon	-	28	12	1.0	12.2	0.7	1.3	6.7	26.0	28.3	53.4	1.2	1.0	13.5
Ligonier	-	20	10	1.1	11.8	0.9	1.7	8.5	26.2	27.8	54.6	2.1	1.7	21.6
Linton	-	9	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	8.1
Logansport	-	60	29	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Lowell	-	4	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Madison	-	28	13	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Marion	-	68	36	13.0	217.9	10.6	22.7	169.5	430.7	544.6	968.7	29.6	13.7	293.6
Martinsville	-	18	4	0.7	4.9	0.6	0.8	3.5	11.0	15.1	23.5	(D)	(NA)	(NA)
Michigan City	-	93	45	8.7	102.8	5.2	9.8	56.0	233.9	267.8	493.4	19.1	8.7	145.7
Mishawaka	-	90	35	7.2	98.7	5.2	10.7	64.7	214.1	162.3	368.8	16.4	7.4	136.7
Mitchell	-	10	4	0.9	9.8	0.8	1.5	7.7	26.7	26.9	52.9	2.4	0.8	19.6
Monticello	-	23	9	1.7	17.6	1.5	2.8	14.6	32.2	36.9	69.1	3.2	1.7	15.3
Mooreville	-	20	7	1.0	10.0	0.9	1.6	7.3	18.7	16.2	34.7	1.4	(NA)	(NA)
Mount Vernon	-	13	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Muncie	-	139	52	9.9	166.0	7.2	15.3	118.1	287.4	403.5	684.6	(D)	15.4	251.1
Munster	-	11	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Nappanee	-	39	18	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.3	19.0
New Albany	-	65	31	3.8	38.8	3.2	6.0	28.3	100.5	124.4	222.6	(D)	4.1	76.6
New Castle	-	37	15	4.9	82.3	4.1	7.3	66.7	132.4	128.9	256.1	(D)	4.3	93.9
Noblesville	-	27	9	2.1	29.0	1.5	2.9	19.1	60.8	64.6	123.8	2.4	2.2	37.3
North Manchester	-	17	11	1.8	15.9	1.6	2.9	12.5	42.8	31.2	70.9	1.8	1.7	22.3
North Vernon	-	20	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Paoli	-	11	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Peru	-	38	18	2.7	25.8	2.1	3.8	17.4	59.7	58.8	118.8	3.4	2.7	41.1
Plymouth	-	49	27	2.0	20.7	1.6	2.9	13.9	56.5	76.0	132.5	4.1	1.7	33.6
Portage	-	14	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Portland	-	22	13	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.0	30.8
Princeton	E1	21	9	1.9	20.5	1.1	2.2	10.3	36.3	31.3	65.7	2.2	1.5	13.6
Rensselaer	-	14	6	1.0	9.4	0.8	1.6	6.9	22.0	24.2	44.8	1.0	(D)	(D)
Richmond	-	97	48	9.2	121.1	6.9	13.8	84.4	248.3	215.4	457.8	22.7	10.5	175.9
Rochester	-	23	13	1.5	14.1	1.2	2.2	10.1	37.2	31.4	67.9	1.1	1.2	14.2
Rushville	-	14	3	0.6	6.6	0.4	0.9	4.5	13.7	18.3	32.5	0.5	0.9	14.0
Salem	-	22	9	2.3	18.9	2.0	3.7	15.6	37.5	36.6	74.5	2.0	2.4	24.3
Seymour	E1	45	22	2.4	25.4	2.0	4.0	18.9	55.1	81.2	135.7	11.6	2.3	40.1
Shelbyville	-	51	26	3.7	40.3	3.0	5.8	28.0	101.5	86.7	186.3	3.3	4.0	65.8
South Bend	-	220	89	18.0	277.1	12.5	23.8	174.6	575.6	731.5	1 331.9	28.2	17.1	321.1
Speedway	-	19	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Tell City	-	23	9	2.4	25.5	2.1	4.4	20.8	55.2	46.8	100.1	2.1	2.9	46.5
Terre Haute	-	102	48	11.9	144.3	8.7	17.5	101.6	406.5	523.8	920.3	22.9	10.7	215.0
Tipton	-	13	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Union City	-	17	8	3.0	41.0	2.6	4.8	33.5	76.2	67.4	142.7	5.7	2.8	44.4
Valparaiso	-	38	12	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Vincennes	-	34	11	1.8	21.8	1.3	2.6	15.3	47.2	51.0	95.9	3.4	2.1	43.9
Wabash	-	44	17	4.0	49.2	3.1	6.0	34.1	109.4	127.9	238.0	7.6	4.1	73.8
Warsaw	-	80	39	5.3	65.1	4.0	7.8	40.1	163.8	124.7	283.2	13.6	6.0	116.3
Washington	-	22	7	1.1	9.8	0.9	1.5	7.6	23.7	42.4	64.9	0.6	1.6	24.5
West Lafayette	-	14	6	1.0	10.8	0.8	1.5	6.6	45.6	21.3	64.9	(D)	0.6	7.1
Whiting	-	7	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.2	62.9
Winchester	-	21	8	2.0	27.6	1.8	3.2	22.3	58.3	40.2	97.6	5.4	2.0	31.4

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E10—100 percent.

²Including central administrative offices and auxiliaries (for definition, see appendix B).

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	All industries -----	-	8 061	3 229	705.9	10 438.9	521.9	1 024.8	7 046.5	22 717.6	29 829.1	52 172.2	2 078.0	703.9	14 111.6
20	Food and kindred products -----	-	555	263	36.2	469.5	24.3	49.2	291.6	1 572.1	3 363.9	4 931.2	223.0	37.0	973.0
201	Meat products -----	-	120	40	7.2	92.1	5.7	11.5	68.2	174.3	822.8	988.3	9.9	5.8	103.4
2011	Meat packing plants -----	-	77	19	3.9	57.2	3.1	6.4	42.7	94.9	623.2	711.5	6.0	3.7	61.7
2013	Sausages and other prepared meats -----	-	22	12	1.7	24.3	1.3	2.6	17.1	57.8	134.4	191.8	3.2	0.9	27.1
2016	Poultry dressing plants -----	-	13	7	1.4	9.5	1.2	2.2	7.5	18.9	57.0	74.4	0.6	EE	(D)
2017	Poultry and egg processing --	-	8	2	0.2	1.1	0.2	0.3	1.0	2.6	8.1	10.6	0.1	(NA)	(NA)
202	Dairy products -----	-	70	42	4.4	57.9	2.0	4.3	23.3	211.4	420.1	631.0	20.2	4.8	129.0
2022	Cheese, natural and processed -----	-	6	5	0.4	4.7	0.3	0.6	3.2	18.5	49.4	68.5	(D)	0.3	8.3
2023	Condensed and evaporated milk -----	-	4	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2024	Ice cream and frozen desserts -----	-	19	9	0.5	6.0	0.3	0.7	3.1	14.1	37.4	51.5	(D)	0.9	12.8
2026	Fluid milk -----	-	38	25	2.3	30.5	1.0	2.1	12.3	103.9	253.4	356.6	7.0	3.1	71.4
203	Preserved fruits and vegetables -----	-	56	33	4.7	43.2	4.0	7.5	33.3	132.7	252.9	385.9	7.8	5.2	105.0
2032	Canned specialties -----	-	9	7	2.3	21.9	2.0	3.9	17.5	75.2	122.7	198.0	1.6	2.4	57.0
2033	Canned fruits and vegetables -----	-	27	16	1.1	8.7	1.0	1.8	7.0	27.6	60.3	87.9	4.2	1.6	24.3
2035	Pickles, sauces, and salad dressings -----	-	10	6	0.8	8.1	0.6	1.1	5.7	15.5	44.4	59.9	1.6	CC	(D)
2038	Frozen specialties -----	-	7	4	0.5	4.2	0.4	0.7	2.9	14.0	25.0	39.0	(D)	0.4	8.8
204	Grain mill products -----	-	79	38	4.5	70.4	3.1	6.6	47.3	319.9	587.0	900.2	142.2	4.9	183.3
2041	Flour and other grain mill products -----	-	16	7	0.5	7.5	0.4	0.9	4.8	23.2	79.7	101.3	2.9	CC	(D)
2045	Blended and prepared flour --	-	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2046	Wet corn milling -----	-	4	4	1.6	30.0	1.2	2.6	21.9	112.0	194.1	302.0	(D)	EE	(D)
2047	Dog, cat, and other pet food --	-	5	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2048	Prepared feeds, n.e.c. -----	-	51	20	0.9	11.7	0.5	0.9	5.3	42.9	190.0	232.9	(D)	1.7	56.8
205	Bakery products -----	-	58	24	4.1	51.4	2.3	4.5	26.0	114.5	93.6	207.5	8.0	4.6	84.5
2051	Bread, cake, and related products -----	-	49	19	3.7	47.2	1.9	3.9	23.1	103.7	82.2	185.6	5.8	FF	(D)
2052	Cookies and crackers -----	-	9	5	0.4	4.2	0.3	0.6	2.8	10.8	11.4	21.9	2.2	AA	(D)
206	Sugar and confectionery products -----	-	23	5	1.3	12.5	1.1	2.0	10.2	56.8	63.8	120.2	1.4	1.6	24.6
2065	Confectionery products -----	-	19	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.5	24.0
207	Fats and oils -----	-	25	16	2.2	34.4	1.7	3.4	24.9	125.8	698.4	819.2	13.4	1.9	81.2
2075	Soybean oil mills -----	-	7	5	0.9	12.3	0.6	1.2	8.0	38.8	530.8	565.0	(D)	CC	(D)
2077	Animal and marine fats and oils -----	-	16	9	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	8.1
2079	Shortening and cooking oils --	-	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
208	Beverages -----	-	65	46	5.9	87.3	3.2	6.8	46.1	342.5	355.2	696.8	17.4	6.4	217.9
2082	Malt beverages -----	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2085	Distilled liquor, except brandy -----	-	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2086	Bottled and canned soft drinks -----	-	51	39	3.4	45.4	1.2	2.2	12.4	131.3	195.2	325.8	11.6	3.2	65.0
2087	Flavoring extracts and sirups, n.e.c. -----	-	6	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
209	Miscellaneous foods and kindred products -----	-	59	19	1.8	20.4	1.3	2.4	12.3	94.3	90.2	182.2	2.8	2.0	44.0
2097	Manufactured ice -----	-	19	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2099	Food preparations, n.e.c. -----	-	35	16	1.6	18.5	1.1	2.1	11.1	89.4	82.7	169.7	2.2	1.6	40.4
22	Textile mill products --	-	19	6	1.1	11.9	0.9	1.9	8.6	30.0	32.6	62.3	2.2	0.9	13.9
227	Floor covering mills -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2272	Tufted carpets and rugs -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
229	Miscellaneous textile goods ---	-	11	4	0.7	8.3	0.6	1.2	6.0	20.8	24.3	44.4	(D)	CC	(D)
2293	Paddings and upholstery filling -----	-	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
23	Apparel and other textile products -----	-	186	89	12.6	94.6	10.9	19.0	67.7	182.7	228.7	419.0	7.4	12.8	119.2
2311	Men's and boys' suits and coats -----	-	8	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.8	6.0
232	Men's and boys' furnishings ---	-	31	20	4.7	35.4	4.1	7.9	25.3	71.3	97.0	175.3	(D)	5.4	45.5
2321	Men's and boys' shirts and nightwear -----	E2	6	5	1.2	7.1	1.1	2.2	6.0	10.9	14.8	25.3	(D)	1.2	8.9
2327	Men's and boys' separate trousers -----	E1	7	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2328	Men's and boys' work clothing -----	-	12	10	1.9	13.0	1.8	3.5	10.8	31.8	38.7	71.7	0.4	1.8	11.5
2329	Men's and boys' clothing, n.e.c. -----	E2	5	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]															
SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
23	Apparel and other textile products—Con.														
233	Women's and misses' outerwear -----	-	23	15	1.5	10.4	1.4	2.4	8.4	20.5	14.2	35.0	(D)	2.4	18.0
2335	Women's and misses' dresses -----	-	9	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.7	5.1
2337	Women's and misses' suits and coats -----	-	7	4	0.5	3.2	0.4	0.7	2.4	5.4	4.8	10.1	(D)	0.7	4.8
2339	Women's and misses' outerwear, n.e.c. -----	-	6	5	0.6	3.9	0.5	0.9	3.4	9.8	7.9	18.1	(D)	CC	(D)
234	Women's and children's undergarments -----	-	5	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2341	Women's and children's underwear -----	-	4	4	0.2	1.5	0.2	0.4	1.1	3.0	1.8	4.8	(D)	BB	(D)
2342	Brassieres and allied garments -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
238	Miscellaneous apparel and accessories -----	-	9	5	0.6	4.1	0.5	0.9	3.2	8.0	11.3	19.2	(D)	0.5	5.8
2381	Fabric dress and work gloves -----	-	3	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2385	Waterproof outer garments --	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
239	Miscellaneous fabricated textile products -----	-	104	36	4.0	32.0	3.3	5.4	21.3	62.9	91.4	155.3	(D)	2.8	32.2
2391	Curtains and draperies -----	-	39	12	1.4	9.9	1.1	1.9	7.2	17.3	26.7	44.9	0.3	1.4	14.6
2392	House furnishings, n.e.c. -----	-	17	7	0.8	5.9	0.6	1.2	4.2	10.7	10.9	21.6	(D)	0.5	6.1
2394	Canvas and related products -----	-	21	7	0.7	5.9	0.6	1.0	4.0	10.1	11.4	21.5	0.4	0.5	5.4
2399	Fabricated textile products, n.e.c. -----	-	13	8	1.1	9.0	0.8	1.1	4.9	23.0	39.3	62.6	(D)	0.3	4.3
24	Lumber and wood products -----	-	597	221	20.6	215.3	16.8	31.7	150.3	432.9	649.1	1 074.8	29.1	21.9	349.7
2411	Logging camps and logging contractors -----	E5	74	2	0.3	2.8	0.2	0.4	2.3	5.4	9.4	14.8	1.2	(NA)	(NA)
242	Sawmills and planing mills -----	E1	190	34	2.3	20.1	2.0	3.7	14.5	39.7	58.6	98.0	6.6	1.9	24.4
2421	Sawmills and planing mills, general -----	E1	161	23	1.6	14.4	1.4	2.6	10.2	30.0	44.7	74.2	5.6	1.1	16.7
2426	Hardwood dimension and flooring -----	-	25	10	0.7	5.4	0.6	1.1	4.1	9.5	12.6	22.0	(D)	CC	(D)
243	Millwork, plywood, and structural members -----	-	187	84	9.7	96.9	8.1	15.8	70.7	201.1	239.6	435.9	12.9	9.0	143.7
2431	Millwork -----	-	52	18	1.5	14.8	1.2	2.3	10.1	33.3	70.2	103.1	1.8	2.5	37.1
2434	Wood kitchen cabinets -----	-	89	36	4.9	50.9	4.2	7.8	38.6	106.8	93.5	196.8	4.6	3.7	68.3
2435	Hardwood veneer and plywood -----	-	27	22	2.7	25.3	2.3	4.9	18.0	47.8	59.3	106.5	5.6	2.3	30.0
2439	Structural wood members, n.e.c. -----	-	19	8	0.5	6.0	0.4	0.8	3.9	13.1	16.5	29.5	0.9	0.5	8.3
244	Wood containers -----	E1	79	16	1.1	8.6	1.0	1.7	6.4	16.5	18.9	35.3	0.6	0.9	7.9
2441	Nailed wood boxes and shooks -----	-	8	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2448	Wood pallets and skids -----	E1	68	12	0.7	6.1	0.6	1.1	4.4	12.1	13.1	25.2	0.5	0.5	4.1
245	Wood buildings and mobile homes -----	-	81	58	5.2	69.2	3.8	7.2	44.8	127.4	283.2	409.7	(D)	8.1	149.8
2451	Mobile homes -----	-	51	42	3.6	48.2	2.7	5.1	33.3	87.3	217.4	304.0	(D)	6.1	114.4
2452	Prefabricated wood buildings -----	-	30	16	1.6	20.9	1.1	2.1	11.4	40.1	65.8	105.6	1.5	2.0	35.4
249	Miscellaneous wood products --	-	86	27	2.0	17.7	1.6	2.9	11.7	42.9	39.5	81.0	2.2	1.9	22.5
2491	Wood preserving -----	E1	9	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2499	Wood products, n.e.c. -----	-	75	21	1.7	14.4	1.3	2.4	9.6	34.5	27.8	61.8	1.4	1.6	18.1
25	Furniture and fixtures -----	-	242	128	22.5	224.5	18.5	36.3	164.7	400.2	389.5	783.8	18.9	22.4	275.8
251	Household furniture -----	-	132	74	15.7	152.6	13.3	25.9	118.2	249.0	274.1	521.3	11.7	17.4	206.5
2511	Wood household furniture -----	-	75	34	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	5.6	68.2
2512	Upholstered household furniture -----	-	26	18	2.2	19.8	1.7	3.2	14.7	33.6	38.1	71.6	0.8	2.7	33.1
2514	Metal household furniture -----	-	6	5	1.5	12.9	1.2	2.2	9.0	32.9	31.1	62.7	0.5	2.2	26.7
2515	Mattresses and bedsprings -----	-	14	7	1.2	13.4	0.8	1.6	8.8	14.3	25.6	42.1	0.4	2.0	24.4
2517	Wood TV and radio cabinets -----	-	9	8	4.2	40.5	3.7	7.5	33.8	65.0	63.8	128.7	6.5	FF	(D)
2519	Household furniture, n.e.c. -----	-	2	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
252	Office furniture -----	-	22	19	3.2	32.1	2.6	5.4	24.0	62.9	47.6	108.5	3.3	2.4	31.9
2521	Wood office furniture -----	-	17	15	2.2	22.3	1.9	3.9	16.9	46.7	35.6	81.0	3.0	1.4	19.5
2522	Metal office furniture -----	-	5	4	1.0	9.9	0.7	1.4	7.1	16.2	12.0	27.5	0.2	1.0	12.4
2531	Public building and related furniture -----	-	18	10	0.7	5.9	0.6	1.0	4.1	9.6	13.0	22.5	0.4	0.8	9.5
254	Partitions and fixtures -----	-	49	16	1.6	16.3	1.2	2.3	10.7	34.7	30.6	63.8	2.5	1.6	25.5
2541	Wood partitions and fixtures -----	E2	39	7	0.5	5.0	0.4	0.7	3.3	10.5	8.9	19.3	1.2	0.5	7.8
2542	Metal partitions and fixtures -----	-	10	9	1.1	11.3	0.8	1.6	7.4	24.2	21.6	44.5	1.2	1.0	17.7
259	Miscellaneous furniture and fixtures -----	-	21	9	1.3	17.5	0.8	1.8	7.7	44.0	24.2	67.6	1.1	0.2	2.4
2599	Furniture and fixtures, n.e.c. -----	-	13	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B															
SIC code	Industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
26	Paper and allied products -----	-	179	121	13.5	168.7	10.2	20.3	112.7	386.9	528.1	910.7	26.2	13.0	224.7
2631	Paperboard mills -----	-	10	10	1.2	17.0	0.9	1.9	12.1	51.9	57.3	109.1	7.8	EE	(D)
264	Miscellaneous converted paper products -----	-	74	42	5.6	69.7	4.2	8.5	46.4	159.2	213.5	370.0	9.2	4.6	88.3
2641	Paper coating and glazing -----	-	11	5	0.8	10.1	0.5	1.0	6.0	25.0	42.9	66.5	1.4	0.6	14.2
2642	Envelopes -----	-	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2643	Bags, except textile bags -----	-	16	11	1.7	18.7	1.3	2.7	12.7	44.0	61.3	105.2	1.7	1.1	15.5
2645	Die-cut paper and board -----	-	5	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2646	Pressed and molded pulp goods -----	-	3	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2647	Sanitary paper products -----	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2648	Stationery products -----	-	6	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2649	Converted paper products, n.e.c. -----	-	27	14	1.0	10.7	0.8	1.6	7.5	27.6	38.0	64.5	2.3	0.8	12.7
265	Paperboard containers and boxes -----	-	91	66	6.5	79.6	4.9	9.5	52.2	171.2	251.7	421.4	9.0	7.0	108.9
2651	Folding paperboard boxes -----	-	17	11	1.4	16.3	1.1	2.2	11.5	33.1	34.6	66.8	3.4	1.6	25.3
2652	Setup paperboard boxes -----	E7	4	3	0.3	2.2	0.2	0.4	1.3	3.8	2.0	5.8	(D)	BB	(D)
2653	Corrugated and solid fiber boxes -----	-	56	41	3.9	50.2	2.8	5.5	31.7	106.3	157.2	263.0	4.2	4.0	59.8
2654	Sanitary food containers -----	-	5	4	0.5	4.6	0.4	0.7	3.2	12.0	35.0	46.8	0.6	0.5	9.5
2655	Fiber cans, drums, and similar products -----	-	9	7	0.5	6.3	0.4	0.7	4.5	16.0	22.9	38.9	(D)	CC	(D)
27	Printing and publishing -----	-	984	214	26.1	323.5	15.7	29.3	188.8	712.6	377.2	1 085.5	42.0	26.9	447.5
2711	Newspapers -----	-	227	72	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	9.3	151.9
2721	Periodicals -----	E1	34	9	0.6	5.6	0.2	0.2	1.1	10.1	11.4	21.1	0.5	0.5	8.6
273	Books -----	-	48	20	4.6	66.7	3.1	6.1	43.5	152.5	75.1	226.7	4.0	5.0	82.4
2731	Book publishing -----	-	23	8	1.0	14.5	0.2	0.4	3.4	34.8	19.8	52.5	(D)	CC	(D)
2732	Book printing -----	-	25	12	3.5	52.2	2.9	5.7	40.1	117.7	55.4	174.1	(D)	FF	(D)
2741	Miscellaneous publishing -----	-	31	5	1.1	11.3	0.3	0.5	4.0	43.5	20.9	64.1	0.2	0.9	25.7
275	Commercial printing -----	-	546	78	7.6	97.7	5.7	11.0	69.0	203.1	153.0	354.8	17.2	8.0	134.8
2751	Commercial printing, letterpress -----	E2	294	25	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.8	34.0
2752	Commercial printing, lithographic -----	E1	229	47	3.5	47.6	2.5	4.8	31.5	85.7	53.2	138.2	5.0	FF	(D)
2753	Engraving and plate printing -----	-	15	4	0.2	2.4	0.2	0.3	1.4	4.3	1.6	5.8	0.1	0.2	2.5
2754	Commercial printing, gravure -----	-	8	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2761	Manifold business forms -----	-	11	6	0.8	10.5	0.6	1.2	7.1	31.9	22.5	53.8	(D)	0.7	16.5
2771	Greeting card publishing -----	-	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
278	Blankbooks and bookbinding -----	-	20	10	1.3	12.0	1.1	2.0	8.6	22.4	7.5	29.6	2.4	EE	(D)
2782	Blankbooks and looseleaf binders -----	-	8	4	0.5	4.8	0.4	0.8	3.5	10.9	4.4	15.2	(D)	0.5	7.4
2789	Bookbinding and related work -----	-	12	6	0.8	7.2	0.7	1.2	5.1	11.5	3.2	14.4	(D)	CC	(D)
279	Printing trade services -----	E1	65	12	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.8	11.6
2791	Typesetting -----	E1	47	6	0.6	7.4	0.5	0.9	5.5	11.8	3.2	14.9	0.8	0.6	7.2
2795	Lithographic platemaking services -----	-	11	4	0.2	2.7	0.1	0.2	1.8	4.9	2.2	7.0	0.3	(NA)	(NA)
28	Chemicals and allied products -----	-	245	89	25.4	455.7	11.0	21.7	159.7	1 853.8	1 344.1	3 150.3	160.4	24.8	1 244.8
281	Industrial inorganic chemicals -----	-	32	12	1.0	16.6	0.7	1.5	10.9	93.5	124.0	212.8	28.9	0.9	54.8
2813	Industrial gases -----	-	16	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2819	Industrial inorganic chemicals, n.e.c. -----	-	14	6	0.6	9.7	0.4	0.9	6.5	30.6	70.9	101.2	(D)	0.4	16.6
282	Plastics materials and synthetics -----	-	8	7	1.4	23.6	1.1	2.4	15.4	205.8	119.2	323.3	(D)	1.4	126.9
2821	Plastics materials and resins -----	-	8	7	1.4	23.6	1.1	2.4	15.4	205.8	119.2	323.3	(D)	EE	(D)
283	Drugs -----	-	31	16	15.1	291.2	4.6	8.8	67.4	952.9	462.1	1 373.1	72.1	14.4	682.2
2831	Biological products -----	-	8	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2833	Medicinals and botanicals -----	-	4	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2834	Pharmaceutical preparations -----	-	19	8	13.1	263.3	3.9	7.5	57.7	838.3	385.3	1 180.9	(D)	13.4	677.8
284	Soaps, cleaners, and toilet goods -----	-	35	14	3.1	49.9	1.9	3.5	27.4	253.4	224.6	478.5	5.4	3.0	176.0
2841	Soap and other detergents -----	-	9	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2842	Polishes and sanitation goods -----	E1	19	5	0.8	8.8	0.3	0.5	1.6	22.1	17.4	39.4	(D)	CC	(D)
2844	Toilet preparations -----	E1	6	3	0.2	1.8	0.2	0.3	1.2	3.9	3.8	7.6	(D)	(NA)	(NA)
2851	Paints and allied products -----	-	32	11	1.3	18.8	0.7	1.3	7.3	46.9	57.9	105.3	2.1	1.3	28.8
286	Industrial organic chemicals -----	-	7	3	0.8	15.2	0.6	1.1	10.0	72.2	80.0	154.7	(D)	1.1	41.0
2869	Industrial organic chemicals, n.e.c. -----	-	6	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]															
SIC code	Industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital ex- penditures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
28	Chemicals and allied products—Con.														
287	Agricultural chemicals -----	-	50	10	1.7	29.3	1.0	1.9	15.0	188.5	197.3	383.5	15.8	1.9	116.4
2875	Fertilizers, mixing only -----	-	41	6	0.5	5.6	0.4	0.6	2.8	20.2	58.6	76.6	(D)	CC	(D)
2879	Agricultural chemicals, n.e.c. -	-	5	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
289	Miscellaneous chemical products -----	-	50	16	0.9	11.2	0.6	1.1	6.3	40.6	78.8	119.3	3.2	0.7	18.6
2893	Printing ink -----	-	7	6	0.2	2.8	0.1	0.3	1.6	9.9	19.2	28.8	(D)	(NA)	(NA)
2899	Chemical preparations, n.e.c. -----	-	34	8	0.6	6.6	0.3	0.6	3.6	25.6	49.6	75.2	1.9	CC	(D)
29	Petroleum and coal products -----	-	57	21	4.2	85.0	2.9	6.2	58.1	324.5	2 449.2	2 727.3	97.2	6.2	211.8
2911	Petroleum refining -----	-	9	7	3.2	69.3	2.1	4.5	46.4	279.3	2 361.3	2 594.7	94.0	5.2	183.8
295	Paving and roofing materials ---	-	36	13	0.9	15.0	0.7	1.5	10.8	38.7	74.4	112.7	2.6	0.9	26.2
2951	Paving mixtures and blocks ---	-	30	8	0.5	10.1	0.4	0.8	7.0	23.1	36.8	59.8	(D)	0.7	19.1
2952	Asphalt felts and coatings ---	-	6	5	0.3	4.9	0.3	0.7	3.8	15.6	37.6	52.9	(D)	0.2	7.1
30	Rubber and miscellaneous plastics products -----	-	383	204	33.0	394.7	26.2	51.3	280.4	858.2	858.9	1 706.6	72.6	31.0	497.5
3011	Tires and inner tubes -----	-	5	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3021	Rubber and plastics footwear --	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3069	Fabricated rubber products, n.e.c. -----	-	54	34	10.4	135.8	7.9	15.3	94.9	273.5	264.9	536.4	17.4	11.0	172.5
3079	Miscellaneous plastics products -----	-	317	163	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	16.4	244.4
31	Leather and leather products -----	-	31	18	2.6	17.5	2.2	4.2	14.8	33.5	26.8	60.2	0.4	EE	(D)
3131	Boot and shoe cut stock and findings -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
314	Footwear, except rubber -----	-	6	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3144	Women's footwear, except athletic -----	-	5	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3151	Leather gloves and mittens ----	-	3	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	1.5
3161	Luggage -----	-	8	7	0.7	4.7	0.6	1.1	3.7	7.1	5.2	12.2	(D)	BB	(D)
32	Stone, clay, and glass products -----	-	523	154	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	24.1	469.7
322	Glass and glassware, pressed or blown -----	-	21	11	7.6	104.2	6.7	12.9	87.7	220.8	154.6	373.3	17.8	8.9	175.3
3221	Glass containers -----	-	9	9	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	6.6	118.7
3229	Pressed and blown glass, n.e.c. -----	-	12	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.3	56.6
3231	Products of purchased glass ---	-	24	7	1.0	10.9	0.8	1.6	8.1	21.1	17.9	38.8	1.0	0.9	13.6
3241	Cement, hydraulic -----	-	6	5	1.0	17.7	0.8	1.6	14.0	47.8	51.6	101.1	14.8	0.6	33.1
325	Structural clay products -----	-	21	11	0.9	10.1	0.7	1.4	7.7	24.2	13.9	39.0	1.0	1.2	13.2
3251	Brick and structural clay tile -	-	10	6	0.5	5.2	0.5	0.9	4.5	10.6	6.1	16.9	0.5	CC	(D)
3259	Structural clay products, n.e.c. -----	-	6	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
326	Pottery and related products ---	-	12	4	0.5	6.0	0.4	0.8	5.1	12.4	9.0	21.6	(D)	0.6	9.7
3261	Vitreous plumbing fixtures ---	-	4	3	0.5	5.7	0.4	0.8	4.9	11.8	8.8	20.8	(D)	0.5	8.8
327	Concrete, gypsum, and plaster products -----	E1	345	75	5.2	71.5	3.8	7.4	46.8	167.2	187.8	353.1	17.8	5.5	119.2
3271	Concrete block and brick ---	E1	41	12	0.7	9.0	0.4	0.8	4.3	19.9	22.2	41.7	2.4	0.7	13.8
3272	Concrete products, n.e.c. ---	E1	142	24	1.7	19.3	1.2	2.3	12.2	39.6	32.2	70.6	(D)	1.8	30.7
3273	Ready-mixed concrete -----	-	158	35	2.3	34.3	1.7	3.3	23.0	75.0	91.4	166.1	10.6	2.3	50.0
3275	Gypsum products -----	-	3	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3281	Cut stone and stone products -	E1	35	9	0.7	7.0	0.6	1.2	5.8	12.9	4.5	17.2	0.4	CC	(D)
329	Miscellaneous nonmetallic mineral products -----	-	58	31	6.3	74.7	5.1	10.2	56.8	183.7	128.4	311.9	15.4	5.3	94.4
3291	Abrasive products -----	-	8	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3292	Asbestos products -----	-	4	3	0.8	8.6	0.5	1.0	6.2	17.8	13.7	30.6	0.8	CC	(D)
3293	Gaskets, packing, and sealing devices -----	-	16	10	2.6	28.7	2.2	4.4	21.7	49.2	26.6	75.5	2.5	1.6	25.0
3295	Minerals, ground or treated --	-	9	2	0.3	5.9	0.2	0.5	4.8	10.8	11.3	21.9	1.2	0.3	8.9
3296	Mineral wool -----	-	10	10	1.9	23.2	1.6	3.2	17.9	69.5	51.4	121.6	9.0	2.1	30.5
3297	Nonclay refractories -----	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3299	Nonmetallic mineral products, n.e.c. -----	-	9	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977												1972	
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
33	Primary metal industries -----	-	283	184	102.3	1 899.3	81.1	160.5	1 439.1	3 301.9	7 140.9	10 411.0	515.2	102.5	2 192.0
331	Blast furnace and basic steel products -----	-	41	29	67.9	1 365.7	53.3	103.6	1 032.1	2 115.5	4 609.1	6 747.0	397.8	66.5	1 370.4
3312	Blast furnaces and steel mills -----	-	18	11	63.3	1 282.3	49.8	96.4	971.6	1 938.9	4 231.1	6 203.0	385.6	62.6	1 280.0
3315	Steel wire and related products -----	-	12	7	1.4	20.3	1.1	2.2	14.6	44.5	56.3	100.0	2.8	1.0	20.7
3316	Cold finishing of steel shapes -----	-	5	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3317	Steel pipe and tubes -----	-	6	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
332	Iron and steel foundries -----	-	68	57	12.5	178.2	10.5	20.6	139.1	336.4	211.5	539.7	27.8	13.9	224.5
3321	Gray iron foundries -----	-	56	47	9.3	136.7	7.8	15.2	107.2	258.6	163.7	416.6	23.8	9.3	159.7
3322	Malleable iron foundries -----	-	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3324	Steel investment foundries -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3325	Steel foundries, n.e.c. -----	-	8	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.2	43.5
333	Primary nonferrous metals -----	-	3	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3334	Primary aluminum -----	-	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3341	Secondary nonferrous metals -----	-	15	10	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.7	11.1
335	Nonferrous rolling and drawing -----	-	50	42	14.2	230.2	11.1	23.7	172.8	491.6	1 801.3	2 247.9	42.8	14.3	415.0
3351	Copper rolling and drawing -----	-	7	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3353	Aluminum sheet, plate, and foil -----	-	2	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3354	Aluminum extruded products -----	-	13	11	2.7	44.1	2.2	4.5	34.0	75.5	150.1	202.2	3.0	2.6	41.1
3356	Nonferrous rolling and drawing, n.e.c. -----	-	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3357	Nonferrous wire drawing and insulating -----	-	26	23	6.0	79.3	4.6	10.1	59.1	186.1	627.5	809.8	(D)	5.9	151.9
336	Nonferrous foundries -----	-	59	29	4.2	64.4	3.5	6.9	51.1	119.5	154.6	274.4	(D)	4.0	67.5
3361	Aluminum foundries -----	-	36	19	2.6	44.5	2.2	4.4	35.7	85.0	113.8	198.4	(D)	2.4	43.1
3362	Brass, bronze, and copper foundries -----	-	17	8	0.5	6.0	0.4	0.8	4.3	12.8	12.3	25.0	0.7	CC	(D)
3369	Nonferrous foundries, n.e.c. -----	-	6	2	1.1	13.9	0.9	1.8	11.1	21.8	28.5	50.9	3.2	EE	(D)
339	Miscellaneous primary metal products -----	-	47	16	1.0	14.0	0.7	1.5	8.3	41.3	65.2	104.8	(D)	EE	(D)
3398	Metal heat treating -----	-	32	12	0.7	9.6	0.5	1.1	5.7	26.7	23.0	47.8	2.4	CC	(D)
3399	Primary metal products, n.e.c. -----	-	15	4	0.3	4.5	0.2	0.4	2.5	14.7	42.2	57.0	(D)	CC	(D)
34	Fabricated metal products -----	-	931	449	52.0	862.2	40.3	96.7	615.9	1 937.5	2 134.5	4 039.0	102.9	66.5	1 117.2
341	Metal cans and shipping containers -----	-	11	10	2.3	41.9	1.9	4.2	34.6	186.6	255.7	441.8	(D)	2.0	44.6
3411	Metal cans -----	-	9	9	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3412	Metal barrels, drums, and pails -----	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
342	Cutlery, hand tools, and hardware -----	-	61	29	5.2	61.7	4.2	8.4	44.0	141.3	131.1	270.7	7.5	4.6	78.7
3423	Hand and edge tools, n.e.c. -----	-	21	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3429	Hardware, n.e.c. -----	-	39	21	4.0	45.2	3.2	6.2	31.4	110.3	104.3	211.6	6.1	3.1	58.1
343	Plumbing and heating, except electric -----	-	22	14	3.9	47.3	3.0	5.9	32.1	145.3	151.1	295.0	7.1	7.7	151.1
3431	Metal sanitary ware -----	-	5	3	0.6	6.4	0.5	1.0	5.0	10.9	14.7	25.8	(D)	CC	(D)
3432	Plumbing fittings and brass goods -----	-	5	5	1.5	16.5	1.3	2.5	13.0	75.1	67.8	141.6	(D)	EE	(D)
3433	Heating equipment, except electric -----	-	12	6	1.7	24.3	1.2	2.4	14.1	59.3	68.7	127.6	2.4	5.3	91.2
344	Fabricated structural metal products -----	-	281	130	12.9	178.4	9.1	17.8	112.2	379.8	484.3	842.6	17.0	13.8	227.1
3441	Fabricated structural metal -----	-	55	31	3.0	42.1	2.1	4.1	26.6	88.4	102.3	175.0	3.7	4.0	51.5
3442	Metal doors, sash, and trim -----	-	39	20	1.9	19.8	1.3	2.4	11.0	41.3	56.8	96.3	2.0	2.6	30.6
3443	Fabricated plate work (boiler shops) -----	-	52	24	3.6	55.9	2.5	5.0	35.0	122.5	128.2	248.6	4.5	3.1	65.6
3444	Sheet metal work -----	-	91	41	2.7	35.9	2.1	4.0	24.6	78.5	118.0	195.2	4.5	2.3	43.1
3446	Architectural metal work -----	-	22	6	0.4	5.9	0.3	0.5	2.9	13.2	12.3	25.0	1.3	BB	(D)
3448	Prefabricated metal buildings -----	-	14	5	0.8	11.6	0.6	1.2	8.4	23.1	37.4	60.7	0.7	EE	(D)
3449	Miscellaneous metal work -----	-	8	3	0.5	7.2	0.3	0.5	3.7	12.8	29.2	41.9	0.4	0.4	5.1
345	Screw machine products, bolts, etc. -----	-	88	44	3.7	46.6	3.0	6.0	34.3	91.8	72.3	168.3	5.2	FF	(D)
3451	Screw machine products -----	-	65	30	2.2	27.4	1.8	3.8	20.9	46.6	31.5	77.5	2.6	EE	(D)
3452	Bolts, nuts, rivets, and washers -----	-	23	14	1.5	19.2	1.1	2.2	13.4	45.1	40.7	90.7	2.5	1.0	25.1
346	Metal forgings and stampings -----	-	118	74	16.6	273.6	13.7	28.1	215.0	536.4	631.8	1 163.1	35.4	16.1	305.7
3462	Iron and steel forgings -----	-	9	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3463	Nonferrous forgings -----	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3465	Automotive stampings -----	-	32	28	9.6	181.6	8.1	17.4	148.5	354.5	411.6	762.4	25.8	8.9	186.8
3466	Crowns and closures -----	-	4	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3469	Metal stampings, n.e.c. -----	-	71	36	3.4	39.5	2.6	5.1	27.0	75.1	72.7	146.5	3.7	3.3	46.5
347	Metal services, n.e.c. -----	-	145	52	3.8	45.8	3.1	6.4	33.8	102.5	72.2	172.9	10.1	3.1	49.4
3471	Plating and polishing -----	E1	108	37	2.1	21.3	1.8	3.4	15.3	36.9	17.7	54.7	(D)	2.0	27.1
3479	Metal coating and allied services -----	-	37	15	1.7	24.5	1.4	2.9	18.5	65.5	54.5	118.2	(D)	1.1	22.3

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B)															
SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
34	Fabricated metal products—Con.														
348	Ordnance and accessories, n.e.c. -----	-	10	4	1.7	22.3	1.0	2.2	10.5	41.1	5.3	46.6	(D)	FF	(D)
3483	Ammunition, except for small arms, n.e.c. -----	-	3	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
349	Miscellaneous fabricated metal products -----	-	195	92	11.8	144.5	9.2	17.7	99.4	312.8	330.8	638.0	16.2	9.7	162.8
3493	Steel springs, except wire -----	-	7	7	1.7	24.9	1.4	2.7	19.4	48.7	60.4	107.4	1.8	0.6	12.0
3494	Valves and pipe fittings -----	-	31	19	3.8	47.0	3.0	5.7	32.4	111.9	100.3	209.8	4.9	3.1	56.8
3495	Wire springs -----	-	15	14	1.1	12.3	0.9	1.7	9.2	27.1	32.9	60.1	1.8	1.6	25.8
3496	Miscellaneous fabricated wire products -----	-	35	15	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.2	26.4
3497	Metal foil and leaf -----	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3498	Fabricated pipe and fittings -----	E1	15	8	0.5	5.3	0.4	0.8	3.9	7.7	16.0	24.7	0.6	0.6	6.3
3499	Fabricated metal products, n.e.c. -----	-	90	27	3.3	38.3	2.4	4.7	23.9	75.8	60.0	134.2	3.6	2.6	35.5
35	Machinery, except electrical -----	-	1 386	415	73.7	1 111.1	51.8	103.6	703.7	2 404.1	1 893.3	4 234.6	137.8	68.6	1 305.0
351	Engines and turbines -----	-	11	9	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3519	Internal combustion engines, n.e.c. -----	-	10	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
352	Farm and garden machinery -----	-	78	37	5.4	75.5	3.9	7.5	49.9	188.8	182.8	380.2	8.8	5.4	105.4
3523	Farm machinery and equipment -----	-	68	30	4.4	64.4	3.1	6.2	43.7	154.1	143.9	304.4	8.4	FF	(D)
3524	Lawn and garden equipment -----	-	10	7	1.0	11.1	0.7	1.3	6.2	34.7	38.8	75.8	0.4	EE	(D)
353	Construction and related machinery -----	-	80	40	6.5	93.7	4.2	8.3	56.0	226.8	202.9	426.3	8.9	6.4	130.3
3531	Construction machinery -----	-	22	14	3.7	56.6	2.5	5.0	37.6	155.5	131.7	286.5	6.8	4.3	88.8
3534	Elevators and moving stairways -----	-	6	4	1.0	13.1	0.5	1.1	5.8	25.3	26.5	50.6	0.5	1.1	25.4
3535	Conveyors and conveying equipment -----	-	19	9	0.6	9.0	0.3	0.7	4.0	17.1	14.4	30.9	0.5	(NA)	(NA)
3536	Hoists, cranes, and monorails -----	-	12	6	0.7	9.3	0.4	0.8	5.0	16.2	16.0	31.6	0.2	0.3	4.2
3537	Industrial trucks and tractors -----	-	16	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	6.9
354	Metalworking machinery -----	-	480	144	10.3	159.8	7.8	17.0	109.1	278.7	126.9	396.9	17.7	8.3	135.0
3541	Machine tools, metal cutting types -----	-	25	8	1.4	22.3	0.9	2.2	14.1	39.3	20.2	56.7	1.2	0.9	13.1
3542	Machine tools, metal forming types -----	-	11	7	0.6	8.3	0.4	0.8	4.9	18.1	14.0	31.0	(D)	0.5	9.4
3544	Special dies, tools, jigs, and fixtures -----	E1	379	100	6.5	101.7	5.2	11.2	73.1	165.0	61.5	223.2	12.3	5.9	94.7
3545	Machine tool accessories -----	E1	41	14	0.9	11.5	0.7	1.3	7.7	22.4	10.2	32.3	1.3	0.7	10.2
3549	Metalworking machinery, n.e.c. -----	-	20	12	0.8	13.6	0.5	1.2	7.7	24.4	17.1	40.9	1.8	BB	(D)
355	Special industry machinery -----	-	89	30	4.0	58.2	2.6	5.7	34.3	133.7	78.8	209.6	6.1	FF	(D)
3551	Food products machinery -----	-	15	6	0.8	11.4	0.5	1.1	7.4	28.1	21.0	50.0	1.8	CC	(D)
3553	Woodworking machinery -----	-	9	3	0.2	2.7	0.1	0.3	1.5	5.8	4.3	10.3	0.3	BB	(D)
3559	Special industry machinery, n.e.c. -----	-	50	14	2.8	40.3	1.7	3.9	23.0	92.1	49.6	138.0	2.9	4.1	76.5
356	General industrial machinery -----	-	139	63	20.4	290.1	14.0	26.9	183.7	591.4	429.4	986.2	41.5	18.2	344.1
3561	Pumps and pumping equipment -----	-	12	5	1.1	14.4	0.6	1.1	6.4	34.8	33.8	68.0	1.4	1.4	25.8
3562	Ball and roller bearings -----	-	11	10	3.4	46.7	2.4	4.5	28.9	101.2	65.9	161.7	7.1	4.8	95.9
3563	Air and gas compressors -----	-	5	4	3.2	43.7	1.6	3.5	23.6	89.7	107.0	185.4	(D)	EE	(D)
3564	Blowers and fans -----	-	14	8	2.1	28.4	1.5	2.9	19.0	54.6	40.6	94.8	3.5	1.8	32.2
3565	Industrial patterns -----	E1	36	6	0.4	7.9	0.3	0.7	6.3	12.9	2.9	15.6	0.4	BB	(D)
3566	Speed changers, drives, and gears -----	-	9	7	2.6	40.8	1.9	3.7	26.8	81.9	48.9	130.0	7.2	2.4	48.4
3567	Industrial furnaces and ovens -----	-	11	3	0.8	10.9	0.6	1.1	6.8	21.6	12.6	33.4	(D)	CC	(D)
3568	Power transmission equipment, n.e.c. -----	-	8	7	5.8	83.3	4.4	7.9	57.6	163.2	93.2	243.0	11.3	4.6	78.9
3569	General industrial machinery, n.e.c. -----	-	33	13	1.1	14.1	0.8	1.5	8.5	31.5	24.5	54.2	1.1	0.8	15.9
357	Office and computing machines -----	E2	11	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	2.8
358	Refrigeration and service machinery -----	-	58	20	7.0	93.1	5.1	9.8	58.2	214.0	233.5	447.4	11.7	6.9	125.2
3585	Refrigeration and heating equipment -----	-	18	11	5.2	71.3	3.9	7.8	46.2	164.5	193.3	355.0	9.7	4.7	88.3
3586	Measuring and dispensing pumps -----	-	4	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3589	Service industry machinery, n.e.c. -----	-	30	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
359	Miscellaneous machinery, except electrical -----	E1	440	68	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	7.0	113.2
3592	Carburetors, pistons, rings, and valves -----	-	7	6	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3599	Machinery, except electrical, n.e.c. -----	E2	433	62	4.5	57.6	3.6	6.9	39.8	102.7	58.5	161.2	8.4	FF	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry		1977											1972		
			E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
				Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
36	Electric and electronic equipment -	-		329	186	107.1	1 538.2	86.9	168.5	1 146.3	3 592.7	2 793.8	6 325.8	200.1	116.4	2 324.5
361	Electric distributing equipment -	-		13	8	4.6	59.3	3.4	6.2	39.1	153.3	93.3	245.4	4.8	5.3	94.3
3612	Transformers -	-		4	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3613	Switchgear and switchboard apparatus -	-		9	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
362	Electrical industrial apparatus -	-		51	37	12.3	151.3	9.8	19.1	108.0	325.5	208.3	525.0	17.8	14.3	217.6
3621	Motors and generators -	-		21	17	8.8	114.5	6.9	14.0	83.0	239.2	133.9	368.3	11.2	10.8	164.0
3622	Industrial controls -	-		12	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	6.1
3623	Welding apparatus, electric -	-		5	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3629	Electrical industrial apparatus, n.e.c. -	-		13	11	2.6	25.6	2.1	3.7	18.0	57.5	39.1	95.1	2.4	EE	(D)
363	Household appliances -	-		22	16	10.5	138.8	8.8	16.6	108.1	354.8	462.6	810.0	13.1	FF	(D)
3631	Household cooking equipment -	-		4	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3632	Household refrigerators and freezers -	-		5	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3634	Electric housewares and fans -	-		9	5	0.7	5.9	0.5	1.0	3.7	14.4	14.7	29.1	0.6	0.7	10.0
3639	Household appliances, n.e.c. -	-		2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
364	Electric lighting and wiring equipment -	-		42	18	8.6	152.4	6.7	13.6	109.5	310.3	180.1	484.6	30.7	8.7	173.1
3643	Current-carrying wiring devices -	-		18	11	1.8	16.9	1.4	2.6	11.5	41.2	33.9	75.0	(D)	1.6	21.4
3644	Noncurrent-carrying wiring devices -	-		1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3646	Commercial lighting fixtures -	-		3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3647	Vehicular lighting equipment -	-		4	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
365	Radio and TV receiving equipment -	-		18	12	21.7	314.1	18.0	35.3	241.9	914.2	720.3	1 630.0	(D)	FF	(D)
3651	Radio and TV receiving sets -	-		14	9	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3652	Phonograph records and prerecorded tape -	-		4	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
366	Communication equipment -	-		37	19	13.9	193.8	10.4	19.2	129.5	408.9	302.8	712.8	(D)	16.3	278.6
3661	Telephone and telegraph apparatus -	-		4	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3662	Radio and TV communication equipment -	-		33	17	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
367	Electronic components and accessories -	-		86	38	11.2	111.5	9.2	18.0	80.1	230.4	157.3	384.0	15.7	15.6	204.7
3671	Electron tubes, all types -	-		5	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3674	Semiconductors and related devices -	-		5	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3675	Electronic capacitors -	-		2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3676	Electronic resistors -	-		9	7	3.9	40.8	3.0	5.9	28.1	72.0	30.7	101.5	(D)	FF	(D)
3677	Electronic coils and transformers -	-		12	10	1.6	11.3	1.5	2.7	9.1	20.9	24.2	44.8	(D)	2.1	16.7
3678	Electronic connectors -	-		2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3679	Electronic components, n.e.c. -	E1		51	13	1.3	9.4	1.0	1.9	6.3	19.9	20.3	40.2	2.8	FF	(D)
369	Miscellaneous electrical equipment and supplies -	-		60	38	24.4	417.0	20.6	40.5	330.1	895.4	668.9	1 534.0	47.3	FF	(D)
3691	Storage batteries -	-		8	6	1.9	33.3	1.7	3.7	28.6	72.3	85.9	152.4	(D)	EE	(D)
3694	Engine electrical equipment -	-		20	14	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3699	Electrical equipment and supplies, n.e.c. -	-		31	18	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.0	11.1
37	Transportation equipment -	-		448	243	101.3	1 721.3	79.7	158.0	1 268.1	3 430.3	4 635.2	8 038.3	347.9	95.0	1 947.8
371	Motor vehicles and equipment -	-		234	138	69.1	1 153.5	56.6	111.3	902.3	2 427.4	3 620.3	6 003.6	(D)	62.2	1 307.3
3711	Motor vehicles and car bodies -	-		14	6	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3713	Truck and bus bodies -	E1		47	20	3.8	47.3	3.1	5.5	35.8	89.3	107.2	193.4	3.6	(NA)	(NA)
3714	Motor vehicle parts and accessories -	-		134	76	49.2	865.5	40.6	82.4	687.4	1 571.8	1 929.8	3 473.2	276.5	48.3	1 018.0
3715	Truck trailers -	-		10	7	1.5	18.0	1.2	2.4	13.4	37.2	80.2	117.3	(D)	EE	(D)
3716	Motor homes produced on purchased chassis -	-		29	29	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
372	Aircraft and parts -	-		32	17	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3724	Aircraft engines and engine parts -	-		18	14	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3728	Aircraft equipment, n.e.c. -	-		10	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
373	Ship and boat building and repairing -	-		37	17	2.8	33.0	2.4	4.5	25.2	61.4	70.7	130.9	(D)	1.8	30.6
3731	Ship building and repairing -	-		5	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3732	Boat building and repairing -	E1		32	14	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3743	Railroad equipment -	-		10	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.7	38.3
3751	Motorcycles, bicycles, and parts -	-		6	2	0.2	2.5	0.2	0.3	1.5	3.9	4.5	8.4	(D)	(NA)	(NA)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]															
SIC code	Industry	1977											1972		
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
37	Transportation equipment—Con.														
376	Guided missiles, space vehicles, parts -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3761	Guided missiles and space vehicles -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
379	Miscellaneous transportation equipment -----	-	128	61	9.3	124.9	7.7	15.2	96.5	214.0	350.6	560.5	(D)	10.1	138.8
3792	Travel trailers and campers -----	-	104	52	6.5	78.7	5.2	10.1	56.8	141.5	308.6	446.2	6.0	FF	(D)
3795	Tanks and tank components -----	-	2	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3799	Transportation equipment, n.e.c. -----	E2	22	8	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.2	17.7
38	Instruments and related products -----	-	129	44	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	8.5	196.1
3811	Engineering and scientific instruments -----	-	8	3	0.4	4.8	0.2	0.5	1.8	7.1	3.7	10.5	0.2	0.6	8.6
382	Measuring and controlling devices -----	E1	33	17	4.7	49.4	3.4	6.9	30.6	100.8	43.7	139.0	4.5	3.2	55.9
3822	Environmental controls -----	-	5	3	2.0	21.5	1.5	3.4	14.4	35.7	15.1	47.7	1.9	EE	(D)
3823	Process control instruments -----	-	7	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3825	Instruments to measure electricity -----	E2	15	8	1.9	20.6	1.4	2.7	12.3	42.6	20.6	61.2	1.6	EE	(D)
3832	Optical instruments and lenses -----	-	10	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
384	Medical instruments and supplies -----	-	47	14	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.8	75.4
3841	Surgical and medical instruments -----	-	12	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.2	33.1
3842	Surgical appliances and supplies -----	-	26	7	2.0	28.1	1.3	2.6	13.6	91.7	50.2	136.0	(D)	1.3	38.1
3843	Dental equipment and supplies -----	-	9	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.3	4.2
3861	Photographic equipment and supplies -----	-	12	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.2	44.5
3873	Watches, clocks, and watchcases -----	-	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
39	Miscellaneous manufacturing industries -----	-	267	78	10.8	121.9	8.3	15.0	76.2	258.3	217.9	480.1	(D)	8.9	169.2
391	Jewelry, silverware, and plated ware -----	E1	23	7	0.9	9.1	0.7	1.3	6.9	29.4	13.9	43.2	(D)	0.9	16.4
3911	Jewelry, precious metal -----	E1	16	5	0.8	8.4	0.7	1.2	6.4	28.2	13.2	41.3	(D)	CC	(D)
3931	Musical instruments -----	-	25	13	3.5	37.6	2.8	4.8	27.1	71.2	85.8	164.4	(D)	2.7	55.2
394	Toys and sporting goods -----	-	42	17	1.7	16.2	1.4	2.5	11.3	41.7	35.0	75.6	(D)	1.2	16.8
3944	Games, toys, and children's vehicles -----	E1	14	5	0.7	5.9	0.5	0.9	3.7	16.2	11.7	27.5	(D)	CC	(D)
3949	Sporting and athletic goods, n.e.c. -----	-	28	12	1.0	10.3	0.8	1.6	7.5	25.6	23.3	48.1	(D)	CC	(D)
395	Pens, pencils, office and art supplies -----	-	16	4	0.3	3.6	0.2	0.4	1.8	6.1	6.8	12.9	(D)	0.4	5.7
3952	Lead pencils and art goods -----	-	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
396	Costume jewelry and notions -----	E2	9	3	0.3	3.4	0.3	0.6	3.0	6.7	4.4	11.0	(D)	(NA)	(NA)
3964	Needles, pins, and fasteners -----	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
399	Miscellaneous manufactures -----	-	152	34	4.0	51.9	2.9	5.3	26.0	103.2	72.0	173.1	(D)	3.6	74.7
3993	Signs and advertising displays -----	E1	74	10	0.8	9.1	0.6	1.1	5.8	17.1	14.7	30.7	(D)	CC	(D)
3995	Burial caskets -----	-	29	16	2.3	33.0	1.6	3.0	15.1	63.7	41.0	104.4	(D)	2.3	56.8
3999	Manufacturing industries, n.e.c. -----	E3	47	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	4.1
-	Administrative and auxiliary -----	-	185	101	17.4	303.6	-	-	-	-	-	-	-	(NA)	(NA)

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹ Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
² Statistics for some industry groups and industries are withheld to avoid disclosing figures for individual companies. However, for such industry groups and industries with 150 employees or more, number of establishments is shown and employment size range is indicated by one of the following symbols: AA—150 to 249 employees; BB—250 to 499 employees; CC—500 to 999 employees; EE—1,000 to 2,499 employees; FF—2,500 employees or more. Statistics for industry groups shown include data for all component industries, regardless of whether data are shown for individual industries in the group.
³ Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972

[Includes industry groups and industries with 250 employees or more within SCSSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Chicago-Gary, Ill.-Ind., SCSA -	-	15 026	5 794	982.5	14 803.8	643.5	1 265.7	8 389.8	31 059.7	39 305.7	69 937.3	1 979.4	(NA)	(NA)
20	Food and kindred products --	-	768	378	69.9	984.3	49.2	99.3	631.0	3 240.5	4 940.4	8 163.7	158.2	(NA)	(NA)
202	Dairy products -----	-	72	37	3.0	48.1	1.5	3.0	21.8	154.7	350.3	504.4	8.5	(NA)	(NA)
2045	Blended and prepared flour -----	E2	12	7	1.1	8.9	0.5	1.1	6.2	36.0	77.6	113.9	0.8	(NA)	(NA)
205	Bakery products -----	-	127	55	14.3	195.4	9.5	20.2	122.6	514.5	384.6	898.4	10.3	(NA)	(NA)
2091	Canned and cured seafoods -----	-	5	3	0.3	2.7	0.2	0.4	1.7	5.7	15.3	20.9	(D)	(NA)	(NA)
2095	Roasted coffee -----	-	7	3	0.4	5.0	0.3	0.7	4.3	14.9	60.7	75.2	(D)	(NA)	(NA)
2392	House furnishings, n.e.c. -----	E1	62	27	2.2	20.0	1.9	3.7	13.8	45.3	60.7	105.8	1.1	(NA)	(NA)
2394	Canvas and related products -----	-	25	7	0.4	3.9	0.4	0.6	2.5	9.0	9.3	18.1	0.2	(NA)	(NA)
2431	Millwork -----	E2	77	21	1.5	18.1	1.2	2.3	12.7	37.2	51.2	87.7	(D)	(NA)	(NA)
2514	Metal household furniture -----	-	30	16	3.9	46.0	3.0	5.9	29.1	90.9	98.4	188.6	(D)	(NA)	(NA)
254	Partitions and fixtures -----	-	112	39	4.6	57.0	3.4	6.7	37.4	110.6	101.3	211.9	5.9	(NA)	(NA)
26	Paper and allied products ---	-	382	246	29.0	383.5	22.3	45.0	248.0	826.1	1 099.3	1 915.4	73.2	(NA)	(NA)
2651	Folding paperboard boxes -----	-	42	27	3.2	45.5	2.6	5.4	31.9	84.9	122.8	207.6	4.3	(NA)	(NA)
2653	Corrugated and solid fiber boxes -----	-	105	78	7.5	103.8	5.3	10.6	61.6	194.1	321.6	515.0	16.8	(NA)	(NA)
2661	Building paper and board mills -----	-	4	4	0.3	5.1	0.3	0.6	4.3	15.6	16.6	33.2	(D)	(NA)	(NA)
2711	Newspapers -----	-	162	51	13.9	196.3	6.5	10.5	87.1	395.7	187.2	582.9	22.0	(NA)	(NA)
2721	Periodicals -----	E1	211	60	6.2	91.0	1.1	2.3	12.5	279.7	175.7	455.3	(D)	(NA)	(NA)
2731	Book publishing -----	-	96	28	6.1	86.8	0.8	1.6	8.0	413.2	172.4	582.6	9.5	(NA)	(NA)
2752	Commercial printing, lithographic -----	-	644	175	16.3	261.7	11.9	23.3	170.9	456.7	374.6	827.2	(D)	(NA)	(NA)
2761	Manifold business forms -----	-	47	29	2.0	29.4	1.4	2.9	19.6	63.9	81.1	144.4	4.4	(NA)	(NA)
278	Blankbooks and bookbinding -----	-	122	50	6.6	71.7	5.5	10.6	51.3	143.4	69.5	209.0	(D)	(NA)	(NA)
2795	Lithographic platemaking services --	-	72	29	2.3	46.7	1.6	3.2	31.1	78.3	28.2	106.1	4.4	(NA)	(NA)
28	Chemicals and allied products -----	-	697	279	41.7	642.5	22.0	44.3	297.8	2 710.7	2 472.9	5 145.4	170.1	(NA)	(NA)
281	Industrial inorganic chemicals -----	-	39	19	2.4	41.6	1.8	3.8	30.0	189.5	214.9	400.1	(D)	(NA)	(NA)
283	Drugs -----	-	60	25	12.5	203.5	3.8	7.4	48.1	535.4	143.0	670.2	29.3	(NA)	(NA)
2834	Pharmaceutical preparations -----	-	49	19	12.0	195.1	3.6	6.9	44.6	514.0	125.3	631.7	(D)	(NA)	(NA)
2851	Paints and allied products -----	-	122	57	7.1	103.7	4.0	8.0	50.4	324.7	448.1	761.2	(D)	(NA)	(NA)
295	Paving and roofing materials -----	-	48	20	2.9	44.8	2.2	4.8	34.1	113.6	229.8	343.1	(D)	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	-	694	327	35.6	400.7	27.0	53.5	248.8	855.3	786.0	1 626.3	70.0	(NA)	(NA)
326	Pottery and related products -----	-	22	6	0.8	7.7	0.7	1.2	5.9	15.5	7.7	23.0	0.7	(NA)	(NA)
3269	Pottery products, n.e.c. ---	-	16	5	0.7	6.0	0.6	1.0	4.8	12.0	6.5	18.3	(D)	(NA)	(NA)
33	Primary metal industries ----	-	452	253	116.8	2 189.9	92.1	180.6	1 644.0	3 895.4	7 752.5	11 610.6	515.6	(NA)	(NA)
3361	Aluminum foundries ----	-	65	33	2.8	32.2	2.4	4.7	24.1	64.6	63.3	127.6	3.6	(NA)	(NA)
3369	Nonferrous foundries, n.e.c. -----	-	37	14	1.7	21.8	1.5	2.8	16.6	40.9	47.9	91.0	(D)	(NA)	(NA)
3398	Metal heat treating -----	E1	47	23	1.5	19.4	1.2	2.3	12.9	42.3	14.2	56.3	(D)	(NA)	(NA)
34	Fabricated metal products ---	-	2 211	962	109.8	1 628.8	84.8	172.3	1 139.6	3 475.7	3 411.0	6 800.4	169.0	(NA)	(NA)
344	Fabricated structural metal products -----	-	451	195	15.2	214.6	10.7	20.9	130.9	475.3	501.1	941.1	16.6	(NA)	(NA)
3441	Fabricated structural metal -----	E1	113	46	4.1	59.6	3.1	6.0	41.1	125.8	127.4	239.3	4.4	(NA)	(NA)
3442	Metal doors, sash, and trim -----	E1	62	29	1.4	16.5	1.0	1.9	8.4	31.5	36.9	67.8	(D)	(NA)	(NA)
3443	Fabricated plate work (boiler shops) -----	E1	61	43	3.2	49.4	2.2	4.3	29.6	109.3	89.4	190.4	(D)	(NA)	(NA)
3444	Sheet metal work -----	-	141	54	4.0	52.8	2.7	5.2	31.3	112.8	123.0	233.1	(D)	(NA)	(NA)
3448	Prefabricated metal buildings -----	-	9	6	1.0	13.2	0.6	1.3	7.4	28.1	60.4	86.0	(D)	(NA)	(NA)
345	Screw machine products, bolts, etc. -----	-	310	129	12.8	183.3	9.9	20.8	126.6	343.0	282.6	625.3	20.1	(NA)	(NA)
3451	Screw machine products -----	E1	197	70	5.0	65.7	4.2	8.8	47.9	111.3	74.2	185.3	(D)	(NA)	(NA)
3452	Bolts, nuts, rivets, and washers -----	-	113	59	7.8	117.5	5.7	12.0	78.7	231.7	208.4	440.0	(D)	(NA)	(NA)
3466	Crowns and closures -----	-	12	9	1.8	26.0	1.5	2.9	20.0	73.2	69.5	138.3	(D)	(NA)	(NA)
3469	Metal stampings, n.e.c. ---	-	300	137	12.1	167.9	9.9	20.1	117.6	342.1	362.1	696.3	22.9	(NA)	(NA)
349	Miscellaneous fabricated metal products -----	-	452	196	23.8	317.9	17.4	34.3	203.8	678.5	610.0	1 276.5	32.2	(NA)	(NA)
353	Construction and related machinery -----	-	126	57	25.0	439.2	17.6	33.6	287.0	1 065.2	1 400.1	2 523.7	(D)	(NA)	(NA)
3532	Mining machinery -----	-	6	4	0.7	11.0	0.5	1.0	6.2	19.0	15.5	32.7	(D)	(NA)	(NA)
3535	Conveyors and conveying equipment --	-	41	17	2.1	32.6	0.9	1.8	11.8	79.5	81.8	159.6	4.0	(NA)	(NA)
354	Metalworking machinery ---	-	871	198	22.7	337.1	16.4	33.3	220.8	648.7	355.8	972.5	31.9	(NA)	(NA)
3544	Special dies, tools, jigs, and fixtures -----	E2	623	108	7.5	125.3	6.1	13.0	91.0	212.1	85.3	293.9	15.2	(NA)	(NA)
3563	Air and gas compressors -----	-	13	12	1.7	23.4	1.1	2.1	12.9	61.5	58.9	118.6	(D)	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Chicago-Gary, Ill.-Ind., SCSA —Con.														
357	Office and computing machines	-	53	26	9.4	134.1	4.2	8.0	49.9	311.4	242.8	568.0	(D)	(NA)	(NA)
36	Electric and electronic equipment	-	902	449	121.6	1 570.3	83.2	160.5	901.5	3 566.1	3 672.3	7 164.3	150.2	(NA)	(NA)
361	Electric distributing equipment	-	72	43	8.1	109.0	5.7	11.1	63.1	176.7	162.9	333.7	10.4	(NA)	(NA)
363	Household appliances	-	34	18	9.6	130.4	7.4	13.6	91.0	296.8	265.0	553.4	11.7	(NA)	(NA)
3644	Noncurrent-carrying wiring devices	-	18	13	4.5	59.7	3.2	6.3	36.5	134.3	123.8	259.6	(D)	(NA)	(NA)
3647	Vehicular lighting equipment	-	10	5	0.7	7.2	0.5	1.1	4.7	17.3	18.9	36.1	0.3	(NA)	(NA)
365	Radio and TV receiving equipment	-	66	27	16.0	188.1	11.2	20.2	108.0	634.1	974.7	1 624.5	(D)	(NA)	(NA)
366	Communication equipment	-	100	44	39.1	579.0	23.5	44.6	303.3	1 317.9	1 271.9	2 538.8	56.4	(NA)	(NA)
367	Electronic components and accessories	E1	242	114	20.4	230.5	14.9	30.9	143.1	410.6	318.7	720.5	17.6	(NA)	(NA)
369	Miscellaneous electrical equipment and supplies ..	-	96	44	5.9	73.4	4.0	7.7	38.1	156.5	202.4	348.5	12.5	(NA)	(NA)
3693	X-ray, electromedical, and electrotherapeutic apparatus	-	22	11	1.2	17.3	0.7	1.3	6.9	41.0	40.8	75.6	(D)	(NA)	(NA)
37	Transportation equipment	-	209	94	36.5	601.1	28.6	58.7	434.0	1 375.7	2 586.3	3 935.7	61.1	(NA)	(NA)
38	Instruments and related products	-	431	171	36.4	483.8	21.6	42.3	233.0	1 042.8	730.3	1 728.5	38.7	(NA)	(NA)
3811	Engineering and scientific instruments ..	-	40	16	2.5	30.4	1.3	2.5	13.0	84.3	54.3	135.3	2.3	(NA)	(NA)
395	Pens, pencils, office and art supplies	-	57	19	2.2	27.6	1.4	2.8	12.8	59.8	47.1	105.8	(D)	(NA)	(NA)
	Cincinnati-Hamilton, Ohio-Ky.-Ind., SCSA	-	2 373	958	189.6	2 944.3	117.7	238.4	1 618.9	6 608.2	7 196.2	13 769.5	357.1	185.5	4 145.4
20	Food and kindred products ..	-	157	79	16.2	249.8	10.3	21.9	155.3	795.5	1 183.0	1 976.7	(D)	(NA)	(NA)
2011	Meat packing plants	-	17	7	1.4	24.5	1.0	2.0	16.1	49.9	179.2	229.8	(D)	(NA)	(NA)
2026	Fluid milk	-	15	8	1.0	15.7	0.5	1.1	7.4	28.9	123.9	152.9	3.5	(NA)	(NA)
203	Preserved fruits and vegetables	-	12	6	0.6	6.4	0.5	0.9	5.1	32.5	51.8	84.3	1.2	(NA)	(NA)
2033	Canned fruits and vegetables	-	7	5	0.5	5.6	0.5	0.9	4.7	30.6	48.4	79.0	(D)	(NA)	(NA)
2085	Distilled liquor, except brandy	-	5	5	2.6	44.6	2.1	4.7	35.0	155.5	134.7	290.4	3.9	(NA)	(NA)
22	Textile mill products	-	15	6	0.8	8.0	0.5	1.1	5.3	21.8	16.4	37.7	1.0	(NA)	(NA)
229	Miscellaneous textile goods	-	5	3	0.5	5.1	0.3	0.7	3.1	14.9	9.1	23.5	(D)	(NA)	(NA)
24	Lumber and wood products ..	-	75	23	1.6	15.7	1.3	2.6	10.8	35.0	39.9	74.2	1.4	(NA)	(NA)
25	Furniture and fixtures	-	61	24	3.7	36.5	3.0	5.3	24.9	72.4	88.3	159.6	(D)	4.6	66.9
26	Paper and allied products ..	-	110	74	12.0	168.0	9.5	19.6	126.2	318.4	473.9	795.2	18.3	12.3	222.9
265	Paperboard containers and boxes	-	53	36	4.8	59.8	3.8	7.5	44.2	118.2	167.7	283.0	(D)	(NA)	(NA)
27	Printing and publishing	-	377	103	13.2	165.0	8.0	14.9	97.1	369.3	215.3	581.7	(D)	14.3	269.7
2721	Periodicals	-	18	4	0.9	6.0	0.1	0.3	2.1	32.1	6.0	37.8	(D)	(NA)	(NA)
2741	Miscellaneous publishing	-	13	3	0.4	3.8	0.1	0.2	1.0	8.2	13.1	21.2	0.1	(NA)	(NA)
2752	Commercial printing, lithographic	-	115	27	3.5	45.8	2.7	4.9	33.1	88.5	54.3	142.8	(D)	(NA)	(NA)
278	Blankbooks and bookbinding	-	16	12	0.7	6.8	0.5	1.0	4.9	12.6	4.1	16.6	0.3	(NA)	(NA)
2782	Blankbooks and looseleaf binders	-	6	6	0.4	4.0	0.3	0.5	2.8	8.0	2.7	10.7	0.2	(NA)	(NA)
2789	Bookbinding and related work	-	10	6	0.3	2.8	0.3	0.4	2.1	4.6	1.4	5.9	0.1	(NA)	(NA)
279	Printing trade services	-	32	12	0.6	10.4	0.4	0.8	7.4	16.2	4.1	20.0	0.8	(NA)	(NA)
2795	Lithographic platemaking services ..	-	12	8	0.3	7.0	0.2	0.5	5.0	10.7	3.1	13.6	0.4	(NA)	(NA)
28	Chemicals and allied products	-	120	53	12.9	207.4	7.7	15.2	113.2	1 274.7	919.6	2 185.6	53.8	11.9	798.9
281	Industrial inorganic chemicals	-	17	7	1.1	17.9	0.7	1.4	10.4	65.1	46.2	112.0	(D)	(NA)	(NA)
2851	Paints and allied products	-	13	6	0.6	8.7	0.3	0.6	3.4	32.8	33.9	65.7	0.6	(NA)	(NA)
286	Industrial organic chemicals	-	10	6	2.1	32.6	1.5	2.8	21.0	92.5	120.2	205.1	11.0	(NA)	(NA)
2893	Printing ink	-	12	7	0.6	7.6	0.3	0.6	4.4	18.2	25.5	43.4	(D)	(NA)	(NA)
2952	Asphalt felts and coatings	-	5	3	1.2	15.7	1.0	2.1	12.8	41.9	44.3	85.1	(D)	(NA)	(NA)
30	Rubber and miscellaneous plastics products	-	84	37	4.9	62.0	3.9	7.7	43.4	130.8	144.7	274.5	27.5	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Cincinnati-Hamilton, Ohio-Ky.-Ind., SCSA—Con.														
31	Leather and leather products -----	-	11	4	1.1	8.8	0.9	1.7	6.5	17.9	9.7	27.6	0.1	(NA)	(NA)
34	Fabricated metal products ---	-	289	137	20.1	298.8	15.5	31.2	209.8	608.0	659.3	1 261.3	38.2	19.3	363.2
341	Metal cans and shipping containers -----	-	5	5	1.4	21.6	1.1	2.4	16.2	51.6	76.8	127.6	2.9	(NA)	(NA)
3452	Bolts, nuts, rivets, and washers -----	-	7	5	0.3	4.0	0.2	0.4	2.6	10.8	10.0	20.7	0.4	(NA)	(NA)
349	Miscellaneous fabricated metal products -----	-	76	31	6.1	78.5	4.5	8.5	50.5	168.4	140.1	309.4	(D)	(NA)	(NA)
354	Metalworking machinery ---	-	108	36	10.5	163.6	5.7	11.6	83.4	274.2	147.9	428.8	12.9	(NA)	(NA)
356	General industrial machinery -----	-	52	23	4.8	56.1	3.4	5.8	33.5	128.9	117.3	246.7	(D)	(NA)	(NA)
3564	Blowers and fans -----	-	12	4	0.3	3.4	0.2	0.4	2.1	6.7	6.3	12.9	(D)	(NA)	(NA)
359	Miscellaneous machinery, except electrical -----	E1	148	22	1.9	22.8	1.5	2.7	15.3	43.8	22.2	65.4	2.6	(NA)	(NA)
362	Electrical industrial apparatus -----	-	10	5	2.2	33.9	1.2	2.7	15.7	61.5	37.1	98.2	(D)	(NA)	(NA)
364	Electric lighting and wiring equipment -----	-	17	13	1.8	19.4	1.2	2.3	10.9	40.6	38.5	77.8	1.2	(NA)	(NA)
3643	Current-carrying wiring devices -----	-	9	8	1.0	10.9	0.7	1.4	6.5	21.0	17.2	36.3	0.6	(NA)	(NA)
369	Miscellaneous electrical equipment and supplies --	-	8	3	0.6	7.1	0.4	0.8	4.4	12.1	8.9	22.3	(D)	(NA)	(NA)
38	Instruments and related products -----	E1	49	20	1.8	21.2	1.2	2.3	11.5	40.5	36.6	76.1	1.8	(NA)	(NA)
382	Measuring and controlling devices -----	-	20	11	0.6	7.5	0.4	0.7	3.4	13.4	8.0	21.2	0.5	(NA)	(NA)
3829	Measuring and controlling devices, n.e.c. -----	-	10	7	0.4	4.0	0.2	0.4	1.7	7.4	4.1	11.4	0.2	(NA)	(NA)
384	Medical instruments and supplies -----	E1	16	4	0.8	8.7	0.6	1.0	5.0	21.7	22.1	43.3	1.1	(NA)	(NA)
3944	Games, toys, and children's vehicles ----	-	5	1	1.9	17.3	1.3	3.1	11.8	93.8	61.5	151.7	(D)	(NA)	(NA)
	Anderson SMSA -----	-	146	53	25.6	472.4	20.4	41.2	357.7	1 008.1	685.1	1 675.5	59.0	26.5	603.1
20	Food and kindred products --	-	11	7	0.8	9.6	0.4	0.8	4.4	19.2	75.7	93.9	1.1	(NA)	(NA)
27	Printing and publishing -----	-	16	4	0.6	5.8	0.3	0.6	3.3	12.1	4.9	16.9	1.0	0.6	6.2
329	Miscellaneous nonmetallic mineral products-----	-	4	3	0.6	7.3	0.5	1.0	5.7	16.6	13.9	31.0	(D)	0.6	8.8
35	Machinery, except electrical -	E1	38	8	0.5	6.4	0.4	0.7	4.4	11.7	5.8	17.1	(D)	0.6	8.3
	Bloomington SMSA -----	-	90	27	8.7	96.3	7.2	13.1	73.6	394.3	512.9	907.0	8.4	(NA)	(NA)
32	Stone, clay, and glass products -----	-	13	6	0.4	4.2	0.3	0.6	3.2	7.5	6.2	13.7	(D)	(NA)	(NA)
3281	Cut stone and stone products -----	-	7	4	0.3	2.4	0.2	0.4	2.0	4.0	0.8	4.9	(D)	(NA)	(NA)
	Cincinnati, Ohio-Ky.-Ind., SMSA -----	-	2 135	856	160.2	2 435.8	97.2	197.9	1 289.5	5 645.9	6 043.1	11 647.9	299.2	157.6	3 561.2
20	Food and kindred products --	-	150	77	15.9	245.9	10.1	21.6	152.8	750.9	1 162.1	1 911.3	26.6	18.5	579.2
201	Meat products -----	-	31	14	2.3	39.1	1.7	3.5	27.1	71.0	264.6	336.3	3.4	2.7	48.4
2011	Meat packing plants -----	-	17	7	1.4	24.5	1.0	2.0	16.1	49.9	179.2	229.8	(D)	2.0	36.6
202	Dairy products -----	-	20	10	1.1	16.8	0.5	1.2	8.1	31.1	131.4	162.6	3.7	1.4	26.2
2026	Fluid milk -----	-	15	8	1.0	15.7	0.5	1.1	7.4	28.9	123.9	152.9	3.5	1.3	23.4
203	Preserved fruits and vegetables -----	-	12	6	0.6	6.4	0.5	0.9	5.1	32.5	51.8	84.3	1.2	0.7	17.4
2033	Canned fruits and vegetables -----	-	7	5	0.5	5.6	0.5	0.9	4.7	30.6	48.4	79.0	(D)	0.4	11.0
208	Beverages -----	-	21	15	4.8	77.7	3.1	6.7	48.7	240.0	214.4	453.9	8.7	6.1	257.2
2085	Distilled liquor, except brandy -----	-	5	5	2.6	44.6	2.1	4.7	35.0	155.5	134.7	290.4	3.9	3.6	193.1
2086	Bottled and canned soft drinks -----	-	6	4	1.3	17.8	0.4	0.8	4.8	43.2	38.5	81.1	(D)	1.2	22.2
209	Miscellaneous foods and kindred products-----	-	20	7	1.5	17.8	0.6	1.3	6.9	56.8	101.8	157.8	1.4	1.5	30.3
22	Textile mill products-----	-	15	6	0.8	8.0	0.5	1.1	5.3	21.8	16.4	37.7	1.0	(NA)	(NA)
229	Miscellaneous textile goods -----	-	5	3	0.5	5.1	0.3	0.7	3.1	14.9	9.1	23.5	(D)	(NA)	(NA)
23	Apparel and other textile products -----	-	53	27	3.9	32.8	2.9	5.1	18.8	72.9	77.6	149.5	2.4	4.2	49.4
239	Miscellaneous fabricated textile products -----	-	28	11	1.5	11.9	1.2	2.2	7.9	29.9	42.3	71.7	1.8	1.2	16.4
2392	House furnishings, n.e.c. -----	-	6	4	0.7	5.1	0.6	1.1	3.4	11.9	14.3	25.9	(D)	(NA)	(NA)
24	Lumber and wood products--	-	62	19	1.4	13.4	1.1	2.3	9.2	26.2	28.3	54.2	1.2	1.1	16.1
243	Millwork, plywood, and structural members-----	E1	17	9	0.6	5.0	0.5	0.9	3.7	9.7	9.6	18.8	0.6	0.5	8.1
2434	Wood kitchen cabinets--	E3	8	4	0.3	1.9	0.2	0.4	1.5	3.5	2.5	5.8	(Z)	(NA)	(NA)
249	Miscellaneous wood products -----	-	24	7	0.6	5.6	0.5	0.9	3.7	11.7	10.8	22.4	0.4	0.4	5.8

See footnotes at end of table.

Table 6. **Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.**

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SMSA's, see appendix A. For explanation of terms, see appendix B.															
SIC code	SMSA and industry	1977										1972			
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Cincinnati, Ohio-Ky.-Ind., SMSA—Con.														
25	Furniture and fixtures -----	-	54	18	2.6	25.9	2.1	4.0	18.0	53.4	64.2	117.3	1.3	4.0	55.9
251	Household furniture -----	-	29	12	1.9	18.9	1.6	3.0	13.5	41.8	51.9	93.7	0.9	2.7	35.3
2515	Mattresses and bedsprings -----	-	11	7	1.0	10.3	0.8	1.5	7.1	25.1	38.9	64.3	0.5	1.1	15.8
254	Partitions and fixtures -----	-	18	3	0.4	4.7	0.3	0.6	2.8	7.0	9.5	16.3	(D)	(NA)	(NA)
26	Paper and allied products ---	-	92	56	6.6	84.5	5.1	10.5	61.2	175.5	240.1	413.6	11.4	6.5	117.0
2631	Paperboard mills -----	-	4	4	0.6	11.4	0.5	1.2	9.5	25.9	26.5	52.2	1.7	0.7	14.3
264	Miscellaneous converted paper products -----	E1	36	19	1.9	22.4	1.4	2.8	14.0	49.6	70.8	120.5	2.4	2.1	39.3
265	Paperboard containers and boxes -----	-	46	29	3.7	45.7	3.0	5.9	33.8	91.8	130.0	219.8	6.9	3.4	58.1
2651	Folding paperboard boxes -----	-	15	10	2.0	23.6	1.7	3.4	19.3	50.4	66.0	114.0	4.8	1.7	31.7
2653	Corrugated and solid fiber boxes -----	-	18	10	1.3	18.0	0.9	1.8	11.9	33.8	51.8	85.5	1.6	1.4	22.4
27	Printing and publishing -----	-	352	96	12.6	157.6	7.6	14.2	92.8	353.1	210.7	561.0	16.1	13.6	237.0
2711	Newspapers -----	-	38	9	2.1	28.5	1.0	1.8	14.1	60.9	27.8	88.8	(D)	(NA)	(NA)
2721	Periodicals -----	-	18	4	0.9	6.0	0.1	0.3	2.1	32.1	6.0	37.8	(D)	0.9	21.8
273	Books -----	E1	16	7	1.0	13.9	0.5	1.1	6.9	53.1	25.8	77.6	1.8	1.1	28.5
2741	Miscellaneous publishing -----	-	13	3	0.4	3.8	0.1	0.2	1.0	8.2	13.1	21.2	0.1	0.4	4.1
2751	Commercial printing, letterpress -----	-	100	17	1.3	15.4	1.0	1.9	10.2	26.6	40.4	67.1	3.4	(NA)	(NA)
2752	Commercial printing, lithographic -----	-	105	26	3.4	44.5	2.6	4.7	32.2	86.2	53.2	139.4	4.2	3.7	65.5
278	Blankbooks and bookbinding -----	-	16	12	0.7	6.8	0.5	1.0	4.9	12.6	4.1	16.6	0.3	0.5	6.7
2782	Blankbooks and looseleaf binders -----	-	6	6	0.4	4.0	0.3	0.5	2.8	8.0	2.7	10.7	0.2	(NA)	(NA)
2789	Bookbinding and related work -----	-	10	6	0.3	2.8	0.3	0.4	2.1	4.6	1.4	5.9	0.1	0.4	3.4
279	Printing trade services -----	-	32	12	0.6	10.4	0.4	0.8	7.4	16.2	4.1	20.0	0.8	0.8	13.0
2795	Lithographic platemaking services --	-	12	8	0.3	7.0	0.2	0.5	5.0	10.7	3.1	13.6	0.4	(NA)	(NA)
28	Chemicals and allied products -----	-	112	49	12.7	205.7	7.5	15.0	112.0	1 267.7	906.1	2 165.3	53.2	12.2	803.8
281	Industrial inorganic chemicals -----	-	13	5	1.1	16.8	0.7	1.3	9.5	59.9	35.6	96.3	1.9	1.1	35.1
2819	Industrial inorganic chemicals, n.e.c. -----	-	7	5	1.0	16.5	0.6	1.2	9.3	58.3	34.4	93.4	1.8	1.0	33.0
2851	Paints and allied products -----	-	13	6	0.6	8.7	0.3	0.6	3.4	32.8	33.9	65.7	0.6	0.7	14.1
286	Industrial organic chemicals -----	-	10	6	2.1	32.6	1.5	2.8	21.0	92.5	120.2	205.1	11.0	1.6	39.8
289	Miscellaneous chemical products -----	-	29	13	1.8	23.9	1.1	1.8	12.9	75.9	99.5	175.0	4.6	1.7	50.2
2893	Printing ink -----	-	12	7	0.6	7.6	0.3	0.6	4.4	18.2	25.5	43.4	(D)	0.7	15.0
29	Petroleum and coal products -----	-	23	7	1.6	23.6	1.3	2.7	18.5	63.5	301.3	360.7	3.1	1.3	45.9
295	Paving and roofing materials -----	-	14	3	1.3	16.6	1.1	2.2	13.5	43.9	51.1	94.1	1.6	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	-	77	33	4.7	59.8	3.7	7.4	41.8	125.8	139.8	264.6	27.5	4.5	89.8
31	Leather and leather products -----	-	11	4	1.1	8.8	0.9	1.7	6.5	17.9	9.7	27.6	0.1	1.3	13.9
32	Stone, clay, and glass products -----	-	100	29	2.3	28.1	1.7	3.3	18.4	64.2	66.9	130.2	5.1	2.3	48.4
327	Concrete, gypsum, and plaster products -----	E1	57	16	0.9	10.2	0.5	1.1	5.6	23.2	25.7	49.0	2.4	0.9	18.5
3272	Concrete products, n.e.c. -----	-	17	6	0.3	3.5	0.2	0.4	2.1	6.0	4.9	11.1	0.3	0.3	5.8
3273	Ready-mixed concrete --	E2	31	9	0.5	5.8	0.3	0.5	3.0	15.3	18.2	33.5	2.0	0.5	11.1
329	Miscellaneous nonmetallic mineral products -----	-	21	5	0.4	5.4	0.3	0.5	2.7	12.5	14.7	27.3	0.4	0.6	15.1
33	Primary metal industries ---	-	53	31	5.0	74.3	3.9	7.9	53.5	130.3	142.5	265.4	6.6	4.9	83.9
332	Iron and steel foundries ---	-	9	7	0.8	8.9	0.6	1.1	6.2	15.6	9.2	24.8	(D)	0.9	9.6
336	Nonferrous foundries -----	-	20	12	0.9	12.3	0.8	1.6	9.9	27.1	20.1	46.4	1.1	0.9	13.0
3361	Aluminum foundries -----	-	12	9	0.8	10.7	0.7	1.3	8.6	20.8	15.4	36.0	(D)	(NA)	(NA)
339	Miscellaneous primary metal products -----	E1	14	6	0.5	4.3	0.4	0.8	2.8	8.7	4.0	12.9	1.4	0.4	5.6
34	Fabricated metal products ---	-	250	120	14.1	183.9	10.9	21.5	124.1	376.3	391.2	767.4	23.4	14.4	230.0
341	Metal cans and shipping containers -----	-	5	5	1.4	21.6	1.1	2.4	16.2	51.6	76.8	127.6	2.9	1.2	26.4
342	Cutlery, hand tools, and hardware -----	-	14	6	1.0	12.4	0.9	1.6	10.4	17.2	30.5	46.9	1.4	(NA)	(NA)
344	Fabricated structural metal products -----	-	76	43	4.7	62.3	3.5	7.0	40.0	126.1	125.6	251.2	7.1	5.2	79.8
3441	Fabricated structural metal -----	-	17	6	0.5	6.5	0.3	0.7	3.5	16.6	13.3	30.1	1.2	0.5	9.7
3443	Fabricated plate work (boiler shops) -----	-	15	11	1.6	20.7	1.2	2.3	13.5	41.8	33.6	75.2	1.8	0.8	12.2
3444	Sheet metal work -----	-	22	15	1.2	16.0	0.9	1.7	9.9	28.0	33.2	61.6	1.4	1.8	27.7
3446	Architectural metal work -----	-	8	4	0.3	3.2	0.2	0.5	2.4	6.1	6.7	12.7	(D)	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Cincinnati, Ohio-Ky.-Ind., SMSA—Con.														
34	Fabricated metal products—Con.														
345	Screw machine products, bolts, etc. -----	-	16	12	0.5	6.5	0.4	0.7	4.4	15.3	12.7	27.9	0.6	0.4	7.9
3452	Bolts, nuts, rivets, and washers -----	-	7	5	0.3	4.0	0.2	0.4	2.6	10.8	10.0	20.7	0.4	(NA)	(NA)
346	Metal forgings and stampings -----	-	28	16	1.6	18.0	1.2	2.2	11.6	33.9	31.6	65.3	2.4	1.7	23.8
3469	Metal stampings, n.e.c. ---	-	24	13	1.5	16.5	1.1	2.0	10.8	31.5	29.8	61.1	(D)	1.6	22.1
347	Metal services, n.e.c. ---	-	43	11	0.9	9.5	0.7	1.4	6.6	16.7	12.8	29.6	1.6	0.9	10.6
3471	Plating and polishing ---	E1	30	9	0.7	7.1	0.6	1.1	5.1	11.9	9.0	21.0	1.4	0.6	7.2
349	Miscellaneous fabricated metal products -----	-	60	23	4.0	51.9	3.0	5.8	33.8	112.6	98.5	213.4	7.3	4.4	76.3
3494	Valves and pipe fittings -	-	12	8	2.8	40.4	2.2	4.1	26.7	90.5	78.5	171.6	6.6	3.0	61.9
3499	Fabricated metal products, n.e.c. -----	-	32	9	0.7	8.0	0.5	0.9	4.3	15.5	13.4	28.6	0.4	0.9	8.8
35	Machinery, except electrical -	-	367	121	23.4	328.8	14.4	28.3	179.5	624.7	459.5	1 084.0	27.6	17.3	314.2
353	Construction and related machinery -----	-	22	9	1.2	16.4	0.7	1.5	8.5	32.5	31.6	62.2	1.3	1.2	23.1
3535	Conveyors and conveying equipment --	-	8	3	0.7	9.3	0.3	0.6	3.5	16.8	17.2	32.4	0.5	0.8	14.3
354	Metalworking machinery ---	-	101	35	10.5	163.1	5.7	11.5	83.0	273.0	147.3	427.1	12.9	9.4	144.8
3545	Machine tool accessories -----	E2	10	6	0.7	10.8	0.6	1.1	6.9	19.5	9.0	28.5	0.2	0.6	9.6
3549	Metalworking machinery, n.e.c. -----	-	7	4	0.5	7.8	0.3	0.8	4.8	14.3	12.0	25.0	0.6	(NA)	(NA)
355	Special industry machinery -----	-	43	19	2.4	35.1	1.5	3.0	19.6	76.2	79.5	153.5	2.4	2.0	62.5
356	General industrial machinery -----	-	47	22	4.7	55.2	3.4	5.8	33.1	127.7	115.5	243.6	7.7	1.6	30.9
3564	Blowers and fans -----	-	12	4	0.3	3.4	0.2	0.4	2.1	6.7	6.3	12.9	(D)	(NA)	(NA)
3569	General industrial machinery, n.e.c. -----	-	13	8	0.8	10.8	0.5	1.0	5.3	22.6	18.5	40.6	1.6	0.5	11.5
358	Refrigeration and service machinery -----	-	18	10	2.2	27.4	1.4	2.8	15.7	55.3	56.1	109.4	0.4	0.9	17.0
3589	Service industry machinery, n.e.c. -----	-	7	3	0.4	4.6	0.2	0.3	1.8	10.8	9.8	20.5	(D)	(NA)	(NA)
359	Miscellaneous machinery, except electrical -----	E1	126	20	1.7	21.7	1.4	2.6	14.5	41.5	21.2	62.2	2.5	1.6	24.9
36	Electric and electronic equipment -----	-	82	48	9.8	129.3	5.8	11.7	61.2	280.2	189.7	466.3	11.6	9.7	173.5
361	Electric distributing equipment -----	E1	9	8	1.0	11.6	0.7	1.4	7.0	24.5	20.1	44.6	0.4	(NA)	(NA)
362	Electrical industrial apparatus -----	-	10	5	2.2	33.9	1.2	2.7	15.7	61.5	37.1	98.2	(D)	2.5	43.0
364	Electric lighting and wiring equipment -----	-	17	13	1.8	19.4	1.2	2.3	10.9	40.6	38.5	77.8	1.2	1.5	28.4
3643	Current-carrying wiring devices -----	-	9	8	1.0	10.9	0.7	1.4	6.5	21.0	17.2	36.3	0.6	0.6	7.9
366	Communication equipment -----	-	12	6	1.4	16.9	0.6	1.3	5.5	26.0	22.1	47.3	0.3	1.6	17.3
3662	Radio and TV communication equipment -----	-	12	6	1.4	16.9	0.6	1.3	5.5	26.0	22.1	47.3	0.3	(NA)	(NA)
369	Miscellaneous electrical equipment and supplies --	-	8	3	0.6	7.1	0.4	0.8	4.4	12.1	8.9	22.3	(D)	(NA)	(NA)
37	Transportation equipment ---	-	37	15	21.3	492.7	13.1	30.8	277.8	1 049.0	1 485.5	2 535.4	68.7	21.0	574.4
38	Instruments and related products -----	E1	49	20	1.8	21.2	1.2	2.3	11.5	40.5	36.6	76.1	1.8	1.8	29.6
382	Measuring and controlling devices -----	-	20	11	0.6	7.5	0.4	0.7	3.4	13.4	8.0	21.2	0.5	0.5	10.2
3829	Measuring and controlling devices, n.e.c. -----	-	10	7	0.4	4.0	0.2	0.4	1.7	7.4	4.1	11.4	0.2	(NA)	(NA)
384	Medical instruments and supplies -----	E1	16	4	0.8	8.7	0.6	1.0	5.0	21.7	22.1	43.3	1.1	1.0	14.8
39	Miscellaneous manufacturing industries ---	-	102	31	4.5	46.1	3.1	6.4	26.8	152.3	115.0	260.7	10.6	5.3	84.7
3993	Signs and advertising displays -----	E2	30	12	0.9	9.5	0.7	1.3	5.9	18.5	12.4	30.8	1.0	1.1	16.0
	Evansville, Ind.-Ky., SMSA ---	-	408	169	39.2	537.0	28.0	56.7	355.9	1 558.9	2 268.4	3 747.5	134.0	36.3	897.6
20	Food and kindred products --	-	42	24	4.1	56.2	2.1	4.6	27.7	201.2	320.2	517.2	21.9	2.9	89.2
202	Dairy products -----	-	7	4	1.5	19.8	0.5	1.1	5.4	79.7	87.5	165.8	(D)	(NA)	(NA)
204	Grain mill products -----	-	5	5	0.3	3.7	0.2	0.4	2.2	10.3	56.5	66.7	1.0	0.6	17.4
208	Beverages -----	-	7	6	0.9	15.0	0.5	1.2	8.7	77.0	70.4	146.8	4.3	0.6	12.4
23	Apparel and other textile products -----	E1	12	10	1.5	8.8	1.3	2.4	7.0	20.4	13.7	35.7	0.8	1.3	11.4
232	Men's and boys' furnishings -----	E1	5	5	0.9	5.2	0.9	1.7	4.6	14.7	9.9	26.1	(D)	(NA)	(NA)
24	Lumber and wood products --	-	22	7	0.5	4.6	0.4	0.9	3.4	8.8	14.0	22.2	0.8	0.5	6.0

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Evansville, Ind.-Ky., SMSA—Con.														
25	Furniture and fixtures-----	-	18	8	1.9	16.4	1.7	3.1	13.6	27.2	26.5	53.8	1.1	1.7	16.7
251	Household furniture-----	-	12	8	1.9	16.1	1.6	3.0	13.3	26.4	25.9	52.5	1.0	(NA)	(NA)
27	Printing and publishing-----	-	57	13	1.9	23.8	1.0	2.0	13.0	46.2	25.6	70.9	2.6	1.6	24.0
2711	Newspapers-----	-	15	6	0.8	7.4	0.2	0.4	2.6	17.3	5.7	22.9	(D)	(NA)	(NA)
275	Commercial printing-----	-	35	5	1.0	15.2	0.7	1.4	9.7	27.0	19.2	45.4	2.1	0.8	13.7
28	Chemicals and allied products-----	-	20	8	3.1	45.5	1.6	3.6	20.3	300.6	145.7	440.9	(D)	2.4	136.5
30	Rubber and miscellaneous plastics products-----	-	29	20	3.3	36.5	2.7	5.5	26.5	73.8	73.5	146.1	4.6	3.3	46.7
32	Stone, clay, and glass products-----	-	22	5	0.3	3.9	0.2	0.5	2.7	8.7	8.5	17.1	0.5	0.5	7.6
327	Concrete, gypsum, and plaster products-----	-	18	5	0.3	3.8	0.2	0.5	2.7	8.6	8.4	16.9	(D)	0.5	7.4
34	Fabricated metal products---	-	33	16	3.9	47.6	2.9	5.6	32.4	87.9	105.1	195.5	2.6	3.6	62.6
344	Fabricated structural metal products-----	-	10	5	1.5	21.8	0.9	2.0	13.0	41.6	55.6	102.3	0.9	1.6	32.6
35	Machinery, except electrical -	-	76	20	3.7	53.2	2.6	5.4	34.3	124.7	96.6	218.6	7.1	3.7	74.8
354	Metalworking machinery---	-	38	7	0.5	6.9	0.4	0.7	4.7	10.5	7.1	17.5	1.3	0.4	6.3
3544	Special dies, tools, jigs, and fixtures-----	E1	34	5	0.4	4.9	0.3	0.6	3.5	7.0	4.3	11.2	(D)	(NA)	(NA)
39	Miscellaneous manufacturing industries ---	-	15	5	0.8	8.6	0.6	1.2	4.7	23.3	15.9	38.2	2.3	0.6	8.9
	Fort Wayne SMSA-----	-	644	266	56.8	844.3	39.7	77.1	520.4	1 927.9	2 902.2	4 807.7	96.5	57.5	1 062.1
20	Food and kindred products --	-	47	29	3.5	47.4	2.3	4.7	28.1	134.1	452.1	583.1	16.9	3.4	79.3
201	Meat products-----	-	9	4	0.7	11.1	0.5	1.3	9.2	36.1	62.5	98.3	(D)	0.5	23.9
202	Dairy products-----	-	6	6	0.5	7.4	0.3	0.6	3.5	21.5	57.6	78.7	0.8	0.5	14.2
205	Bakery products-----	-	10	7	0.7	8.9	0.4	0.8	3.7	16.8	13.9	30.7	0.7	0.6	10.1
24	Lumber and wood products--	-	39	13	1.1	10.9	0.8	1.6	6.6	20.6	25.4	45.7	1.0	0.9	11.5
25	Furniture and fixtures-----	-	11	5	0.5	5.1	0.4	0.7	3.9	8.1	7.1	14.5	0.3	0.5	7.7
251	Household furniture-----	-	6	3	0.3	2.9	0.2	0.4	2.2	5.1	4.5	9.6	(D)	0.4	6.4
26	Paper and allied products---	-	10	8	0.8	8.8	0.6	1.1	5.7	23.4	33.5	57.1	0.7	0.8	12.6
27	Printing and publishing-----	E1	80	14	1.4	15.2	0.8	1.5	8.6	34.8	15.8	50.5	1.9	1.7	26.8
2711	Newspapers-----	-	15	3	0.6	5.9	0.2	0.4	2.4	17.4	6.2	23.6	(D)	(NA)	(NA)
275	Commercial printing-----	-	45	6	0.4	4.5	0.3	0.4	2.9	7.1	5.0	12.1	0.2	0.8	11.5
2752	Commercial printing, lithographic-----	-	21	5	0.3	3.3	0.2	0.3	2.2	5.1	3.7	8.8	0.2	0.7	9.6
30	Rubber and miscellaneous plastics products-----	-	39	24	4.5	57.7	3.6	6.9	42.2	166.6	147.5	311.7	12.1	3.4	79.8
3069	Fabricated rubber products, n.e.c.-----	-	8	6	1.2	13.4	0.9	1.6	8.1	28.0	22.2	51.5	0.5	1.0	11.5
33	Primary metal industries-----	-	30	24	4.0	59.9	3.1	6.3	42.2	127.2	427.2	548.4	8.4	3.7	101.0
3321	Gray iron foundries-----	-	4	4	0.7	8.2	0.6	1.2	6.3	19.8	14.5	34.1	1.9	0.7	11.7
34	Fabricated metal products---	-	76	34	4.0	49.5	3.1	6.2	34.0	110.6	138.6	249.9	5.8	3.4	65.9
344	Fabricated structural metal products-----	-	16	4	0.4	5.6	0.3	0.6	3.8	10.3	16.0	26.1	0.3	0.6	7.1
346	Metal forgings and stampings-----	-	8	8	0.8	10.9	0.6	1.3	7.1	25.2	28.0	52.9	1.7	(NA)	(NA)
349	Miscellaneous fabricated metal products-----	-	21	10	1.1	12.7	0.8	1.6	8.2	26.5	35.6	63.3	1.3	1.2	29.2
3494	Valves and pipe fittings---	-	6	6	0.8	9.6	0.6	1.2	6.1	22.2	21.4	43.5	0.8	(NA)	(NA)
35	Machinery, except electrical -	-	145	47	6.7	100.6	5.2	9.8	71.2	184.5	135.5	322.9	7.4	6.3	109.0
354	Metalworking machinery---	E1	57	23	1.8	27.5	1.3	2.8	18.6	41.3	18.5	59.3	2.2	1.5	23.9
3544	Special dies, tools, jigs, and fixtures-----	E1	49	19	1.4	22.5	1.1	2.4	15.4	31.7	11.7	43.3	1.9	1.2	17.9
359	Miscellaneous machinery, except electrical-----	-	48	6	2.0	31.7	1.6	3.0	25.5	44.5	25.8	70.4	1.5	1.7	28.2
36	Electric and electronic equipment-----	-	27	18	11.9	161.3	8.1	16.1	93.0	321.7	161.6	480.7	14.9	16.6	247.6
39	Miscellaneous manufacturing industries ---	-	22	4	0.4	3.5	0.3	0.6	2.3	10.1	7.5	17.5	(D)	0.3	4.3
--	Administrative and auxiliary --	-	15	11	3.8	83.0	-	-	-	-	-	-	-	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Gary-Hammond-East Chicago SMSA -----	-	479	190	98.2	1 849.9	75.6	147.7	1 367.0	3 517.6	7 863.9	11 369.4	530.5	99.4	2 159.0
20	Food and kindred products --	-	34	14	2.5	40.1	1.6	3.3	25.3	122.1	232.0	352.0	7.7	2.9	79.1
26	Paper and allied products ---	-	5	5	0.6	9.1	0.5	1.2	7.6	29.5	19.9	47.6	1.0	0.7	11.6
2711	Newspapers -----	-	15	4	0.8	10.3	0.3	0.5	3.6	23.6	9.0	32.6	1.2	0.9	18.7
28	Chemicals and allied products -----	-	26	13	2.2	40.8	1.6	3.3	28.7	193.9	239.3	430.4	26.0	2.7	180.4
281	Industrial inorganic chemicals -----	-	9	6	0.6	11.6	0.4	1.0	8.1	74.9	85.9	156.9	(D)	0.5	39.0
33	Primary metal industries ----	-	29	22	65.3	1 312.6	51.3	99.5	991.7	2 079.8	4 548.3	6 662.2	385.6	65.5	1 321.1
3312	Blast furnaces and steel mills -----	-	5	5	60.5	1 228.2	47.7	92.3	931.1	1 847.0	4 125.6	6 014.0	381.2	59.4	1 200.3
34	Fabricated metal products ---	-	62	39	8.0	143.5	6.1	12.3	106.9	384.2	438.3	804.4	9.7	7.9	133.0
344	Fabricated structural metal products -----	-	27	17	2.2	35.7	1.5	2.9	23.1	94.6	85.0	157.5	2.3	2.5	41.3
3441	Fabricated structural metal -----	E1	9	6	0.9	15.0	0.6	1.2	10.0	37.1	26.2	49.8	1.0	1.4	16.2
3443	Fabricated plate work (boiler shops) -----	-	7	6	0.9	15.2	0.6	1.2	9.1	47.9	45.6	85.6	(D)	0.6	19.0
3444	Sheet metal work -----	-	6	5	0.3	5.2	0.3	0.5	3.8	9.3	12.9	21.5	(D)	(NA)	(NA)
345	Screw machine products, bolts, etc. -----	-	8	6	0.6	7.9	0.4	0.8	5.7	12.7	17.7	36.2	0.5	0.3	5.8
3452	Bolts, nuts, rivets, and washers -----	-	4	4	0.5	7.3	0.4	0.7	5.2	11.3	16.6	33.7	(D)	(NA)	(NA)
349	Miscellaneous fabricated metal products -----	-	10	7	1.7	27.0	1.2	2.5	18.6	57.9	57.3	112.7	4.3	1.3	26.4
36	Electric and electronic equipment -----	-	7	4	0.5	5.3	0.4	0.7	3.1	13.3	7.8	20.7	0.8	0.7	10.1
37	Transportation equipment ---	-	14	8	6.4	106.2	5.2	10.2	79.2	184.8	175.3	382.3	4.1	3.6	73.5
38	Instruments and related products -----	-	7	3	0.3	2.3	0.2	0.4	1.5	3.8	1.9	5.7	0.2	(NA)	(NA)
39	Miscellaneous manufacturing industries ---	E5	17	5	0.3	2.5	0.2	0.4	1.7	4.5	3.8	8.3	0.2	(NA)	(NA)
	Indianapolis SMSA -----	-	1 660	576	124.0	1 980.6	83.1	164.3	1 180.3	3 922.2	4 079.7	7 898.5	288.8	122.5	2 525.3
20	Food and kindred products --	-	75	40	7.2	96.6	4.4	8.9	55.3	286.4	643.8	924.9	17.0	6.9	190.1
201	Meat products -----	-	11	3	0.8	10.1	0.5	0.9	6.0	14.5	65.1	79.6	(D)	(NA)	(NA)
202	Dairy products -----	-	6	5	0.7	11.1	0.4	0.8	5.2	41.0	93.8	134.5	(D)	1.0	23.5
203	Preserved fruits and vegetables -----	-	9	6	1.0	10.0	0.8	1.6	7.3	26.7	74.1	100.8	(D)	1.0	20.1
204	Grain mill products -----	-	6	6	1.0	18.0	0.7	1.8	13.0	54.1	142.0	193.8	(D)	1.0	44.5
205	Bakery products -----	-	12	5	1.4	19.8	0.9	1.8	12.0	47.9	37.0	84.7	(D)	1.3	30.3
208	Beverages -----	-	11	8	1.5	17.7	0.5	0.9	5.3	41.5	64.5	105.3	(D)	0.9	18.1
23	Apparel and other textile products -----	-	42	12	1.5	11.0	1.2	2.3	7.5	18.7	27.0	45.9	0.4	1.1	8.9
24	Lumber and wood products --	-	68	20	1.8	17.0	1.5	2.9	11.0	35.9	37.0	72.6	4.6	1.1	16.6
243	Millwork, plywood, and structural members -----	-	27	14	1.3	13.5	1.1	2.3	8.7	26.7	26.0	52.9	3.4	0.7	7.6
2434	Wood kitchen cabinets --	E1	11	5	0.3	2.8	0.2	0.4	2.0	5.2	3.4	8.4	0.1	(NA)	(NA)
2435	Hardwood veneer and plywood -----	-	8	7	0.9	9.1	0.8	1.7	5.9	18.5	18.0	36.8	3.2	0.4	3.4
25	Furniture and fixtures -----	-	35	11	2.9	32.6	2.4	4.4	24.9	30.6	66.9	97.5	1.8	1.1	13.1
26	Paper and allied products ---	E1	47	30	3.2	37.9	2.4	4.7	24.6	76.5	97.1	172.4	5.2	3.4	50.0
264	Miscellaneous converted paper products -----	-	27	16	1.8	19.6	1.4	2.6	12.9	42.1	55.9	97.0	3.5	1.8	27.3
2643	Bags, except textile bags -----	-	7	5	0.7	7.4	0.6	1.1	4.7	13.5	18.0	31.6	(D)	0.9	11.2
2653	Corrugated and solid fiber boxes -----	E2	11	9	0.7	9.8	0.6	1.1	6.5	19.6	26.9	46.4	0.9	0.7	10.8
2711	Newspapers -----	-	35	9	2.4	32.7	1.0	1.6	14.8	60.7	23.4	84.1	2.5	2.4	42.3
2721	Periodicals -----	E2	17	5	0.4	3.4	(Z)	0.1	0.2	5.4	9.5	14.5	0.4	(NA)	(NA)
2741	Miscellaneous publishing -----	-	9	3	0.4	5.9	0.2	0.4	3.7	14.8	4.0	18.5	(Z)	(NA)	(NA)
275	Commercial printing -----	E1	160	29	1.8	22.5	1.4	2.6	15.5	43.5	28.3	71.3	2.4	1.9	31.3
278	Blankbooks and bookbinding -----	-	8	4	0.3	4.1	0.3	0.6	3.2	8.3	2.4	10.6	0.4	0.4	5.9
28	Chemicals and allied products -----	-	68	24	9.7	200.0	2.8	4.8	40.8	553.8	390.0	910.8	51.1	10.6	448.7
30	Rubber and miscellaneous plastics products -----	-	57	20	3.6	50.4	2.6	5.3	34.2	95.4	108.8	201.7	5.7	3.9	65.3
3079	Miscellaneous plastics products -----	-	44	16	1.0	12.1	0.8	1.6	7.2	31.4	36.0	66.6	(D)	0.9	15.6
32	Stone, clay, and glass products -----	-	90	24	2.7	31.8	2.2	4.3	23.3	80.4	64.6	143.7	6.4	2.9	54.1
327	Concrete, gypsum, and plaster products -----	-	60	14	0.9	13.0	0.6	1.2	8.1	26.6	29.0	55.1	3.1	0.9	24.9
3272	Concrete products, n.e.c. -----	E1	27	4	0.3	4.3	0.2	0.4	2.6	8.6	7.9	16.2	0.5	0.4	8.4
3273	Ready-mixed concrete ---	-	26	6	0.4	6.3	0.3	0.6	4.4	12.7	14.8	27.4	2.0	0.3	11.7
329	Miscellaneous nonmetallic mineral products -----	-	8	7	1.3	12.5	1.1	2.2	9.8	39.0	23.6	62.1	(D)	1.0	17.0

See footnotes at end of table.

Table 6. **Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.**

includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Includes industry groups and industries with 250 employees or more in 1977. For details on SMSA's, see appendix A. For explanation of terms, see appendix B)															1972			
SIC code	SMSA and industry	1977										Value added by manufacture (million dollars)		Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
		All establishments		All employees		Production workers												
		E ¹	Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)									
	Indianapolis SMSA—Con.																	
33	Primary metal industries ----	-	42	18	4.1	71.5	3.4	6.8	55.5	146.7	211.6	359.4	6.0	4.1	103.6			
34	Fabricated metal products ---	-	206	81	8.3	111.4	6.4	12.4	74.4	235.0	216.1	447.7	16.8	7.3	122.0			
342	Cutlery, hand tools, and hardware ----	-	12	3	0.7	8.3	0.6	1.1	5.9	21.3	11.2	32.4	(D)	(NA)	(NA)			
344	Fabricated structural metal products ----	-	62	27	2.5	38.5	1.6	3.1	22.5	71.3	80.5	149.0	3.2	2.1	36.2			
3441	Fabricated structural metal ----	-	12	5	0.3	4.8	0.2	0.4	2.4	9.4	11.0	20.0	0.4	0.4	7.5			
3442	Metal doors, sash, and trim ----	-	9	4	0.4	4.3	0.2	0.4	1.8	12.1	10.1	20.9	0.2	(NA)	(NA)			
3443	Fabricated plate work (boiler shops) ----	-	9	5	0.8	14.8	0.5	1.1	9.2	25.4	23.8	48.8	1.5	0.7	11.1			
3444	Sheet metal work ----	-	22	9	0.7	10.1	0.5	1.0	7.6	17.4	20.1	36.9	0.5	0.7	13.1			
345	Screw machine products, bolts, etc. ----	E1	25	11	1.0	12.3	0.9	1.8	9.8	23.6	13.3	36.7	0.7	0.9	11.8			
347	Metal services, n.e.c. ----	-	45	15	1.4	17.0	1.1	2.2	11.6	42.8	30.7	73.4	8.1	1.1	17.9			
3471	Plating and polishing ----	E2	31	9	0.6	5.8	0.5	1.0	4.2	9.8	4.8	14.6	(D)	0.7	10.2			
3479	Metal coating and allied services ----	-	14	6	0.7	11.2	0.6	1.2	7.5	33.0	25.9	58.8	(D)	0.4	7.7			
349	Miscellaneous fabricated metal products ----	-	35	15	1.6	17.9	1.3	2.3	11.5	32.0	35.5	67.0	1.2	0.8	13.1			
3494	Valves and pipe fittings -	-	7	2	0.3	3.9	0.2	0.3	2.2	7.4	4.8	12.5	0.4	0.3	5.8			
3499	Fabricated metal products, n.e.c. ----	E1	16	7	0.8	8.3	0.6	1.2	5.2	11.5	15.2	26.8	0.4	0.3	4.0			
35	Machinery, except electrical -	-	349	102	14.7	203.5	10.3	20.3	125.3	371.2	306.3	667.4	21.6	16.1	277.6			
352	Farm and garden machinery ----	-	11	6	0.6	7.4	0.5	0.9	4.5	16.7	21.0	37.8	(D)	0.6	8.7			
353	Construction and related machinery ----	E1	17	7	1.0	14.8	0.7	1.4	9.1	28.5	33.3	64.2	1.8	1.4	20.3			
354	Metalworking machinery ----	-	105	36	1.9	29.2	1.5	3.2	19.4	53.8	26.0	77.8	2.6	1.5	27.6			
3544	Special dies, tools, jigs, and fixtures ----	-	73	25	1.1	17.6	0.9	2.2	13.2	30.6	12.9	42.5	1.6	1.2	20.4			
3549	Metalworking machinery, n.e.c. ----	-	8	5	0.4	6.1	0.2	0.5	3.0	12.0	7.6	18.8	0.3	(NA)	(NA)			
355	Special industry machinery ----	-	26	9	1.0	15.6	0.6	1.2	7.0	30.7	16.2	48.4	(D)	0.9	15.9			
3559	Special industry machinery, n.e.c. ----	-	14	4	0.7	11.6	0.4	0.8	4.7	26.4	10.5	35.7	1.1	(NA)	(NA)			
356	General industrial machinery ----	-	45	19	6.9	95.8	4.8	9.0	60.9	182.9	114.4	283.5	9.4	7.5	131.6			
3564	Blowers and fans ----	-	10	5	0.8	8.6	0.5	1.1	5.9	18.7	15.5	33.9	(D)	0.9	15.7			
359	Miscellaneous machinery, except electrical ----	E2	122	17	1.3	15.1	1.1	2.1	10.8	26.2	12.3	38.5	1.8	1.0	16.4			
36	Electric and electronic equipment ----	-	67	31	17.8	256.2	14.8	28.5	198.9	589.0	472.2	1 056.3	39.4	19.6	376.7			
3662	Radio and TV communication equipment ----	-	12	6	1.2	10.3	0.9	1.6	5.6	21.1	40.3	72.7	1.0	(NA)	(NA)			
367	Electronic components and accessories ----	E2	19	5	0.4	4.0	0.3	0.6	2.4	6.5	4.4	10.7	0.4	(NA)	(NA)			
37	Transportation equipment ---	-	59	29	29.4	603.8	21.8	46.0	422.9	1 097.6	1 089.7	2 151.4	94.0	27.8	611.3			
38	Instruments and related products ----	E2	45	15	1.6	18.3	1.0	2.0	9.0	43.8	19.9	62.8	1.2	1.5	25.7			
39	Miscellaneous manufacturing industries ---	-	56	11	1.2	13.0	0.9	1.8	9.0	34.7	19.2	54.0	0.8	1.4	20.9			
399	Miscellaneous manufactures ----	E3	33	5	0.3	3.0	0.2	0.4	2.0	5.0	2.7	7.8	0.1	0.3	4.5			
-	Administrative and auxiliary --	-	55	30	5.8	111.1	-	-	-	-	-	-	-	(NA)	(NA)			
	Kokomo SMSA -----	-	110	44	24.7	445.8	19.0	38.8	325.2	801.4	609.5	1 399.3	(D)	24.1	551.3			
20	Food and kindred products --	-	12	7	0.6	6.3	0.4	0.7	3.2	15.9	27.7	43.9	(D)	(NA)	(NA)			
27	Printing and publishing ----	-	12	3	0.8	9.3	0.6	0.9	6.5	16.5	5.3	22.2	(D)	(NA)	(NA)			
32	Stone, clay, and glass products ----	E1	10	4	0.4	5.3	0.3	0.6	4.5	10.3	7.3	17.7	(D)	(NA)	(NA)			
34	Fabricated metal products ---	-	15	8	0.8	11.4	0.6	1.3	7.8	24.8	34.2	59.0	1.4	(NA)	(NA)			
35	Machinery, except electrical -	-	18	4	0.3	5.3	0.3	0.6	4.4	7.8	5.9	13.3	(D)	(NA)	(NA)			
	Lafayette-West Lafayette SMSA -----	-	102	49	10.9	163.2	7.9	15.5	106.2	504.6	552.5	1 032.5	147.5	11.1	258.0			
20	Food and kindred products --	-	13	10	1.2	17.7	1.0	2.0	13.0	146.7	184.7	329.1	(D)	1.0	32.2			
27	Printing and publishing ----	-	19	3	0.3	3.7	0.2	0.3	1.8	9.1	2.7	11.8	0.3	0.3	6.3			
34	Fabricated metal products ---	-	6	4	0.3	3.4	0.2	0.4	1.9	5.6	6.9	12.3	(D)	0.8	11.0			
36	Electric and electronic equipment ----	-	6	4	0.8	7.1	0.7	1.4	5.2	16.7	10.4	26.6	(D)	0.7	7.2			

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Louisville, Ky.-Ind., SMSA ---	-	1 109	455	106.9	1 559.2	77.0	148.2	1 005.8	4 440.7	6 340.0	10 707.2	202.5	113.4	3 022.8
20	Food and kindred products --	-	91	56	10.3	142.4	7.0	14.4	88.3	595.7	909.3	1 498.8	18.8	11.7	450.1
201	Meat products -----	-	11	5	1.8	29.2	1.4	3.1	22.1	46.1	232.5	278.5	(D)	(NA)	(NA)
202	Dairy products -----	-	14	7	0.6	7.9	0.3	0.6	2.8	17.0	84.7	101.7	1.8	0.9	14.8
205	Bakery products -----	-	15	9	1.5	20.4	1.0	2.2	10.0	42.9	48.0	90.9	3.0	1.5	26.3
208	Beverages -----	-	20	16	3.6	51.2	2.4	4.6	31.3	349.3	235.1	584.1	4.5	4.9	297.3
2085	Distilled liquor, except brandy -----	-	11	8	2.2	33.9	1.8	3.4	25.5	205.4	165.8	371.2	2.6	3.1	207.1
209	Miscellaneous foods and kindred products -----	-	17	12	1.2	11.7	0.8	1.6	7.2	48.4	61.9	108.8	1.9	0.9	16.8
23	Apparel and other textile products -----	-	28	12	1.9	17.2	1.6	3.2	12.2	41.3	40.1	80.9	0.9	2.3	17.1
239	Miscellaneous fabricated textile products -----	-	15	4	0.5	5.2	0.4	0.9	3.5	8.9	13.4	21.6	0.4	0.4	4.3
24	Lumber and wood products --	-	87	40	4.8	49.3	4.1	7.5	37.0	86.5	103.6	190.0	4.8	5.5	87.2
242	Sawmills and planing mills --	-	14	6	0.9	8.9	0.7	1.3	6.2	14.3	11.2	25.6	0.6	0.9	11.6
2426	Hardwood dimension and flooring -----	-	7	4	0.7	7.5	0.6	1.1	5.1	12.4	9.3	21.8	(D)	(NA)	(NA)
243	Millwork, plywood, and structural members -----	-	42	22	3.0	31.3	2.5	4.7	23.4	59.9	65.5	123.5	3.8	3.2	54.3
2434	Wood kitchen cabinets --	-	17	8	1.3	16.3	1.2	2.0	12.9	35.0	36.3	70.4	1.3	1.5	31.5
2435	Hardwood veneer and plywood -----	-	12	10	1.4	11.9	1.1	2.2	8.4	20.1	24.2	43.5	2.2	1.4	19.2
244	Wood containers -----	-	16	7	0.7	7.3	0.6	1.1	6.1	8.3	21.6	31.6	0.2	0.9	15.0
25	Furniture and fixtures -----	-	33	12	1.4	13.6	1.1	2.2	9.2	29.5	28.4	57.4	1.4	1.7	22.0
251	Household furniture -----	-	20	7	0.7	6.4	0.6	1.1	4.0	12.6	14.0	26.6	(D)	1.5	19.8
26	Paper and allied products ---	-	29	21	1.8	22.8	1.4	2.6	15.1	49.2	76.5	125.9	4.3	2.1	33.2
265	Paperboard containers and boxes -----	-	20	17	1.5	20.0	1.1	2.2	13.6	43.1	69.4	112.7	4.2	1.7	26.3
2651	Folding paperboard boxes -----	-	5	4	0.3	4.6	0.3	0.5	3.2	9.3	15.4	24.7	(D)	(NA)	(NA)
2653	Corrugated and solid fiber boxes -----	-	10	8	0.9	11.6	0.6	1.2	7.4	23.9	40.8	64.4	(D)	1.0	14.2
27	Printing and publishing -----	-	181	42	6.8	89.6	4.6	8.6	54.9	155.6	93.8	248.6	7.9	7.5	110.3
273	Books -----	-	7	4	1.1	8.0	0.8	1.3	5.4	14.6	8.5	22.5	(D)	(NA)	(NA)
275	Commercial printing -----	-	116	31	3.8	52.4	3.0	5.8	38.0	92.0	59.1	150.8	4.5	4.8	71.5
2751	Commercial printing, letterpress -----	E1	59	7	0.5	6.0	0.4	0.8	4.1	8.1	8.0	16.1	0.7	0.6	7.1
2753	Engraving and plate printing -----	E1	10	5	0.3	3.4	0.2	0.4	2.8	5.5	1.6	7.2	0.1	(NA)	(NA)
28	Chemicals and allied products -----	-	71	39	8.8	145.6	5.6	11.1	86.8	562.5	824.7	1 387.1	46.3	8.6	387.7
281	Industrial inorganic chemicals -----	-	11	5	1.1	14.4	0.7	1.3	9.3	42.8	61.0	105.3	2.7	1.0	20.1
2819	Industrial inorganic chemicals, n.e.c. -----	-	7	5	1.0	14.1	0.6	1.3	9.0	41.9	60.5	103.8	(D)	(NA)	(NA)
282	Plastics materials and synthetics -----	-	5	5	4.0	76.2	2.9	5.8	50.9	247.8	451.2	698.1	(D)	3.6	160.5
2851	Paints and allied products -----	-	20	17	1.5	20.8	0.7	1.4	8.1	82.6	99.1	182.0	1.8	1.9	76.2
286	Industrial organic chemicals -----	-	4	3	0.5	6.0	0.3	0.6	3.5	26.9	41.2	68.3	(D)	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	-	35	13	2.0	22.5	1.6	3.2	15.4	66.7	61.9	127.3	9.3	(NA)	(NA)
32	Stone, clay, and glass products -----	-	55	20	2.1	28.2	1.5	3.0	19.7	73.5	55.6	129.1	16.3	2.2	58.8
327	Concrete, gypsum, and plaster products -----	E2	34	12	0.7	8.3	0.5	0.9	4.7	17.4	21.1	37.7	(D)	0.7	14.2
3272	Concrete products, n.e.c. -----	E1	14	5	0.3	3.4	0.2	0.4	2.0	7.5	8.2	14.9	1.5	(NA)	(NA)
3273	Ready-mixed concrete --	E3	16	7	0.3	4.3	0.2	0.4	2.4	8.4	11.2	19.6	(D)	0.4	8.4
33	Primary metal industries ----	-	19	11	2.2	37.2	1.8	3.7	29.1	53.3	291.1	338.5	3.6	2.5	61.2
3354	Aluminum extruded products -----	-	4	3	0.5	7.1	0.4	0.9	5.7	12.5	33.5	45.8	0.7	(NA)	(NA)
34	Fabricated metal products ---	-	123	57	9.6	131.9	7.1	14.0	88.6	256.8	288.9	545.3	12.9	13.1	160.9
344	Fabricated structural metal products -----	-	49	23	1.5	21.2	1.1	2.2	14.1	41.1	46.6	87.9	1.4	1.3	23.1
3443	Fabricated plate work (boiler shops) -----	-	15	8	0.6	9.6	0.5	0.9	6.4	18.2	13.5	31.3	0.6	0.4	7.4
3444	Sheet metal work -----	-	13	8	0.4	5.5	0.3	0.6	4.1	11.7	18.9	30.7	0.1	0.4	8.8
346	Metal forgings and stampings -----	-	9	4	0.5	5.9	0.4	0.8	4.4	9.2	8.2	17.3	0.4	1.0	11.7
347	Metal services, n.e.c. -----	-	17	6	0.3	2.6	0.2	0.4	1.7	4.9	3.4	8.3	0.1	(NA)	(NA)
349	Miscellaneous fabricated metal products -----	-	30	13	3.6	48.3	2.5	4.6	31.0	85.4	137.8	223.9	6.6	2.7	47.8
3499	Fabricated metal products, n.e.c. -----	-	21	5	0.6	6.6	0.5	0.9	4.3	17.9	17.8	34.9	(D)	(NA)	(NA)

See footnotes at end of table.

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[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

[Includes industry groups and industries with 250 employees or more within SMSA's and SMSA's, except SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977											1972		
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Louisville, Ky.-Ind., SMSA—Con.														
35	Machinery, except electrical -	-	151	51	15.0	224.6	11.6	21.8	161.1	386.2	454.4	830.5	24.0	16.4	291.5
353	Construction and related machinery -	-	21	12	1.6	21.4	0.9	1.7	11.5	43.7	34.7	77.1	3.1	1.2	27.4
3535	Conveyors and conveying equipment -	-	11	9	1.2	16.3	0.7	1.3	8.5	31.2	25.9	56.4	(D)	(NA)	(NA)
355	Special industry machinery -	-	19	11	0.7	10.3	0.4	0.8	5.6	14.3	12.6	27.4	0.8	0.8	10.4
3559	Special industry machinery, n.e.c. -	-	11	5	0.3	3.3	0.1	0.3	1.8	5.8	6.4	12.4	0.3	(NA)	(NA)
356	General industrial machinery -	-	15	8	0.9	11.2	0.6	1.2	6.3	25.7	19.3	46.1	0.9	1.3	34.5
3569	General industrial machinery, n.e.c. -	-	6	3	0.3	2.4	0.2	0.4	1.4	4.6	5.9	10.7	0.1	(NA)	(NA)
359	Miscellaneous machinery, except electrical -	E1	49	6	0.9	10.9	0.7	1.3	7.8	19.9	6.6	26.0	0.6	0.9	14.9
3714	Motor vehicle parts and accessories -	-	6	3	0.4	5.0	0.3	0.6	3.0	11.4	14.4	26.0	(D)	0.5	7.1
38	Instruments and related products -	E1	14	2	0.3	2.8	0.2	0.4	1.8	5.9	3.2	9.0	0.2	(NA)	(NA)
39	Miscellaneous manufacturing industries -	-	54	11	1.0	10.6	0.8	1.5	7.6	25.5	21.2	46.1	0.6	1.3	20.2
394	Toys and sporting goods -	-	8	4	0.5	6.0	0.5	0.9	5.0	17.9	15.0	32.4	0.4	(NA)	(NA)
-	Administrative and auxiliary -	-	51	32	7.2	133.7	-	-	-	-	-	-	-	(NA)	(NA)
	Muncie SMSA -	-	179	66	14.2	230.8	10.5	21.4	163.0	422.9	495.5	914.7	131.7	17.1	275.1
20	Food and kindred products -	-	15	9	1.3	21.8	0.9	2.0	14.1	39.5	145.2	184.0	(D)	1.5	29.4
26	Paper and allied products -	-	6	5	0.5	6.0	0.4	0.9	4.5	16.2	18.7	34.7	(D)	0.6	9.0
27	Printing and publishing -	E2	17	5	0.4	4.9	0.2	0.4	2.9	9.9	3.8	13.7	0.4	(NA)	(NA)
33	Primary metal industries -	-	11	6	0.8	11.5	0.6	1.3	8.5	26.7	25.0	50.6	1.1	(NA)	(NA)
34	Fabricated metal products -	-	33	14	2.3	31.3	1.8	3.5	21.9	62.0	75.1	137.6	(D)	2.3	36.3
344	Fabricated structural metal products -	-	6	2	0.3	3.6	0.2	0.4	2.6	5.9	7.5	13.8	(D)	0.3	3.1
35	Machinery, except electrical -	-	46	11	1.0	14.2	0.7	1.5	9.1	22.6	10.1	31.3	2.2	0.9	14.7
354	Metalworking machinery -	-	30	8	0.7	10.1	0.5	1.2	7.4	16.5	5.9	21.5	2.0	0.5	9.0
3544	Special dies, tools, jigs, and fixtures -	-	24	5	0.4	6.3	0.3	0.7	4.5	10.6	3.3	13.2	(D)	(NA)	(NA)
	South Bend SMSA -	-	550	224	33.1	461.4	23.8	46.2	295.5	997.9	1 191.9	2 200.9	58.2	30.8	560.4
20	Food and kindred products -	-	33	16	0.9	11.8	0.6	1.2	6.1	40.3	82.9	120.8	3.3	1.5	35.4
24	Lumber and wood products -	-	30	13	0.7	8.3	0.6	1.1	5.5	17.4	31.4	48.9	1.5	0.9	12.1
243	Millwork, plywood, and structural members -	-	10	6	0.4	4.6	0.3	0.6	2.9	9.5	22.2	31.8	1.1	0.4	6.5
26	Paper and allied products -	-	16	10	0.6	7.1	0.5	0.9	4.3	15.9	24.8	40.7	1.6	0.3	6.6
265	Paperboard containers and boxes -	-	9	5	0.3	3.8	0.2	0.5	2.0	9.2	12.5	21.6	0.4	(NA)	(NA)
27	Printing and publishing -	E1	62	10	1.1	12.3	0.5	0.9	5.7	27.1	13.9	41.0	0.9	0.9	16.0
275	Commercial printing -	E2	34	5	0.3	4.0	0.2	0.4	2.8	7.3	4.8	12.1	0.4	(NA)	(NA)
28	Chemicals and allied products -	-	15	7	0.4	6.4	0.2	0.5	2.1	19.4	38.8	59.0	1.2	0.4	7.8
30	Rubber and miscellaneous plastics products -	-	46	26	4.0	50.1	3.0	6.0	33.9	119.0	108.3	226.4	9.7	4.1	65.0
32	Stone, clay, and glass products -	-	20	6	0.4	5.2	0.2	0.4	2.8	15.1	9.3	23.7	2.1	0.4	5.4
33	Primary metal industries -	-	25	17	1.5	20.0	1.2	2.3	13.7	48.5	71.0	116.9	3.6	1.4	28.5
34	Fabricated metal products -	E1	61	31	2.0	25.6	1.6	3.4	18.4	57.2	71.9	127.6	2.2	2.0	30.9
344	Fabricated structural metal products -	-	23	11	0.6	8.5	0.5	1.0	5.8	17.1	32.4	49.2	0.9	0.5	8.1
346	Metal forgings and stampings -	E1	9	5	0.7	9.4	0.6	1.4	7.5	18.9	22.9	40.8	0.3	0.8	13.2
349	Miscellaneous fabricated metal products -	E2	11	6	0.3	3.0	0.2	0.4	1.9	5.7	5.4	10.9	0.5	(NA)	(NA)
35	Machinery, except electrical -	-	122	42	7.7	114.7	5.5	10.8	74.4	248.3	162.6	409.7	12.6	7.2	135.4
354	Metalworking machinery -	-	43	12	1.1	18.5	0.8	1.6	12.2	30.9	12.9	43.0	1.3	1.1	16.0
359	Miscellaneous machinery, except electrical -	E1	45	10	0.5	7.3	0.4	0.8	4.9	13.4	7.9	21.2	0.8	0.5	9.2
3599	Machinery, except electrical, n.e.c. -	E1	45	10	0.5	7.3	0.4	0.8	4.9	13.4	7.9	21.2	0.8	0.5	9.2
369	Miscellaneous electrical equipment and supplies -	-	12	6	1.2	8.2	1.1	2.1	6.3	17.7	15.8	33.5	(D)	(NA)	(NA)
38	Instruments and related products -	-	10	1	0.3	2.8	0.2	0.3	1.5	3.5	4.4	7.4	(D)	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSEA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSEA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Terre Haute SMSA -----	-	205	80	16.1	199.9	11.6	22.8	133.5	607.4	691.0	1 287.4	46.6	14.9	308.6
20	Food and kindred products --	-	24	11	1.6	17.6	1.1	2.0	11.9	64.5	86.4	150.4	3.7	2.4	52.2
23	Apparel and other textile products -----	-	6	4	0.4	2.0	0.3	0.4	1.6	2.6	0.7	3.3	(Z)	0.7	6.9
24	Lumber and wood products --	E1	27	6	0.3	3.4	0.3	0.4	2.0	6.9	10.9	17.9	0.7	0.3	3.6
26	Paper and allied products ---	-	7	6	1.2	15.0	1.0	1.9	10.5	47.0	55.1	101.8	6.1	(NA)	(NA)
27	Printing and publishing -----	-	25	10	1.3	12.6	0.5	0.9	5.3	41.0	23.8	64.7	1.6	1.3	26.9
275	Commercial printing -----	-	11	5	0.3	3.8	0.2	0.4	2.5	6.3	5.8	12.1	(D)	(NA)	(NA)
28	Chemicals and allied products -----	-	12	6	1.9	29.6	1.1	2.4	15.8	169.1	94.2	259.2	19.2	1.3	39.5
30	Rubber and miscellaneous plastics products -----	-	11	8	0.9	11.8	0.6	1.1	6.8	37.0	35.9	72.1	2.6	1.2	24.5
3079	Miscellaneous plastics products -----	-	11	8	0.9	11.8	0.6	1.1	6.8	37.0	35.9	72.1	2.6	1.2	24.5
32	Stone, clay, and glass products -----	-	22	5	0.9	10.7	0.7	1.5	8.9	23.7	21.6	45.6	0.7	1.0	16.5
34	Fabricated metal products ---	-	6	4	1.2	14.5	0.7	1.6	8.8	36.7	28.8	65.3	(D)	(NA)	(NA)
35	Machinery, except electrical -	-	33	6	1.0	15.3	0.7	1.3	9.6	45.0	38.0	82.4	1.5	1.1	24.9

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (S) Withheld because estimate did not meet publication standards.

(Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977												1972	
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
265	Adams County -----	-	59	35	5.6	62.7	4.4	8.7	44.0	148.9	372.6	515.1	16.9	5.0	82.3
	Allen County -----	-	474	186	42.8	672.7	28.9	56.0	403.0	1 513.4	2 285.4	3 785.9	62.4	44.9	831.8
	Paperboard containers and boxes -----	-	6	6	0.5	6.5	0.4	0.8	4.1	13.5	24.8	38.3	0.7	0.5	8.2
33	Primary metal industries -----	-	19	16	2.7	44.9	2.0	4.3	31.5	94.2	390.6	479.0	4.3	2.7	83.2
35	Machinery, except electrical --	-	111	38	5.6	85.2	4.3	8.2	59.6	150.5	100.6	254.9	6.2	5.4	89.1
354	Metalworking machinery ---	E1	44	20	1.5	24.5	1.2	2.5	16.5	35.4	16.6	52.1	1.9	(NA)	(NA)
359	Miscellaneous machinery, except electrical -----	-	33	5	1.9	31.0	1.6	2.9	25.1	43.1	25.2	68.4	1.3	1.7	27.7
36	Electric and electronic equipment -----	-	22	14	8.4	119.2	5.6	10.9	67.1	233.0	118.9	351.8	8.9	(NA)	(NA)
--	Administrative and auxiliary --	-	14	11	3.8	82.9	-	-	-	-	-	-	-	(NA)	(NA)
	Bartholomew County -----	-	76	36	17.3	294.1	11.3	22.7	169.1	716.1	720.9	1 414.9	36.1	15.9	327.4
34	Fabricated metal products ---	-	8	4	0.5	6.2	0.4	0.8	5.2	14.7	14.0	27.0	(D)	0.7	11.2
	Blackford County -----	-	31	11	2.0	24.1	1.6	3.1	16.8	81.5	88.0	167.3	2.0	2.3	57.2

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies.
For explanation of terms, see appendix B]

Includes counties with 450 employees or more and industry groups and industries that account for 90 percent of the total. For explanation of terms, see appendix B)															1972	
SIC code	County and industry	1977														
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)			
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)							
35	Boone County -----	-	46	13	1.2	13.9	0.8	1.6	7.8	29.2	31.2	59.6	1.3	1.5	18.5	
	Machinery, except electrical --	-	16	7	0.7	8.1	0.4	0.9	4.5	16.4	16.4	32.3	0.6	0.8	11.0	
	Carroll County -----	-	24	9	1.3	12.4	1.1	2.2	9.1	30.2	37.2	66.5	3.1	1.4	20.8	
	Cass County -----	-	67	31	5.6	64.7	4.4	8.7	47.9	141.0	382.5	521.7	8.2	5.0	87.9	
34	Fabricated metal products ---	-	15	8	1.0	13.9	0.8	1.7	10.4	28.2	25.8	53.8	1.4	0.9	14.4	
36	Electric and electronic equipment -----	-	6	5	1.8	17.0	1.4	2.9	12.4	35.9	39.8	76.9	1.6	1.7	26.1	
24	Clark County -----	-	87	35	7.4	101.3	5.5	10.4	66.8	304.5	291.4	596.5	23.4	11.4	226.2	
	Lumber and wood products --	-	18	7	1.0	11.2	0.9	1.4	9.0	24.9	29.9	54.3	1.3	0.9	20.1	
	243 Millwork, plywood, and structural members -----	-	10	5	0.9	9.8	0.7	1.2	8.0	22.9	27.7	50.1	(D)	0.9	19.7	
	Clay County -----	-	36	12	1.1	11.1	0.9	1.6	8.1	26.3	40.4	66.3	(D)	(D)	(D)	
243	Clinton County -----	-	46	24	4.1	39.2	3.3	6.1	28.7	88.8	186.0	275.3	4.8	3.9	65.4	
	Daviess County -----	-	40	10	1.3	11.6	1.1	1.8	8.8	28.6	53.7	81.1	1.2	1.8	29.7	
	Dearborn County -----	-	32	13	3.4	49.0	2.8	5.8	38.2	187.0	121.7	307.6	(D)	3.9	159.1	
	Decatur County -----	-	32	10	2.5	30.2	2.0	4.2	23.4	104.6	96.9	200.8	4.0	2.2	48.9	
30	De Kalb County -----	-	73	29	5.1	67.6	4.0	7.7	47.9	168.1	182.7	349.1	7.4	4.6	81.9	
	Rubber and miscellaneous plastics products -----	-	5	4	0.9	10.5	0.7	1.2	6.2	22.6	18.9	42.6	(D)	(NA)	(NA)	
	33 Primary metal industries -----	-	6	4	0.7	9.6	0.6	1.2	7.2	20.4	26.4	46.8	2.0	(NA)	(NA)	
	34 Fabricated metal products ---	-	13	7	1.4	17.4	1.1	2.2	12.5	38.1	40.1	79.0	2.2	1.3	19.9	
20	Delaware County (Coextensive with Muncie, Ind., SMSA; see table 6.)	-														
	Dubois County -----	-	107	57	7.4	75.6	5.8	12.4	52.6	155.4	165.4	319.5	12.9	6.5	100.7	
	Food and kindred products --	-	8	3	0.5	3.9	0.3	0.5	2.1	12.0	33.6	46.1	0.6	(NA)	(NA)	
	2511 Wood household furniture -----	E1	17	13	1.4	13.0	1.2	2.6	10.5	26.3	21.8	47.9	(D)	(NA)	(NA)	
243	Elkhart County -----	-	748	351	42.6	524.3	30.8	58.5	321.1	1 163.1	1 433.8	2 577.0	65.8	39.1	750.6	
	Millwork, plywood, and structural members -----	-	38	16	1.7	17.3	1.4	2.7	12.0	36.1	42.2	77.5	2.1	1.8	27.3	
	245 Wood buildings and mobile homes -----	-	41	31	2.5	34.6	1.9	3.6	24.0	60.4	156.8	216.2	(D)	3.9	76.3	
	371 Motor vehicles and equipment -----	-	60	32	5.7	64.1	4.4	8.1	45.3	162.8	331.1	491.2	6.4	1.9	41.8	
3716	Motor homes produced on purchased chassis --	-	22	22	4.2	47.6	3.3	6.1	33.6	129.8	274.5	401.1	5.0	(NA)	(NA)	
373	Ship and boat building and repairing -----	E1	6	6	0.7	6.5	0.6	1.1	4.9	13.3	16.5	29.1	(D)	(NA)	(NA)	
3732	Boat building and repairing -----	E1	6	6	0.7	6.5	0.6	1.1	4.9	13.3	16.5	29.1	(D)	(NA)	(NA)	
34	Administrative and auxiliary --	-	23	11	0.9	16.7	-	-	-	-	-	-	-	(NA)	(NA)	
	Fayette County -----	-	34	14	7.3	101.3	6.1	11.8	77.5	222.4	219.5	437.1	7.8	5.8	98.9	
	Fabricated metal products ---	-	11	6	1.5	18.8	1.2	2.5	14.4	40.0	28.7	66.7	1.2	4.8	80.4	
	Floyd County -----	-	77	34	4.0	40.9	3.3	6.3	29.4	104.6	129.4	231.6	9.3	4.3	79.5	
24	Lumber and wood products --	-	17	11	1.1	10.1	1.0	2.0	7.8	15.9	17.5	33.2	1.4	1.4	18.7	
	243 Millwork, plywood, and structural members -----	-	12	8	1.0	9.1	0.9	1.7	6.9	14.0	16.5	30.2	(D)	1.0	14.6	
	2435 Hardwood veneer and plywood -----	-	8	6	0.8	7.1	0.7	1.4	5.3	9.7	13.4	22.7	(D)	(NA)	(NA)	
	Fountain County -----	-	27	10	2.6	29.6	2.3	4.7	23.8	56.5	45.6	100.6	2.2	2.6	36.7	
34	Franklin County -----	-	15	6	0.6	6.0	0.5	1.1	4.7	13.3	15.0	28.2	0.6	0.8	8.9	
	Fulton County -----	-	54	25	2.7	28.0	2.2	4.2	20.5	67.3	68.7	134.3	2.1	2.1	28.7	
	Grant County -----	-	99	50	15.0	242.2	12.3	25.9	188.7	477.6	585.8	1 056.6	31.2	15.9	329.8	
	Paper and allied products ---	-	9	5	0.8	9.8	0.6	1.2	6.1	24.6	43.0	67.7	1.2	0.7	14.7	
26	Rubber and miscellaneous plastics products -----	-	7	6	1.5	21.0	1.2	2.5	15.5	35.0	39.4	74.1	(D)	1.2	21.1	
30	Stone, clay, and glass products -----	-	7	3	2.3	32.3	1.9	3.8	26.4	56.8	46.2	102.4	(D)	2.4	45.5	
32	Greene County -----	-	30	7	1.2	9.8	1.1	1.9	8.0	21.9	41.4	63.1	2.8	1.3	14.8	

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	E ¹	1977											1972	
			All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
34	Hamilton County -----	-	96	30	4.1	50.1	3.0	5.6	32.3	104.7	105.7	207.5	5.1	3.4	54.9
	Fabricated metal products ---	-	15	6	0.5	6.2	0.4	0.9	4.5	11.0	8.2	18.9	(D)	(NA)	(NA)
	Hancock County -----	-	51	15	2.1	34.1	1.1	2.5	11.5	41.5	51.1	93.3	(D)	1.9	19.5
	Harrison County -----	-	25	7	1.4	12.3	1.2	2.5	9.8	23.1	38.8	61.5	1.2	1.3	15.9
	Hendricks County -----	-	43	9	0.6	6.3	0.5	0.9	3.8	13.2	15.5	28.8	(D)	0.6	7.5
	Henry County -----	-	69	25	5.8	92.2	4.8	8.5	73.3	155.9	149.7	299.8	15.9	5.4	110.9
	Howard County -----	-	86	36	23.9	433.8	18.3	37.5	316.9	775.9	571.9	1 337.3	(D)	23.3	535.3
	Huntington County -----	-	71	39	7.5	63.6	4.6	8.4	36.9	145.5	143.7	282.8	5.6	4.9	65.3
32	Stone, clay, and glass products -----	-	6	5	0.6	5.8	0.3	0.7	4.5	10.9	9.8	20.4	0.6	(NA)	(NA)
36	Electric and electronic equipment -----	-	9	9	2.7	20.4	2.1	3.8	13.6	64.4	45.1	104.1	1.5	1.8	21.2
	Jackson County -----	-	71	36	4.1	41.6	3.4	6.9	30.4	86.4	116.8	202.3	12.4	4.4	65.1
30	Rubber and miscellaneous plastics products -----	-	4	4	0.8	7.9	0.7	1.3	5.2	16.8	12.2	28.6	(D)	1.0	11.4
3079	Miscellaneous plastics products -----	-	4	4	0.8	7.9	0.7	1.3	5.2	16.8	12.2	28.6	(D)	(NA)	(NA)
	Jasper County -----	-	30	9	1.3	12.5	1.1	2.1	9.3	29.3	37.4	65.3	1.8	4.6	94.6
	Jay County -----	-	33	16	4.0	47.1	3.2	6.1	36.0	101.5	97.0	197.3	7.3	4.4	69.0
	Jefferson County -----	-	34	15	3.0	29.9	2.3	4.2	20.2	80.7	60.6	139.0	3.2	3.5	58.8
	Jennings County -----	-	23	13	1.8	20.3	1.5	2.8	15.1	31.6	37.7	69.2	2.8	1.1	14.0
	Johnson County -----	-	85	26	3.7	43.2	2.9	5.5	30.3	108.1	130.9	237.5	6.4	2.6	47.0
24	Lumber and wood products --	-	13	7	0.9	8.3	0.7	1.4	5.3	18.7	18.8	37.3	3.2	(NA)	(NA)
	Knox County -----	-	45	13	2.1	25.3	1.6	3.1	17.9	48.8	98.2	145.7	4.7	2.4	48.3
	Kosciusko County -----	-	186	78	10.4	126.9	8.1	15.9	83.6	318.9	302.6	615.2	29.0	9.0	165.4
20	Food and kindred products --	-	14	8	0.7	5.8	0.6	1.1	3.8	17.9	36.8	55.1	0.7	(NA)	(NA)
201	Meat products -----	-	6	3	0.5	3.8	0.5	0.9	2.8	11.3	13.2	23.9	(D)	(NA)	(NA)
24	Lumber and wood products --	-	18	5	0.5	6.4	0.4	0.7	3.9	10.4	22.1	32.7	0.5	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	-	10	5	0.8	8.5	0.6	1.2	6.5	13.5	22.1	35.1	(D)	(NA)	(NA)
34	Fabricated metal products ---	-	33	19	1.5	16.8	1.2	2.2	12.0	30.5	35.4	66.0	2.7	1.5	17.5
35	Machinery, except electrical --	-	23	6	0.5	6.3	0.4	0.6	3.4	17.5	14.4	32.7	0.9	0.5	8.2
37	Transportation equipment ---	-	17	8	0.8	8.1	0.6	1.2	5.2	19.8	21.0	40.6	0.7	(NA)	(NA)
	Lagrange County -----	-	50	23	2.6	26.4	2.0	3.8	18.1	50.5	90.1	140.2	2.8	2.2	43.5
24	Lumber and wood products --	-	10	5	0.6	7.9	0.4	0.9	5.7	18.3	39.2	57.4	0.6	0.8	21.2
245	Wood buildings and mobile homes -----	-	5	5	0.5	7.4	0.4	0.8	5.3	16.9	37.6	54.4	(D)	0.8	20.8
2451	Mobile homes -----	-	5	5	0.5	7.4	0.4	0.8	5.3	16.9	37.6	54.4	(D)	(NA)	(NA)
34	Fabricated metal products ---	-	8	4	0.5	6.0	0.3	0.6	3.1	7.9	14.8	23.4	(D)	(NA)	(NA)
37	Transportation equipment ---	-	12	5	0.7	6.5	0.6	1.1	4.8	13.3	18.4	30.6	0.6	0.5	7.8
	Lake County -----	-	397	164	85.6	1 602.5	67.1	130.9	1 206.3	2 938.1	6 673.4	9 560.2	427.9	88.5	1 866.2
26	Paper and allied products ---	-	5	5	0.6	9.1	0.5	1.2	7.6	29.5	19.9	47.6	1.0	0.7	11.6
28	Chemicals and allied products -----	-	22	11	2.0	37.9	1.4	2.9	26.7	170.5	215.0	385.6	(D)	(NA)	(NA)
331	Blast furnace and basic steel products -----	-	9	9	54.2	1 086.0	43.8	84.6	843.8	1 520.8	3 326.7	4 834.3	(D)	(NA)	(NA)
3441	Fabricated structural metal -----	E1	9	6	0.9	15.0	0.6	1.2	10.0	37.1	26.2	49.8	1.0	(NA)	(NA)
3443	Fabricated plate work (boiler shops) -----	-	7	6	0.9	15.2	0.6	1.2	9.1	47.9	45.6	85.6	(D)	(NA)	(NA)
345	Screw machine products, bolts, etc. -----	-	8	6	0.6	7.9	0.4	0.8	5.7	12.7	17.7	36.2	0.5	(NA)	(NA)
3452	Bolts, nuts, rivets, and washers -----	-	4	4	0.5	7.3	0.4	0.7	5.2	11.3	16.6	33.7	(D)	(NA)	(NA)
37	Transportation equipment ---	-	14	8	6.4	106.2	5.2	10.2	79.2	184.8	175.3	382.3	4.1	3.6	73.5
--	Administrative and auxiliary --	-	9	6	0.6	7.8	-	-	-	-	-	-	-	(NA)	(NA)

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	La Porte County -----	-	185	92	16.8	205.6	11.0	21.3	125.8	473.2	504.6	970.2	30.6	16.5	294.6
20	Food and kindred products --	-	10	6	1.0	10.9	0.9	1.5	8.3	54.5	51.0	105.5	1.0	1.1	41.9
25	Furniture and fixtures -----	-	5	4	1.0	10.9	0.8	1.5	8.0	19.2	14.9	33.6	0.3	1.3	18.7
26	Paper and allied products ---	-	6	6	0.7	8.1	0.4	0.7	4.3	16.9	28.9	44.7	(D)	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	-	14	9	1.0	10.2	0.8	1.7	7.2	19.9	21.6	41.3	2.6	1.3	14.5
33	Primary metal industries -----	-	8	6	1.5	19.3	1.2	2.4	14.5	44.0	38.4	81.0	1.2	1.6	22.1
34	Fabricated metal products ---	-	25	17	2.4	34.0	1.7	3.6	22.6	86.4	98.5	183.5	5.1	2.5	49.6
35	Machinery, except electrical --	-	34	11	4.1	60.2	2.3	4.9	37.1	137.7	134.2	263.2	12.5	3.4	77.0
38	Instruments and related products -----	-	7	3	0.7	6.5	0.4	0.8	3.6	18.9	5.7	24.1	(D)	0.5	9.9
--	Administrative and auxiliary --	-	6	3	0.9	10.0	-	-	-	-	-	-	-	(NA)	(NA)
	Lawrence County -----	-	70	22	4.1	58.0	3.5	6.8	46.0	124.0	136.7	260.4	23.4	3.8	65.5
32	Stone, clay, and glass products -----	-	17	5	0.6	6.8	0.5	0.9	5.6	15.5	11.1	26.3	1.6	0.6	17.1
	Madison County (Coextensive with Anderson, Ind., SMSA; see table 6.)														
	Marion County -----	-	1 226	442	106.2	1 771.8	69.8	138.9	1 051.2	3 477.9	3 614.0	6 998.3	258.5	107.6	2 297.6
20	Food and kindred products --	-	60	34	6.6	91.6	4.0	8.2	52.4	272.5	621.1	888.4	16.3	6.4	184.6
202	Dairy products -----	-	6	5	0.7	11.1	0.4	0.8	5.2	41.0	93.8	134.5	(D)	1.0	23.5
204	Grain mill products -----	-	6	6	1.0	18.0	0.7	1.8	13.0	54.1	142.0	193.8	(D)	(NA)	(NA)
205	Bakery products -----	-	12	5	1.4	19.8	0.9	1.8	12.0	47.9	37.0	84.7	(D)	1.3	30.3
2086	Bottled and canned soft drinks -----	-	7	5	1.4	16.5	0.4	0.7	4.5	37.7	54.7	91.7	3.9	(NA)	(NA)
24	Lumber and wood products --	-	33	8	0.5	4.9	0.4	0.9	3.2	9.5	11.2	20.3	0.4	0.5	9.2
26	Paper and allied products ---	E1	36	26	2.6	31.5	1.9	3.8	20.5	63.9	77.9	140.7	4.4	(NA)	(NA)
264	Miscellaneous converted paper products -----	-	19	13	1.2	13.5	0.9	1.8	9.0	30.0	37.3	66.4	2.8	(NA)	(NA)
275	Commercial printing -----	E1	133	26	1.6	20.6	1.2	2.4	14.3	39.9	25.9	65.4	2.3	1.7	28.7
2752	Commercial printing, lithographic -----	E1	63	19	1.1	15.1	0.9	1.7	10.7	26.0	18.3	44.4	1.9	(NA)	(NA)
32	Stone, clay, and glass products -----	-	50	14	1.0	13.9	0.8	1.5	9.8	28.7	29.6	57.5	3.3	1.4	27.7
327	Concrete, gypsum, and plaster products -----	-	32	10	0.5	8.2	0.4	0.8	5.2	16.1	18.9	34.6	(D)	0.6	17.5
34	Fabricated metal products ---	-	163	69	6.8	92.9	5.3	10.2	62.5	187.4	167.8	354.3	8.3	6.3	108.0
342	Cutlery, hand tools, and hardware -----	-	9	3	0.7	8.3	0.6	1.1	5.9	21.2	11.1	32.2	(D)	(NA)	(NA)
344	Fabricated structural metal products -----	-	51	24	2.1	34.0	1.4	2.7	20.6	58.4	69.3	126.3	2.5	(NA)	(NA)
3451	Screw machine products -----	E1	11	6	0.5	6.1	0.4	0.9	5.2	12.0	6.5	18.6	0.3	(NA)	(NA)
346	Metal forgings and stampings -----	-	14	5	0.5	6.9	0.4	0.8	4.8	7.2	7.3	14.8	0.1	(NA)	(NA)
3471	Plating and polishing -----	E2	27	9	0.6	5.6	0.5	0.9	4.0	9.4	4.5	13.9	(D)	(NA)	(NA)
353	Construction and related machinery -----	E1	17	7	1.0	14.8	0.7	1.4	9.1	28.5	33.3	64.2	1.8	(NA)	(NA)
354	Metalworking machinery ---	-	76	31	1.6	25.4	1.2	2.7	16.5	47.7	23.0	68.8	(D)	1.3	24.5
3544	Special dies, tools, jigs, and fixtures -----	-	52	21	1.0	14.9	0.8	1.8	11.0	26.4	10.9	36.4	1.3	(NA)	(NA)
355	Special industry machinery -	-	21	9	1.0	15.4	0.5	1.2	6.8	30.3	16.0	47.8	(D)	(NA)	(NA)
356	General industrial machinery -----	-	30	10	5.2	72.7	3.6	6.6	45.9	139.9	86.5	213.9	(D)	6.0	107.0
359	Miscellaneous machinery, except electrical -----	E2	84	14	1.1	12.6	0.9	1.8	9.3	21.3	10.1	31.6	(D)	(NA)	(NA)
36	Electric and electronic equipment -----	-	46	19	16.1	242.3	13.3	26.1	189.5	558.7	434.3	991.8	38.0	18.9	366.9
38	Instruments and related products -----	E2	38	12	1.5	16.6	1.0	1.8	8.3	40.3	17.4	56.7	1.0	(NA)	(NA)
3825	Instruments to measure electricity -----	E4	9	5	0.9	9.5	0.7	1.3	5.2	21.0	7.2	27.6	(D)	(NA)	(NA)
39	Miscellaneous manufacturing industries -----	-	51	11	1.2	12.9	0.9	1.8	9.0	34.5	19.0	53.5	0.7	1.4	20.9
--	Administrative and auxiliary --	-	49	27	4.9	91.2	-	-	-	-	-	-	-	(NA)	(NA)
	Martin County -----	-	11	7	0.6	8.6	0.5	1.1	6.9	30.6	39.7	70.7	1.4	0.8	24.7

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Miami County -----	-	49	25	3.5	32.9	2.8	5.2	22.1	75.5	82.1	155.2	6.4	3.2	45.5
25	Furniture and fixtures -----	-	7	5	0.5	4.1	0.4	0.7	2.8	8.2	7.2	15.1	(D)	(NA)	(NA)
36	Electric and electronic equipment -----	-	4	3	1.3	13.2	0.9	1.7	8.3	37.5	42.4	78.1	3.3	(NA)	(NA)
	Monroe County (Coextensive with Bloomington, Ind., SMSA; see table 6.)														
	Montgomery County -----	-	45	23	4.9	70.3	3.6	7.5	47.5	153.8	151.7	303.3	8.1	4.4	79.5
34	Fabricated metal products ---	-	6	5	0.7	7.4	0.5	0.9	4.2	16.6	21.1	36.8	1.2	(NA)	(NA)
35	Machinery, except electrical --	-	11	6	0.9	12.0	0.6	1.2	7.4	28.4	26.0	51.3	1.5	0.7	8.3
	Morgan County -----	-	46	12	1.8	16.0	1.5	2.7	11.7	33.9	33.0	64.2	2.7	0.9	12.4
	Newton County -----	-	24	6	1.3	9.5	1.1	2.0	7.4	21.6	23.7	45.5	1.0	1.1	7.7
36	Electric and electronic equipment -----	-	4	3	0.7	5.0	0.6	1.2	4.1	9.5	6.0	15.9	(D)	1.0	6.7
	Noble County -----	-	97	46	5.5	57.7	4.4	8.3	41.0	133.3	153.7	287.2	7.5	5.3	75.9
30	Rubber and miscellaneous plastics products -----	-	6	4	0.9	9.2	0.7	1.4	6.9	20.3	18.2	39.1	(D)	(NA)	(NA)
33	Primary metal industries -----	-	8	7	1.0	12.6	0.8	1.6	9.6	24.3	29.5	55.9	1.9	1.0	16.0
332	Iron and steel foundries ---	-	3	3	0.8	9.7	0.6	1.2	7.2	16.4	17.9	34.1	(D)	0.7	12.1
3321	Gray iron foundries -----	-	3	3	0.8	9.7	0.6	1.2	7.2	16.4	17.9	34.1	(D)	(NA)	(NA)
35	Machinery, except electrical --	E1	23	5	0.6	7.3	0.4	0.8	3.7	19.1	18.3	37.0	0.7	1.0	17.8
	Orange County -----	-	28	10	1.7	13.8	1.5	2.8	10.4	23.2	57.0	82.1	1.7	1.2	23.0
	Perry County -----	-	31	14	2.9	30.5	2.5	5.2	24.5	66.2	58.4	122.5	2.6	3.2	50.9
	Porter County -----	-	82	26	12.6	247.4	8.5	16.8	160.6	579.4	1 190.5	1 809.2	102.6	10.9	292.7
	Posey County -----	-	27	9	2.7	44.8	1.6	3.8	25.5	238.5	261.2	507.4	(D)	(D)	(D)
	Pulaski County -----	-	19	7	0.8	9.9	0.6	1.3	6.3	28.7	30.4	57.6	(D)	0.6	12.3
	Putnam County -----	-	23	8	2.1	26.3	1.6	3.3	18.2	53.0	59.4	112.8	5.0	1.8	41.5
	Randolph County -----	-	68	26	5.7	75.4	4.8	9.0	60.5	147.8	122.9	268.6	12.6	5.7	86.4
33	Primary metal industries -----	-	7	4	1.3	17.0	1.1	2.1	13.4	28.4	30.9	60.1	(D)	(NA)	(NA)
35	Machinery, except electrical --	-	15	5	0.8	12.3	0.7	1.4	8.9	24.1	12.7	35.3	2.1	0.7	13.4
	Ripley County -----	-	34	10	3.1	43.0	2.0	4.0	18.9	91.5	40.1	131.3	(D)	2.8	76.5
	Rush County -----	-	32	7	1.0	11.9	0.8	1.5	8.4	22.8	29.3	52.7	1.0	1.1	17.1
	St. Joseph County -----	-	426	164	28.0	406.3	19.8	38.6	258.8	859.0	994.5	1 869.6	49.5	26.5	485.9
20	Food and kindred products --	-	17	8	0.5	6.7	0.3	0.6	3.2	17.3	45.7	62.8	1.5	1.2	22.9
27	Printing and publishing -----	E1	53	8	1.0	11.4	0.5	0.8	5.3	25.3	13.2	38.5	0.8	(NA)	(NA)
33	Primary metal industries -----	-	15	12	1.1	14.4	0.9	1.7	9.6	38.1	59.3	94.9	2.4	0.9	21.0
34	Fabricated metal products ---	E1	50	25	1.7	22.2	1.4	3.0	16.4	43.2	49.0	90.5	1.9	1.8	26.9
346	Metal forgings and stampings -----	E1	9	5	0.7	9.4	0.6	1.4	7.5	18.9	22.9	40.8	0.3	0.8	13.2
359	Miscellaneous machinery, except electrical -----	-	39	10	0.5	6.9	0.4	0.8	4.7	12.7	7.6	20.3	0.8	0.5	8.7
3599	Machinery, except electrical, n.e.c. -----	-	39	10	0.5	6.9	0.4	0.8	4.7	12.7	7.6	20.3	0.8	(NA)	(NA)
	Scott County -----	-	28	6	1.3	14.7	1.1	2.4	11.8	30.9	60.6	91.4	1.1	(D)	(D)
	Shelby County -----	-	68	29	4.2	45.3	3.4	6.6	31.8	114.1	98.8	210.0	4.2	4.1	67.9
35	Machinery, except electrical --	-	17	5	0.9	12.2	0.7	1.3	7.7	22.2	14.0	35.4	1.1	1.0	16.3
	Spencer County -----	-	23	8	0.9	9.4	0.8	1.6	7.3	26.0	40.0	64.3	1.8	0.4	5.7
	Starke County -----	-	27	7	0.8	9.3	0.6	1.2	6.8	22.4	22.5	44.6	1.5	0.8	11.7
	Steuben County -----	-	44	21	2.1	23.6	1.8	3.5	17.6	58.0	75.4	132.5	3.0	2.2	36.4
	Switzerland County -----	-	6	3	0.6	4.6	0.5	1.0	4.2	11.4	10.0	21.3	(D)	0.6	7.5
	Tippecanoe County (Coextensive with Lafayette-West Lafayette, Ind., SMSA; see table 6.)														
	Tipton County -----	-	24	8	0.9	12.0	0.7	1.3	8.3	25.5	37.5	62.0	2.9	0.8	16.0

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

Includes counties with 450 employees or more and industry groups and divisions with 20 employees or more																
For explanation of terms, see appendix B)																
SIC code	County and industry		1977											1972		
			E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
				Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Vanderburgh County-----	-	243	103	25.2	323.9	17.7	35.3	206.3	807.7	791.4	1 578.7	52.6	26.0	532.4	
20 202	Food and kindred products --	-	30	17	3.2	43.3	1.4	3.0	18.0	177.1	190.2	365.3	20.3	2.6	82.7	
	Dairy products-----	-	7	4	1.5	19.8	0.5	1.1	5.4	79.7	87.5	165.8	(D)	(NA)	(NA)	
23	Apparel and other textile products -----	-	7	5	1.0	6.2	0.9	1.8	5.1	16.0	10.2	28.1	0.3	1.0	8.9	
27 275	Printing and publishing -----	-	40	10	1.6	22.0	0.9	1.9	12.3	42.9	24.5	66.5	2.5	1.4	22.0	
	Commercial printing -----	-	29	5	0.9	14.9	0.6	1.4	9.5	26.5	18.8	44.4	(D)	0.8	13.3	
34 344	Fabricated metal products ---	-	25	12	2.8	31.1	2.2	4.1	22.6	55.9	62.6	114.6	1.6	2.3	33.5	
	Fabricated structural metal products -----	-	7	3	0.5	6.5	0.3	0.7	4.0	12.3	17.3	28.2	0.3	(NA)	(NA)	
35	Machinery, except electrical --	-	48	16	3.5	49.8	2.4	4.9	31.9	118.0	90.3	205.8	6.5	3.4	71.8	
	Vigo County -----	-	129	55	13.3	165.5	9.7	19.2	114.7	472.7	576.6	1 037.7	26.7	12.6	266.4	
27	Printing and publishing -----	-	17	7	1.2	11.8	0.4	0.8	4.9	39.4	22.6	62.0	(D)	(NA)	(NA)	
35	Machinery, except electrical --	-	25	5	0.9	14.7	0.7	1.3	9.3	43.8	37.1	80.4	1.4	(NA)	(NA)	
	Wabash County-----	-	73	34	6.6	73.6	5.4	10.3	52.8	171.2	206.4	374.1	12.7	6.7	107.2	
27	Printing and publishing -----	-	10	3	0.5	3.8	0.4	0.7	2.6	6.2	1.6	7.8	0.1	(NA)	(NA)	
32	Stone, clay, and glass products -----	-	7	4	0.5	6.1	0.4	0.9	5.0	16.0	12.5	29.1	(D)	0.5	6.7	
34	Fabricated metal products ---	-	7	4	1.1	12.1	0.9	1.8	8.6	23.3	20.4	43.2	(D)	(NA)	(NA)	
35	Machinery, except electrical --	-	18	7	0.6	5.0	0.4	0.8	3.4	11.8	11.1	21.9	0.4	0.5	6.8	
	Washington County -----	-	35	11	2.4	20.0	2.1	3.9	16.2	38.8	40.7	79.9	2.3	2.5	25.4	
	Wayne County-----	-	138	65	11.1	147.0	8.3	16.8	104.5	294.9	263.7	551.3	25.4	12.4	211.6	
35 354	Machinery, except electrical --	-	33	15	2.6	42.7	1.9	4.1	29.9	72.9	60.2	129.0	3.1	3.7	57.9	
	Metalworking machinery ---	-	12	8	0.9	15.1	0.6	1.7	10.1	30.8	14.3	42.6	0.8	(NA)	(NA)	
37 371	Transportation equipment ---	-	5	5	1.3	16.7	1.0	1.8	13.0	34.4	40.6	72.4	(D)	(NA)	(NA)	
	Motor vehicles and equipment -----	-	5	5	1.3	16.7	1.0	1.8	13.0	34.4	40.6	72.4	(D)	(NA)	(NA)	
	Wells County -----	-	38	16	3.3	41.3	2.4	4.6	25.6	97.5	61.4	157.6	9.8	3.0	55.2	
	White County -----	-	45	12	2.2	23.0	1.9	3.6	18.0	43.6	60.2	103.8	4.9	2.0	18.2	
	Whitley County -----	-	53	22	3.2	33.6	2.6	5.1	25.8	62.5	102.9	161.3	3.0	2.8	40.5	

Note: "County" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

[For explanation of terms, see appendix B]															
SIC code	City and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Alexandria	-	22	7	0.7	8.8	0.6	1.1	6.4	22.7	24.7	46.3	0.5	(D)	(D)
	Anderson	-	67	23	22.2	433.5	17.7	36.0	328.4	920.7	594.9	1 497.1	51.3	23.6	555.1

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Angola -----	-	32	15	1.8	20.4	1.5	3.0	15.4	45.6	63.3	108.4	2.4	1.5	28.6
	Auburn -----	-	32	9	3.1	44.3	2.3	4.5	30.5	112.9	115.0	227.1	4.6	2.9	59.1
	Aurora -----	-	15	5	0.8	9.1	0.6	1.0	5.3	17.6	15.8	33.0	1.4	0.8	11.7
	Bedford -----	-	56	18	3.2	48.1	2.7	5.3	38.3	97.2	109.6	207.2	21.0	2.8	43.8
	Beech Grove -----	-	28	9	1.0	10.8	0.8	1.5	6.4	21.8	28.4	49.8	1.8	(D)	(D)
	Berne -----	-	18	12	2.3	23.0	1.7	3.4	14.4	49.0	40.1	86.0	5.1	2.1	30.3
	Bloomington -----	-	69	21	8.4	93.1	7.0	12.6	71.2	388.9	505.8	894.5	8.1	12.0	314.8
	Bluffton -----	-	24	12	2.3	27.4	1.5	2.9	14.5	58.2	41.6	98.9	8.6	(D)	(D)
	Brazil -----	-	18	7	0.7	7.3	0.6	1.1	5.1	15.8	31.8	47.2	(D)	0.6	5.4
	Bremen -----	-	38	16	1.9	21.9	1.5	3.0	14.7	55.0	84.8	135.7	3.1	1.6	26.7
	Carmel -----	-	23	9	0.8	9.3	0.6	1.0	5.2	19.4	17.8	35.9	1.6	(NA)	(NA)
	Columbia City -----	-	35	17	2.4	24.2	2.0	3.8	19.1	41.3	89.4	127.6	1.5	1.8	24.5
	Columbus -----	-	61	33	17.1	291.8	11.2	22.6	168.0	712.9	717.7	1 408.6	35.8	15.7	324.6
	Corydon -----	-	14	2	0.5	4.4	0.4	0.8	3.3	7.9	4.9	12.4	0.2	(D)	(D)
	Crawfordsville -----	-	34	21	4.7	69.0	3.5	7.2	46.5	149.9	144.5	292.2	8.0	4.2	74.0
	Decatur -----	-	28	18	2.9	35.9	2.4	4.7	26.8	91.7	316.0	403.2	11.5	2.4	40.8
	Delphi -----	-	8	4	0.7	7.6	0.6	1.1	5.2	20.8	21.4	41.6	(D)	0.8	12.7
	East Chicago -----	-	66	45	39.3	755.2	31.6	61.8	582.3	1 616.6	2 174.5	3 762.4	254.6	40.9	948.4
28	Chemicals and allied products -----	-	4	4	0.8	13.8	0.5	1.0	8.8	63.6	76.2	141.6	(D)	1.5	89.7
34	Fabricated metal products ---	-	19	15	1.5	24.9	1.1	2.0	16.3	60.5	75.0	133.6	1.7	2.2	46.6
344	Fabricated structural metal products -----	-	10	8	1.0	17.1	0.7	1.3	10.5	49.0	47.5	88.7	1.2	(NA)	(NA)
	Edinburg -----	-	16	5	0.9	10.0	0.8	1.6	6.6	23.8	28.4	51.9	3.1	1.0	14.7
	Elkhart -----	-	458	196	22.6	291.8	15.4	28.7	162.8	689.3	665.6	1 346.9	31.3	19.4	458.8
23	Apparel and other textile products -----	-	17	7	0.5	3.6	0.4	0.8	2.6	6.5	8.2	14.6	0.1	(NA)	(NA)
243	Millwork, plywood, and structural members -----	E1	19	8	0.7	6.3	0.5	1.0	4.0	12.3	21.6	33.6	0.8	(NA)	(NA)
344	Fabricated structural metal products -----	E1	37	15	1.4	14.4	1.0	1.9	9.1	30.7	61.0	90.8	2.3	(NA)	(NA)
3442	Metal doors, sash, and trim -----	-	10	8	1.0	9.7	0.7	1.3	5.9	19.0	30.9	49.4	1.1	(NA)	(NA)
349	Miscellaneous fabricated metal products -----	-	14	8	1.7	20.9	1.4	2.5	15.1	52.7	45.1	95.7	1.8	(NA)	(NA)
3494	Valves and pipe fittings --	-	5	4	1.4	17.2	1.2	2.1	13.1	44.9	40.4	83.3	1.4	(NA)	(NA)
36	Electric and electronic equipment -----	-	17	6	1.8	23.1	1.4	2.6	16.4	53.7	36.6	88.0	2.7	1.8	29.0
37	Transportation equipment ---	E1	90	41	3.8	41.8	2.9	5.4	29.7	85.1	209.5	292.8	3.9	2.4	44.2
379	Miscellaneous transportation equipment -	-	46	19	1.0	11.2	0.7	1.3	7.1	21.7	47.8	69.2	1.5	(NA)	(NA)
--	Administrative and auxiliary --	-	16	8	0.6	13.0	-	-	-	-	-	-	-	(NA)	(NA)
	Elwood -----	-	26	13	1.4	16.3	1.1	2.2	11.9	35.0	35.9	71.7	3.8	1.3	21.2
	Evansville -----	-	204	85	23.5	302.8	16.4	32.8	192.4	757.9	723.9	1 463.5	49.0	(D)	(D)
202	Dairy products -----	-	7	4	1.5	19.8	0.5	1.1	5.4	79.7	87.5	165.8	(D)	(NA)	(NA)
23	Apparel and other textile products -----	-	7	5	1.0	6.2	0.9	1.8	5.1	16.0	10.2	28.1	0.3	(NA)	(NA)
25	Furniture and fixtures -----	-	9	4	1.4	13.3	1.3	2.4	11.0	20.8	20.7	41.8	0.9	(NA)	(NA)
27	Printing and publishing -----	-	37	10	1.6	21.9	0.9	1.9	12.3	42.8	24.4	66.4	(D)	(NA)	(NA)
275	Commercial printing -----	-	26	5	0.9	14.8	0.6	1.4	9.4	26.4	18.8	44.3	(D)	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	-	12	11	2.2	26.0	1.8	3.8	18.6	52.5	51.1	103.1	2.7	(NA)	(NA)
344	Fabricated structural metal products -----	-	7	3	0.5	6.5	0.3	0.7	4.0	12.3	17.3	28.2	0.3	(NA)	(NA)
35	Machinery, except electrical --	-	31	10	3.2	46.2	2.2	4.5	29.6	110.4	86.3	194.6	5.3	(NA)	(NA)

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

excludes cities with 450 employees or more and industry groups and industries with no explanation of terms, see appendix B)															
SIC code	City and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Fort Wayne -----	-	330	129	32.6	515.2	22.0	42.3	313.5	1 214.0	1 685.7	2 891.7	45.9	35.9	672.0
201	Meat products-----	-	4	4	0.6	10.5	0.5	1.2	8.8	35.4	58.1	93.3	(D)	(NA)	(NA)
265	Paperboard containers and boxes-----	-	6	6	0.5	6.5	0.4	0.8	4.1	13.5	24.8	38.3	0.7	(NA)	(NA)
335	Nonferrous rolling and drawing-----	-	4	4	0.8	11.4	0.7	1.3	9.4	34.0	55.2	86.9	(D)	(NA)	(NA)
3357	Nonferrous wire drawing and insulating-----	-	4	4	0.8	11.4	0.7	1.3	9.4	34.0	55.2	86.9	(D)	(NA)	(NA)
36	Electric and electronic equipment-----	-	17	12	8.2	117.7	5.4	10.6	66.3	229.7	114.9	344.6	8.9	(NA)	(NA)
-	Administrative and auxiliary --	-	11	9	2.5	53.4	-	-	-	-	-	-	-	(NA)	(NA)
	Frankfort -----	-	32	17	2.1	19.3	1.6	2.8	13.6	59.2	154.7	213.3	3.8	3.6	60.8
	Franklin -----	-	23	12	2.0	23.7	1.5	2.7	16.4	55.7	73.7	128.7	2.1	1.1	22.0
	Garrett -----	-	15	7	0.5	5.1	0.4	0.8	3.6	13.3	8.7	21.8	0.2	0.5	5.8
	Gary -----	-	76	30	30.2	588.3	24.2	46.8	454.0	661.9	2 156.7	2 776.1	(D)	30.4	489.0
34	Fabricated metal products ---	-	9	8	4.2	83.5	3.4	6.8	66.0	235.2	155.8	377.7	3.3	3.8	49.8
	Greenfield -----	-	26	12	1.6	28.0	0.7	1.7	7.1	29.1	38.5	68.4	(D)	1.3	11.7
	Greenwood -----	-	29	5	0.6	7.1	0.5	0.9	5.9	20.1	14.9	34.7	0.5	(D)	(D)
	Griffith -----	-	17	6	0.5	6.8	0.4	0.8	4.8	13.0	7.5	20.1	0.6	0.7	8.6
	Hammond -----	-	110	49	9.1	148.8	6.5	12.7	99.2	391.5	595.3	1 010.8	14.6	10.5	278.4
20	Food and kindred products --	-	9	5	1.0	16.6	0.8	1.7	12.9	44.7	85.3	130.0	(D)	1.0	31.8
28	Chemicals and allied products-----	-	8	5	1.1	21.3	0.8	1.8	16.3	86.6	123.3	209.9	2.2	(NA)	(NA)
33	Primary metal industries-----	-	7	5	1.6	26.2	1.1	2.1	17.5	63.4	120.2	184.0	2.1	1.4	34.3
	Hartford City -----	-	25	7	1.5	18.4	1.2	2.2	12.5	68.3	77.3	143.8	(D)	1.6	47.7
	Huntingburg -----	-	28	11	1.2	9.9	1.0	1.9	6.7	17.0	28.4	45.7	0.7	1.1	14.4
25	Furniture and fixtures-----	E3	11	6	0.7	5.8	0.6	1.3	4.6	12.5	13.6	26.3	0.5	0.7	9.5
	Huntington-----	-	50	29	6.7	56.3	3.9	7.2	31.2	134.1	125.5	252.9	5.0	4.1	57.2
	Indianapolis-----	-	1 151	415	90.0	1 449.4	59.4	117.3	862.7	2 891.2	3 160.1	5 976.8	230.1	92.8	1 971.9
202	Dairy products-----	-	6	5	0.7	11.1	0.4	0.8	5.2	41.0	93.8	134.5	(D)	(NA)	(NA)
204	Grain mill products-----	-	6	6	1.0	18.0	0.7	1.8	13.0	54.1	142.0	193.8	(D)	(NA)	(NA)
205	Bakery products-----	-	12	5	1.4	19.8	0.9	1.8	12.0	47.9	37.0	84.7	(D)	(NA)	(NA)
208	Beverages-----	-	8	5	0.9	11.4	0.3	0.6	3.3	33.8	45.6	79.2	(D)	(NA)	(NA)
264	Miscellaneous converted paper products-----	-	19	13	1.2	13.5	0.9	1.8	9.0	30.0	37.3	66.4	2.8	(NA)	(NA)
265	Paperboard containers and boxes-----	E2	15	11	1.0	14.0	0.7	1.4	9.0	26.8	32.7	59.5	1.1	(NA)	(NA)
2752	Commercial printing, lithographic-----	E1	63	19	1.1	15.1	0.9	1.7	10.7	26.0	18.3	44.4	1.9	(NA)	(NA)
342	Cutlery, hand tools, and hardware-----	-	9	3	0.7	8.3	0.6	1.1	5.9	21.2	11.1	32.2	(D)	(NA)	(NA)
3444	Sheet metal work-----	-	16	9	0.6	9.7	0.5	0.9	7.4	16.6	19.0	34.9	0.4	(NA)	(NA)
345	Screw machine products, bolts, etc.-----	E1	15	7	0.6	7.1	0.5	1.0	6.0	14.0	8.9	23.0	0.4	(NA)	(NA)
346	Metal forgings and stampings-----	-	14	5	0.5	6.9	0.4	0.8	4.8	7.2	7.3	14.8	0.1	(NA)	(NA)
347	Metal services, n.e.c.-----	E1	37	13	1.0	10.0	0.8	1.6	6.9	19.7	9.5	29.2	0.9	(NA)	(NA)
349	Miscellaneous fabricated metal products-----	E1	24	11	1.1	12.7	0.8	1.5	7.9	23.9	22.0	46.0	0.9	(NA)	(NA)
3499	Fabricated metal products, n.e.c.-----	E2	11	5	0.5	5.9	0.4	0.8	3.7	9.4	12.0	21.4	0.3	(NA)	(NA)
353	Construction and related machinery-----	E1	17	7	1.0	14.8	0.7	1.4	9.1	28.5	33.3	64.2	1.8	(NA)	(NA)
354	Metalworking machinery-----	-	69	29	1.5	23.7	1.1	2.5	15.3	44.9	21.8	64.8	2.0	(NA)	(NA)
3544	Special dies, tools, jigs, and fixtures-----	-	47	19	0.9	13.5	0.7	1.7	10.0	24.1	10.0	33.2	1.1	(NA)	(NA)
355	Special industry machinery-----	-	21	9	1.0	15.4	0.5	1.2	6.8	30.3	16.0	47.8	(D)	(NA)	(NA)
359	Miscellaneous machinery, except electrical-----	E2	76	13	1.0	11.6	0.8	1.7	8.6	19.8	9.5	29.4	1.5	(NA)	(NA)
382	Measuring and controlling devices-----	E5	10	5	0.7	7.9	0.4	0.8	3.9	17.2	5.9	22.9	0.2	(NA)	(NA)
-	Administrative and auxiliary --	-	49	27	4.9	91.2	-	-	-	-	-	-	-	(NA)	(NA)
	Jasper -----	-	46	33	4.9	52.9	3.8	8.3	36.4	101.7	98.7	199.2	10.6	4.5	69.1
24	Lumber and wood products--	-	12	7	0.8	7.3	0.7	1.4	5.6	13.6	15.5	28.6	1.3	(NA)	(NA)
25	Furniture and fixtures-----	-	14	14	2.7	29.1	2.3	5.2	22.9	63.1	45.2	107.9	6.3	2.0	27.8
	Jeffersonville-----	-	40	16	2.6	33.6	2.2	4.1	25.8	64.3	106.9	170.3	3.9	2.7	52.6
	Kendallville-----	-	40	23	3.4	37.0	2.7	5.2	26.0	91.1	96.9	187.6	4.0	2.5	39.9
35	Machinery, except electrical--	E1	8	4	0.5	6.2	0.3	0.6	2.9	16.8	15.7	32.3	0.6	0.7	14.5

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
30	Knox -----	-	16	3	0.5	6.7	0.5	0.9	5.0	16.2	16.9	32.8	(D)	(NA)	(NA)
	Kokomo -----	-	81	35	23.8	433.3	18.3	37.5	316.6	775.0	571.5	1 335.9	(D)	23.3	535.0
	Lafayette -----	-	71	37	6.9	106.3	5.1	10.0	71.3	199.1	356.0	532.1	(D)	7.6	204.7
	La Porte -----	-	66	37	7.2	92.3	5.2	10.3	62.1	205.0	163.3	369.0	9.5	7.1	135.
	Rubber and miscellaneous plastics products -----	-	8	6	0.7	6.7	0.6	1.1	4.9	12.6	13.2	25.6	(D)	(NA)	(NA)
--	Administrative and auxiliary --	-	3	3	0.8	9.8	-	-	-	-	-	-	-	(NA)	(NA)
35	Lebanon -----	-	28	12	1.0	12.2	0.7	1.3	6.7	26.0	28.3	53.4	1.2	1.0	13.5
	Machinery, except electrical --	-	9	7	0.6	7.4	0.4	0.8	4.1	14.9	15.1	29.6	0.5	(NA)	(NA)
	Ligonier -----	-	20	10	1.1	11.8	0.9	1.7	8.5	26.2	27.8	54.6	2.1	1.7	21.6
26	Marion -----	-	68	36	13.0	217.9	10.6	22.7	169.5	430.7	544.6	968.7	29.6	13.7	293.6
	Paper and allied products ---	-	9	5	0.8	9.8	0.6	1.2	6.1	24.6	43.0	67.7	1.2	0.7	14.7
	Martinsville -----	-	18	4	0.7	4.9	0.6	0.8	3.5	11.0	15.1	23.5	(D)	(NA)	(NA)
3079	Michigan City -----	-	93	45	8.7	102.8	5.2	9.8	56.0	233.9	267.8	493.4	19.1	8.7	145.7
	Mishawaka -----	-	90	35	7.2	98.7	5.2	10.7	64.7	214.1	162.3	368.8	16.4	7.4	136.7
	Miscellaneous plastics products -----	-	8	5	0.5	4.5	0.4	0.9	3.4	9.8	7.5	17.1	(D)	(NA)	(NA)
36	Electric and electronic equipment -----	-	5	5	0.7	5.4	0.6	1.2	3.6	10.4	11.1	21.5	0.1	(NA)	(NA)
	Mitchell -----	-	10	4	0.9	9.8	0.8	1.5	7.7	26.7	26.9	52.9	2.4	0.8	19.6
	Monticello -----	-	23	9	1.7	17.6	1.5	2.8	14.6	32.2	36.9	69.1	3.2	1.7	15.3
35	Mooresville -----	-	20	7	1.0	10.0	0.9	1.6	7.3	18.7	16.2	34.7	1.4	(NA)	(NA)
	Muncie -----	-	139	52	9.9	166.0	7.2	15.3	118.1	287.4	403.5	684.6	(D)	15.4	251.1
	Machinery, except electrical --	-	35	10	0.8	12.6	0.6	1.3	7.9	19.8	8.7	27.2	2.1	0.6	10.9
2435	New Albany -----	-	65	31	3.8	38.8	3.2	6.0	28.3	100.5	124.4	222.6	(D)	4.1	76.6
	Hardwood veneer and plywood -----	-	8	6	0.8	7.1	0.7	1.4	5.3	9.7	13.4	22.7	(D)	(NA)	(NA)
	New Castle -----	-	37	15	4.9	82.3	4.1	7.3	66.7	132.4	128.9	256.1	(D)	4.3	93.9
35	Noblesville -----	-	27	9	2.1	29.0	1.5	2.9	19.1	60.8	64.6	123.8	2.4	2.2	37.3
	North Manchester -----	-	17	11	1.8	15.9	1.6	2.9	12.5	42.8	31.2	70.9	1.8	1.7	22.3
	Peru -----	-	38	18	2.7	25.8	2.1	3.8	17.4	59.7	58.8	118.8	3.4	2.7	41.1
35	Plymouth -----	-	49	27	2.0	20.7	1.6	2.9	13.9	56.5	76.0	132.5	4.1	1.7	33.6
	Princeton -----	-	21	9	1.9	20.5	1.1	2.2	10.3	36.3	31.3	65.7	2.2	1.5	13.6
	Rensselaer -----	-	14	6	1.0	9.4	0.8	1.6	6.9	22.0	24.2	44.8	1.0	(D)	(D)
35	Richmond -----	-	97	48	9.2	121.1	6.9	13.8	84.4	248.3	215.4	457.8	22.7	10.5	175.9
	Rochester -----	-	23	13	1.5	14.1	1.2	2.2	10.1	37.2	31.4	67.9	1.1	1.2	14.2
	Rushville -----	-	14	3	0.6	6.6	0.4	0.9	4.5	13.7	18.3	32.5	0.5	0.9	14.0
35	Salem -----	-	22	9	2.3	18.9	2.0	3.7	15.6	37.5	36.6	74.5	2.0	2.4	24.3
	Seymour -----	-	45	22	2.4	25.4	2.0	4.0	18.9	55.1	81.2	135.7	11.6	2.3	40.1
	Shelbyville -----	-	51	26	3.7	40.3	3.0	5.8	28.0	101.5	86.7	186.3	3.3	4.0	65.8
27	Machinery, except electrical --	-	11	5	0.9	11.8	0.7	1.3	7.4	21.6	13.7	34.5	1.0	(NA)	(NA)
	South Bend -----	-	220	89	18.0	277.1	12.5	23.8	174.6	575.6	731.5	1 331.9	28.2	17.1	321.1
	Printing and publishing -----	-	33	6	0.8	9.5	0.4	0.6	4.4	19.8	10.0	29.8	0.6	0.8	13.6
33	Primary metal industries -----	-	9	7	0.7	9.8	0.6	1.1	6.5	26.1	37.0	60.9	(D)	(NA)	(NA)
34	Fabricated metal products ---	-	25	15	1.2	14.8	1.0	2.1	11.5	29.7	33.7	61.9	1.1	1.3	19.2
35	Machinery, except electrical --	-	54	19	3.5	53.8	2.4	4.7	34.0	117.0	93.2	217.8	3.1	3.2	55.8
354	Metalworking machinery ---	-	20	6	0.8	13.5	0.5	1.1	8.6	22.6	10.3	32.1	0.8	(NA)	(NA)
28	Tell City -----	-	23	9	2.4	25.5	2.1	4.4	20.8	55.2	46.8	100.1	2.1	2.9	46.5
	Terre Haute -----	-	102	48	11.9	144.3	8.7	17.5	101.6	406.5	523.8	920.3	22.9	10.7	215.0
	Chemicals and allied products -----	-	7	5	1.3	17.2	0.8	1.9	10.4	90.5	42.9	128.3	5.8	0.9	16.4
28	Union City -----	-	17	8	3.0	41.0	2.6	4.8	33.5	76.2	67.4	142.7	5.7	2.8	44.4
	Vincennes -----	-	34	11	1.8	21.8	1.3	2.6	15.3	47.2	51.0	95.9	3.4	2.1	43.9
	Wabash -----	-	44	17	4.0	49.2	3.1	6.0	34.1	109.4	127.9	238.0	7.6	4.1	73.8
28	Warsaw -----	-	80	39	5.3	65.1	4.0	7.8	40.1	163.8	124.7	283.2	13.6	6.0	116.3
	Washington -----	-	22	7	1.1	9.8	0.9	1.5	7.6	23.7	42.4	64.9	0.6	1.6	24.5
	West Lafayette -----	-	14	6	1.0	10.8	0.8	1.5	6.6	45.6	21.3	64.9	(D)	0.6	7.1
28	Winchester -----	-	21	8	2.0	27.6	1.8	3.2	22.3	58.3	40.2	97.6	5.4	2.0	31.4

Note: "City" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B)

appendix B7

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																		CAO's	
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37		38	39
INDIANA	8061	555	2	19	186	697	242	179	984	245	57	383	31	523	283	931	1386	329	448	129	267
1 TO 4 EMPLOYEES	2691	162	1	5	64	266	63	27	527	77	20	91	9	172	43	249	502	84	120	48	128
5 TO 9 EMPLOYEES	1008	62	2	16	16	92	24	14	130	46	6	34	1	191	29	102	220	30	130	16	31
10 TO 19 EMPLOYEES	1133	68	6	17	118	118	27	17	113	33	10	54	3	106	27	131	249	29	46	21	30
20 TO 49 EMPLOYEES	1334	107	2	25	109	109	43	41	127	38	11	71	5	73	57	200	217	43	71	16	41
50 TO 99 EMPLOYEES	717	66	2	23	60	60	35	29	45	19	2	60	8	33	33	98	84	29	51	7	11
100 TO 249 EMPLOYEES	283	56	1	2	25	41	28	41	24	16	5	42	5	25	10	88	46	29	56	8	17
250 TO 499 EMPLOYEES	659	19	2	13	9	9	13	9	11	5	1	17	5	14	18	45	23	28	29	8	6
500 TO 999 EMPLOYEES	136	13	3	3	2	2	7	1	4	6	1	9	5	6	10	15	16	22	12	3	1
1000 TO 2499 EMPLOYEES	72	2	1	1	1	1	2	1	3	3	1	5	1	3	12	2	9	8	15	2	2
2500 EMPLOYEES AND OVER	28	1	1	1	1	1	1	1	1	2	1	1	1	1	4	1	2	10	9	1	1
ADAMS COUNTY	59	6	1	1	2	8	3	1	4	1	1	4	1	4	3	10	6	2	5	1	1
1 TO 19 EMPLOYEES	24	2	1	1	1	3	1	1	2	1	1	2	1	2	1	5	5	1	1	1	1
20 TO 99 EMPLOYEES	19	2	1	1	1	4	1	1	1	1	1	1	1	2	1	3	1	1	2	1	1
100 TO 249 EMPLOYEES	13	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2	1	1	2	1	1
250 EMPLOYEES AND OVER	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1
ALLEN COUNTY	474	33	1	1	5	24	7	9	65	12	6	26	1	21	19	50	111	22	23	7	18
1 TO 19 EMPLOYEES	288	13	1	1	5	18	6	2	54	11	6	10	1	13	9	30	73	8	13	6	15
20 TO 99 EMPLOYEES	120	10	1	1	5	5	1	4	9	1	1	12	1	6	9	16	29	5	5	2	2
100 TO 249 EMPLOYEES	34	9	1	1	1	1	1	3	1	1	1	2	1	2	3	2	5	1	1	1	1
250 EMPLOYEES AND OVER	32	1	1	1	1	1	1	1	1	1	1	2	1	1	4	2	4	8	4	1	1
BARTHOLOMEW COUNTY	76	8	1	1	1	5	1	3	7	1	1	3	1	5	4	8	21	4	2	1	3
1 TO 19 EMPLOYEES	40	4	1	1	1	5	1	1	5	1	1	2	1	3	2	4	10	3	1	1	2
20 TO 99 EMPLOYEES	22	2	1	1	1	1	1	2	1	1	1	1	1	2	1	3	7	1	1	1	1
100 TO 249 EMPLOYEES	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
250 EMPLOYEES AND OVER	9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1
BENTON COUNTY	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1 TO 19 EMPLOYEES	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20 TO 99 EMPLOYEES	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
100 TO 249 EMPLOYEES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BLACKFORD COUNTY	31	2	1	1	1	5	1	3	5	1	1	1	1	6	1	2	4	1	1	1	1
1 TO 19 EMPLOYEES	20	2	1	1	1	4	1	2	5	1	1	1	1	4	1	2	4	1	1	1	1
20 TO 99 EMPLOYEES	6	1	1	1	1	1	1	2	1	1	1	1	1	1	1	2	1	1	1	1	1
100 TO 249 EMPLOYEES	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
250 EMPLOYEES AND OVER	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BOONE COUNTY	46	1	1	1	1	1	1	1	7	3	1	1	1	4	1	6	16	2	3	1	1
1 TO 19 EMPLOYEES	33	1	1	1	1	1	1	1	5	3	1	1	1	4	1	4	9	1	2	1	1
20 TO 99 EMPLOYEES	9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	1	1	1	1
100 TO 249 EMPLOYEES	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1
BROWN COUNTY	12	2	1	1	1	2	1	1	3	1	1	1	1	2	1	1	1	1	1	1	1
1 TO 19 EMPLOYEES	12	2	1	1	1	2	1	1	3	1	1	1	1	2	1	1	1	1	1	1	1
CARROLL COUNTY	24	1	1	1	1	1	1	1	4	1	1	1	1	3	1	5	5	1	1	1	2
1 TO 19 EMPLOYEES	15	1	1	1	1	1	1	1	4	1	1	1	1	2	1	3	3	1	1	1	2
20 TO 99 EMPLOYEES	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
100 TO 249 EMPLOYEES	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
250 EMPLOYEES AND OVER	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CASS COUNTY	67	6	1	1	1	2	1	1	6	1	1	4	1	5	4	15	13	6	3	1	1
1 TO 19 EMPLOYEES	36	3	1	1	1	1	1	1	5	1	1	2	1	3	3	7	9	1	1	1	1
20 TO 99 EMPLOYEES	19	2	1	1	1	1	1	1	1	1	1	1	1	1	1	5	2	2	2	1	1
100 TO 249 EMPLOYEES	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1
250 EMPLOYEES AND OVER	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1
CLARK COUNTY	87	5	1	1	2	18	6	2	7	8	1	4	1	6	2	8	8	1	4	1	5
1 TO 19 EMPLOYEES	52	2	1	1	2	11	2	2	7	5	1	3	1	4	1	3	5	1	3	1	1
20 TO 99 EMPLOYEES	24	3	1	1	1	4	3	2	2	2	1	3	1	1	1	4	3	1	1	1	1
100 TO 249 EMPLOYEES	9	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
250 EMPLOYEES AND OVER	9	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CLAY COUNTY	36	2	1	1	1	8	1	1	4	1	1	1	1	7	1	1	5	1	2	1	1
1 TO 19 EMPLOYEES	24	2	1	1	1	6	1	1	2	1	1	1	1	4	1	1	1	1	1	1	1
20 TO 99 EMPLOYEES	8	1	1	1	1	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1
100 TO 249 EMPLOYEES	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
250 EMPLOYEES AND OVER	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

MANUFACTURES—GEOGRAPHIC AREA SERIES

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977—Con.

(Major groups descriptions are: 20---food and kindred products; 21---tobacco manufactures; 22---textile mill products; 23---apparel and other textile products; 24---lumber and wood products; 25---furniture and fixtures; 26---paper and allied products; 27---printing and publishing; 28---chemicals and allied products; 29---petroleum and coal products; 30---rubber and miscellaneous plastics products; 31---leather and leather products; 32---stone, clay, and glass products; 33---primary metal industries; 34---fabricated metal products; 35---machinery, except electrical; 36---electric and electronic equipment; 37---transportation equipment; 38---instruments and related products; 39---miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
CLINTON COUNTY	46	10	1	-	1	7	-	1	4	1	-	1	-	4	-	3	6	4	2	-	-	1
1 TO 19 EMPLOYEES	22	5	-	-	-	4	-	-	3	-	-	-	-	3	-	-	5	1	1	-	-	1
20 TO 99 EMPLOYEES	12	4	-	-	-	2	-	-	1	1	-	1	-	-	-	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES	8	-	1	-	1	1	-	-	-	-	-	-	-	1	-	-	-	2	-	-	-	-
250 EMPLOYEES AND OVER	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CRAWFORD COUNTY	17	1	-	-	-	15	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	15	1	-	-	-	13	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DAVIES COUNTY	40	10	-	-	1	7	1	-	5	-	-	-	-	3	2	2	7	-	2	-	-	-
1 TO 19 EMPLOYEES	30	6	-	-	-	7	1	-	4	-	-	-	-	2	2	2	5	-	1	-	-	-
20 TO 99 EMPLOYEES	6	3	-	-	-	-	-	-	1	-	-	-	-	1	-	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEARBORN COUNTY	32	4	-	-	-	2	1	1	6	-	1	-	-	5	1	1	6	-	2	-	1	1
1 TO 19 EMPLOYEES	19	2	-	-	-	1	1	-	5	-	-	-	-	3	-	-	4	-	2	-	-	-
20 TO 99 EMPLOYEES	6	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	2	-	-	-	-	-
100 TO 249 EMPLOYEES	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DECATUR COUNTY	32	3	-	-	-	4	-	-	2	1	-	-	-	2	-	5	13	-	-	-	-	1
1 TO 19 EMPLOYEES	22	1	-	-	-	4	-	-	1	-	-	-	-	2	-	3	9	-	-	-	-	-
20 TO 99 EMPLOYEES	5	2	-	-	-	-	-	-	1	-	-	-	-	-	-	1	2	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DE KALB COUNTY	73	4	-	-	1	6	1	1	6	3	1	5	-	2	6	13	14	2	4	1	3	2
1 TO 19 EMPLOYEES	44	2	-	-	1	4	1	1	6	2	1	3	-	2	2	6	10	1	3	1	1	1
20 TO 99 EMPLOYEES	16	1	-	-	-	2	1	1	1	1	-	3	-	-	1	2	3	-	-	-	-	-
100 TO 249 EMPLOYEES	6	1	-	-	-	-	-	-	-	-	-	1	-	-	-	3	1	-	-	-	-	-
250 EMPLOYEES AND OVER	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DELAWARE COUNTY	179	15	-	-	-	3	6	6	17	2	-	3	1	9	11	33	46	7	7	1	6	6
1 TO 19 EMPLOYEES	113	6	-	-	-	1	4	1	12	2	-	3	1	7	5	19	35	5	4	1	5	2
20 TO 99 EMPLOYEES	40	6	-	-	-	2	2	2	4	-	-	-	-	2	4	8	9	-	-	-	1	1
100 TO 249 EMPLOYEES	15	2	-	-	-	1	-	-	1	-	-	-	-	-	-	3	2	2	-	-	-	-
250 EMPLOYEES AND OVER	11	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DUBOIS COUNTY	107	8	-	-	2	26	34	2	7	2	-	5	-	4	-	4	1	-	4	-	1	7
1 TO 19 EMPLOYEES	50	5	-	-	16	16	13	2	6	-	-	3	-	1	-	3	3	-	1	-	-	4
20 TO 99 EMPLOYEES	32	3	-	-	1	7	10	-	1	-	-	1	-	3	-	1	1	-	2	-	-	2
100 TO 249 EMPLOYEES	19	3	-	-	1	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	6	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ELKHART COUNTY	748	15	-	1	32	97	29	6	30	10	1	57	3	14	12	122	80	31	152	6	27	23
1 TO 19 EMPLOYEES	397	9	-	1	16	44	8	2	22	5	1	23	3	9	5	72	59	22	66	4	17	12
20 TO 99 EMPLOYEES	254	3	-	-	15	40	19	3	8	1	-	26	-	4	5	36	16	4	57	1	5	8
100 TO 249 EMPLOYEES	68	3	-	-	1	11	1	1	-	2	-	7	-	1	2	8	5	3	18	1	3	3
250 EMPLOYEES AND OVER	29	-	-	-	-	2	-	-	-	-	-	1	-	-	-	6	-	2	11	1	2	-
FAYETTE COUNTY	34	-	-	-	-	1	-	1	6	-	1	-	-	2	2	11	7	1	1	-	-	1
1 TO 19 EMPLOYEES	20	-	-	-	-	1	-	1	5	-	-	-	-	2	1	3	4	-	-	-	-	-
20 TO 99 EMPLOYEES	7	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	2	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FLOYD COUNTY	77	5	-	-	4	17	2	4	7	4	-	4	2	3	2	9	7	2	1	-	2	2
1 TO 19 EMPLOYEES	43	4	-	-	2	6	1	1	4	2	-	4	2	1	2	6	6	1	1	-	1	1
20 TO 99 EMPLOYEES	23	-	-	-	1	7	1	1	3	-	-	-	-	-	-	-	2	1	-	-	-	-
100 TO 249 EMPLOYEES	4	1	-	-	1	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	4	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FOUNTAIN COUNTY	27	1	-	-	2	5	-	-	4	-	-	2	-	2	1	2	3	1	-	-	-	-
1 TO 19 EMPLOYEES	17	1	-	-	1	1	-	-	4	-	-	1	-	1	1	1	2	1	-	-	-	-
20 TO 99 EMPLOYEES	4	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	4	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FRANKLIN COUNTY	15	1	-	-	-	3	-	-	1	-	-	3	1	3	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	9	-	-	-	-	1	-	-	1	-	-	2	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	5	1	-	-	-	3	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																					
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's	
FULTON COUNTY	54	3	-	-	3	6	1	1	9	-	-	2	-	8	2	9	4	2	1	-	-	2	1
1 TO 19 EMPLOYEES	29	-	-	-	1	1	1	7	7	-	-	1	-	8	1	5	1	1	-	-	2	-	1
20 TO 99 EMPLOYEES	17	3	-	-	1	5	-	1	1	-	-	1	-	-	1	3	1	1	1	-	-	-	-
100 TO 249 EMPLOYEES	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	
250 EMPLOYEES AND OVER	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GIBSON COUNTY	38	5	-	-	-	2	-	6	6	1	1	2	-	5	1	-	8	4	-	1	1	1	
1 TO 19 EMPLOYEES	25	1	-	-	-	2	-	5	5	1	1	1	-	4	1	-	7	1	-	1	-	-	
20 TO 99 EMPLOYEES	6	3	-	-	-	-	-	1	1	-	-	-	-	1	-	-	1	-	-	-	-	-	
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER	5	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	2	-	-	1	1	
GRANT COUNTY	99	9	-	-	1	3	2	9	14	-	2	7	-	7	10	9	9	7	5	1	2	2	
1 TO 19 EMPLOYEES	49	4	-	-	-	1	1	1	12	-	2	1	-	4	3	3	7	2	1	1	2	-	
20 TO 99 EMPLOYEES	32	5	-	-	1	2	1	2	1	-	-	5	-	1	2	4	2	2	1	1	-	2	
100 TO 249 EMPLOYEES	8	-	-	-	-	-	-	-	1	-	-	-	-	2	2	1	-	1	-	-	-	-	
250 EMPLOYEES AND OVER	10	-	-	-	-	-	-	2	-	-	-	1	-	-	-	1	-	1	-	-	-	-	
GREENE COUNTY	30	6	-	-	-	7	1	-	4	-	-	-	-	7	-	1	1	2	1	-	-	-	
1 TO 19 EMPLOYEES	23	4	-	-	-	7	-	-	4	-	-	-	-	6	-	-	1	-	-	-	-	-	
20 TO 99 EMPLOYEES	3	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
100 TO 249 EMPLOYEES	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER	2	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	
HAMILTON COUNTY	96	2	-	-	5	2	3	4	11	4	-	7	1	11	3	15	13	5	5	1	2	2	
1 TO 19 EMPLOYEES	66	1	-	-	2	1	2	3	10	-	-	4	-	8	2	9	10	3	3	1	2	1	
20 TO 99 EMPLOYEES	22	-	-	-	1	1	1	-	1	-	-	2	1	3	-	4	3	1	1	-	-	1	
100 TO 249 EMPLOYEES	4	1	-	-	1	-	-	-	-	-	-	1	-	-	1	2	-	-	-	-	-	-	
250 EMPLOYEES AND OVER	4	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HANCOCK COUNTY	51	2	-	1	3	4	1	1	7	3	-	1	1	4	1	5	10	1	3	-	1	2	
1 TO 19 EMPLOYEES	36	2	-	1	2	4	1	1	5	2	-	1	1	3	1	2	8	1	1	-	1	1	
20 TO 99 EMPLOYEES	11	-	-	1	1	-	-	-	2	1	-	-	-	1	-	2	1	-	2	-	-	-	
250 EMPLOYEES AND OVER	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HARRISON COUNTY	25	5	-	-	-	11	3	-	1	-	1	-	-	3	-	-	-	-	1	-	-	-	
1 TO 19 EMPLOYEES	18	3	-	-	-	10	1	-	1	-	-	-	-	3	-	-	-	-	-	-	-	-	
20 TO 99 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
100 TO 249 EMPLOYEES	3	2	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HENDRICKS COUNTY	43	1	-	-	2	2	-	-	11	2	-	1	-	3	1	2	11	2	2	2	1	1	
1 TO 19 EMPLOYEES	34	-	-	-	-	-	-	-	10	1	-	-	-	3	1	1	9	2	1	1	-	-	
20 TO 99 EMPLOYEES	8	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
100 TO 249 EMPLOYEES	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HENRY COUNTY	69	5	-	2	3	7	2	2	8	1	1	7	-	4	4	3	12	1	3	1	1	2	
1 TO 19 EMPLOYEES	44	4	-	1	1	6	1	1	6	1	1	3	-	3	1	1	10	1	1	1	1	1	
20 TO 99 EMPLOYEES	17	-	-	1	1	1	-	-	2	-	-	1	-	1	1	1	2	-	1	1	-	-	
100 TO 249 EMPLOYEES	5	1	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HOWARD COUNTY	86	8	-	1	1	2	1	1	11	2	-	4	-	9	2	12	9	2	7	1	1	1	
1 TO 19 EMPLOYEES	50	4	-	1	1	2	1	-	6	5	1	5	-	6	1	7	13	9	4	1	1	2	
20 TO 99 EMPLOYEES	18	2	-	-	-	-	-	-	1	-	-	2	-	4	1	4	3	2	2	1	1	1	
100 TO 249 EMPLOYEES	12	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HUNTINGTON COUNTY	71	4	-	-	-	5	1	1	6	4	1	5	-	6	1	7	13	9	4	1	1	2	
1 TO 19 EMPLOYEES	32	1	-	-	-	5	1	-	5	3	1	2	-	4	1	4	10	2	2	1	1	1	
20 TO 99 EMPLOYEES	23	3	-	-	-	-	-	-	1	-	-	2	-	1	1	1	3	3	1	-	-	-	
100 TO 249 EMPLOYEES	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER	11	10	-	-	1	17	2	6	6	2	-	4	1	3	2	1	8	2	2	1	1	1	
JACKSON COUNTY	71	10	-	-	-	13	1	-	5	1	-	1	-	2	1	1	3	3	2	1	1	1	
1 TO 19 EMPLOYEES	35	6	-	-	-	4	1	1	1	2	-	1	-	2	1	1	3	2	2	1	1	1	
20 TO 99 EMPLOYEES	25	4	-	-	-	-	-	-	1	-	-	2	-	1	1	-	3	3	1	-	-	-	
100 TO 249 EMPLOYEES	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER	3	-	-	-	-	-	-	-	4	1	-	1	-	-	-	-	-	-	-	-	-	-	
JASPER COUNTY	30	2	-	-	1	3	2	-	4	1	-	1	-	4	-	5	3	3	1	1	1	1	
1 TO 19 EMPLOYEES	21	1	-	-	-	2	1	-	5	1	-	1	-	1	1	1	2	2	1	1	1	1	
20 TO 99 EMPLOYEES	5	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

(Major groups descriptions are: 20--food and kindred products; 21--textile mill products; 22--cotton manufactures; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B)

State, county, and employee size class ¹	All es- tablih- ments	Establishments in major industry groups																					
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's	
JAY COUNTY	33	6	-	-	2	6	-	-	3	1	1	3	-	3	-	2	2	1	-	-	-	2	1
1 TO 19 EMPLOYEES	17	3	-	-	1	4	-	-	2	1	1	2	-	1	-	1	1	1	-	-	-	1	1
20 TO 99 EMPLOYEES	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	1	-	1	-	-	-	-	-	1	-	2	-	1	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JEFFERSON COUNTY	34	2	-	-	2	5	1	-	3	1	-	2	1	3	-	2	5	2	1	-	-	4	-
1 TO 19 EMPLOYEES	19	2	-	-	2	5	1	-	2	1	-	2	-	2	-	1	2	2	1	-	-	2	-
20 TO 99 EMPLOYEES	9	-	-	-	-	-	-	-	1	1	-	-	-	1	-	1	1	-	-	-	-	1	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	2	-	-	-	-	-
250 EMPLOYEES AND OVER	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JENNINGS COUNTY	23	-	-	1	-	4	1	1	1	1	-	2	-	1	-	3	2	-	4	-	-	-	2
1 TO 19 EMPLOYEES	10	-	-	-	-	2	1	1	1	1	-	-	-	1	-	1	1	-	2	-	-	1	1
20 TO 99 EMPLOYEES	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	3	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JOHNSON COUNTY	85	3	-	-	2	13	2	2	10	3	-	6	-	2	2	6	24	3	3	1	-	-	2
1 TO 19 EMPLOYEES	59	1	-	-	1	6	1	1	8	3	-	3	-	2	2	5	21	2	1	1	-	-	1
20 TO 99 EMPLOYEES	17	2	-	-	1	4	1	1	2	-	-	3	-	-	-	-	3	4	-	-	-	-	1
100 TO 249 EMPLOYEES	5	-	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	4	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KNOX COUNTY	45	5	-	1	-	6	-	-	8	3	1	2	-	6	1	3	-	2	-	1	-	2	1
1 TO 19 EMPLOYEES	32	4	-	1	-	6	-	-	6	3	-	2	-	5	-	1	-	-	-	-	-	2	1
20 TO 99 EMPLOYEES	5	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	6	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KOSCIUSKO COUNTY	186	14	-	2	4	18	6	4	13	4	1	10	-	7	7	33	23	10	17	9	5	3	1
1 TO 19 EMPLOYEES	108	6	-	1	2	13	2	2	8	3	1	5	-	5	4	14	17	6	4	1	1	1	1
20 TO 99 EMPLOYEES	50	6	-	-	2	3	1	-	3	1	-	2	-	1	2	15	2	2	2	4	1	-	-
100 TO 249 EMPLOYEES	22	2	-	1	-	2	1	-	1	-	-	-	-	-	-	3	2	-	-	-	-	-	-
250 EMPLOYEES AND OVER	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
LAGRANGE COUNTY	50	4	-	-	2	10	3	-	2	-	-	-	-	3	1	8	4	1	12	-	-	-	-
1 TO 19 EMPLOYEES	27	3	-	-	-	5	1	-	2	-	-	-	-	3	3	4	4	-	7	-	-	-	-
20 TO 99 EMPLOYEES	15	1	-	-	1	3	-	-	-	-	-	-	-	-	-	3	-	-	3	-	-	-	-
100 TO 249 EMPLOYEES	6	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LAKE COUNTY	397	29	-	2	9	16	8	5	50	22	10	11	1	45	24	55	62	5	14	5	15	15	9
1 TO 19 EMPLOYEES	233	16	-	1	5	13	5	-	43	11	4	9	-	30	5	21	44	2	6	3	11	11	3
20 TO 99 EMPLOYEES	92	8	-	-	1	2	2	1	4	6	3	2	-	12	4	21	15	2	-	2	4	4	4
100 TO 249 EMPLOYEES	32	3	-	-	1	1	1	-	1	2	2	-	-	2	6	4	3	1	-	-	-	-	-
250 EMPLOYEES AND OVER	40	2	-	1	3	1	-	-	2	-	-	-	-	1	9	9	-	-	8	-	-	-	-
LA PORTE COUNTY	185	10	-	1	10	6	5	6	24	6	2	14	1	8	8	25	34	6	5	7	1	6	3
1 TO 19 EMPLOYEES	93	4	-	-	4	4	1	-	21	3	1	5	-	6	2	8	23	2	2	4	-	-	-
20 TO 99 EMPLOYEES	57	5	-	-	3	2	1	-	3	3	1	6	-	1	3	11	6	3	2	2	1	1	1
100 TO 249 EMPLOYEES	16	-	-	1	1	1	1	-	-	-	-	2	-	-	1	3	1	1	1	-	-	-	-
250 EMPLOYEES AND OVER	19	1	-	-	2	-	2	1	-	-	-	1	-	-	2	3	4	-	-	-	-	-	-
LAWRENCE COUNTY	70	4	-	-	2	14	-	-	5	1	1	-	-	17	4	10	8	2	1	1	-	-	-
1 TO 19 EMPLOYEES	48	4	-	-	1	13	-	-	4	1	1	-	-	12	1	6	5	1	-	-	-	-	-
20 TO 99 EMPLOYEES	14	-	-	-	-	1	-	-	1	-	-	-	-	3	2	3	1	-	-	-	-	-	-
100 TO 249 EMPLOYEES	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADISON COUNTY	146	11	-	-	4	7	4	1	16	3	-	3	1	9	4	8	38	8	4	4	3	5	1
1 TO 19 EMPLOYEES	93	4	-	-	4	5	2	-	12	3	-	1	-	2	2	5	30	5	1	1	2	2	1
20 TO 99 EMPLOYEES	34	5	-	-	2	2	2	-	2	3	-	1	-	1	1	2	8	1	1	1	1	1	1
100 TO 249 EMPLOYEES	11	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	8	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MARION COUNTY	1226	60	-	1	27	33	26	36	222	52	10	36	5	50	33	163	249	46	39	38	51	49	49
1 TO 19 EMPLOYEES	784	26	-	1	22	25	18	10	162	31	7	24	4	36	18	94	171	27	20	26	40	22	22
20 TO 99 EMPLOYEES	305	16	-	-	5	8	7	14	49	13	1	9	1	13	10	50	57	10	11	8	9	14	14
100 TO 249 EMPLOYEES	78	8	-	-	-	-	12	-	7	4	4	1	-	-	-	15	13	2	1	2	1	1	1
250 EMPLOYEES AND OVER	59	10	-	-	-	-	-	-	4	-	-	2	-	1	2	4	8	7	7	2	2	5	5

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				39	CAO's
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38			
MARSHALL COUNTY.	124	16	-	-	4	13	3	7	9	3	-	7	-	4	10	11	17	3	14	1	2	-	
1 TO 19 EMPLOYEES.	64	8	-	-	2	6	2	3	7	1	-	1	-	3	5	5	11	1	7	-	2	-	
20 TO 99 EMPLOYEES.	44	7	-	-	2	5	1	3	2	2	-	3	-	1	4	6	4	1	3	-	-	-	
100 TO 249 EMPLOYEES.	14	1	-	-	-	2	-	-	-	-	-	3	-	-	1	-	2	-	2	1	-	-	
250 EMPLOYEES AND OVER.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MARTIN COUNTY.	11	1	-	-	1	2	-	-	4	-	-	-	-	3	-	-	-	-	-	-	-	-	
1 TO 19 EMPLOYEES.	4	-	-	-	-	1	-	-	2	-	-	-	-	1	-	-	-	-	-	-	-	-	
20 TO 99 EMPLOYEES.	4	1	-	-	1	-	-	-	2	-	-	-	-	2	-	-	-	-	-	-	-	-	
100 TO 249 EMPLOYEES.	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MIAMI COUNTY.	49	3	-	-	-	5	7	2	8	2	-	2	-	2	2	5	4	4	-	1	1	1	
1 TO 19 EMPLOYEES.	24	1	-	-	-	4	2	1	6	-	-	-	-	2	2	1	4	1	-	1	1	1	
20 TO 99 EMPLOYEES.	13	2	-	-	-	1	2	1	1	2	-	-	-	1	1	3	-	-	-	-	-	-	
100 TO 249 EMPLOYEES.	8	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	2	-	-	-	-	
250 EMPLOYEES AND OVER.	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MONROE COUNTY.	90	6	-	1	1	9	2	1	19	3	1	1	-	13	-	1	5	12	1	3	8	3	
1 TO 19 EMPLOYEES.	63	3	-	1	-	7	2	1	16	3	1	1	-	7	-	1	4	6	1	2	6	1	
20 TO 99 EMPLOYEES.	18	3	-	-	1	2	-	-	2	-	-	-	-	5	-	-	-	2	-	-	2	1	
100 TO 249 EMPLOYEES.	4	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	1	-	-	-	1	
250 EMPLOYEES AND OVER.	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MONTGOMERY COUNTY.	45	2	-	-	-	4	-	1	9	-	-	1	-	5	2	6	11	2	2	-	-	-	
1 TO 19 EMPLOYEES.	22	1	-	-	-	3	-	-	5	-	-	-	-	5	1	1	5	1	1	-	-	-	
20 TO 99 EMPLOYEES.	10	1	-	-	-	1	-	1	2	-	-	1	-	-	-	2	2	2	1	-	-	-	
100 TO 249 EMPLOYEES.	9	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	
250 EMPLOYEES AND OVER.	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MORGAN COUNTY.	46	1	-	-	-	10	2	-	5	1	-	1	-	6	-	3	9	3	2	1	1	1	
1 TO 19 EMPLOYEES.	34	1	-	-	-	8	1	-	4	-	-	1	-	5	-	3	7	1	1	1	-	-	
20 TO 99 EMPLOYEES.	8	-	-	-	-	2	-	-	1	-	-	-	-	1	-	-	1	-	-	-	-	-	
100 TO 249 EMPLOYEES.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	
250 EMPLOYEES AND OVER.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NEWTON COUNTY.	24	2	-	-	1	-	1	2	1	1	-	2	-	1	1	-	7	4	1	-	-	-	
1 TO 19 EMPLOYEES.	18	2	-	-	1	-	1	1	1	1	-	1	-	1	-	-	7	1	1	-	-	-	
20 TO 99 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
100 TO 249 EMPLOYEES.	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NOBLE COUNTY.	97	7	-	-	1	5	2	2	8	-	-	6	-	2	8	14	23	8	6	2	-	3	
1 TO 19 EMPLOYEES.	51	3	-	-	-	3	2	1	4	-	-	2	-	2	1	7	18	2	2	1	-	2	
20 TO 99 EMPLOYEES.	34	3	-	-	-	2	-	1	4	-	-	2	-	-	-	-	3	6	2	-	-	1	
100 TO 249 EMPLOYEES.	7	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	
250 EMPLOYEES AND OVER.	5	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	
OHIO COUNTY.	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	
1 TO 19 EMPLOYEES.	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ORANGE COUNTY.	28	1	-	-	-	11	5	-	3	-	-	1	-	2	1	-	1	1	1	-	1	-	
1 TO 19 EMPLOYEES.	18	-	-	-	-	8	2	-	3	-	-	1	-	-	-	-	-	-	-	-	-	-	
20 TO 99 EMPLOYEES.	5	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
100 TO 249 EMPLOYEES.	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER.	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
OWEN COUNTY.	13	-	-	-	-	5	5	-	3	-	-	1	-	3	-	-	-	-	-	-	-	-	
1 TO 19 EMPLOYEES.	11	-	-	-	-	5	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
20 TO 99 EMPLOYEES.	1	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	
100 TO 249 EMPLOYEES.	1	2	-	-	-	6	-	-	1	-	-	2	-	2	-	-	2	1	-	-	-	-	
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PARKE COUNTY.	19	4	-	-	-	9	5	-	3	-	-	-	-	2	-	-	-	-	-	-	-	-	
1 TO 19 EMPLOYEES.	17	2	-	-	-	6	2	-	2	-	-	-	-	-	-	-	2	1	-	-	-	-	
20 TO 99 EMPLOYEES.	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PERRY COUNTY.	31	-	-	-	-	9	6	-	3	-	-	-	-	2	-	-	-	-	-	-	-	-	
1 TO 19 EMPLOYEES.	17	-	-	-	-	2	1	-	2	-	-	-	-	1	-	-	-	-	-	-	-	-	
20 TO 99 EMPLOYEES.	6	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
100 TO 249 EMPLOYEES.	5	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER.	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PIKE COUNTY.	11	1	-	-	-	6	5	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	
1 TO 19 EMPLOYEES.	9	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
20 TO 99 EMPLOYEES.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 — Con.

(Major groups descriptions are: 20---food and kindred products; 21---tobacco manufactures; 22---textile mill products; 23---apparel and other textile products; 24---lumber and wood products; 25---furniture and fixtures; 26---paper and allied products; 27---printing and publishing; 28---chemicals and allied products; 29---petroleum and coal products; 30---rubber and miscellaneous plastics products; 31---leather and leather products; 32---stone, clay, and glass products; 33---primary metal industries; 34---fabricated metal products; 35---machinery, except electrical; 36---electric and electronic equipment; 37---transportation equipment; 38---instruments and related products; 39---miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																		39	CAO's	
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37			38
PORTER COUNTY.	82	5	-	-	3	5	2	-	14	4	2	2	1	1	6	5	7	14	2	-	2	4
1 TO 19 EMPLOYEES.	56	4	-	-	2	4	2	-	13	2	2	1	1	-	7	2	2	10	1	-	1	2
20 TO 99 EMPLOYEES.	15	1	-	-	1	1	-	-	1	1	-	-	-	-	1	1	2	1	-	1	-	
100 TO 249 EMPLOYEES.	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER.	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
POSEY COUNTY.	27	4	-	-	-	3	1	-	5	2	2	1	-	2	1	2	3	3	-	-	1	
1 TO 19 EMPLOYEES.	18	2	-	-	-	3	1	-	4	1	-	-	-	2	1	1	3	-	-	-	-	
20 TO 99 EMPLOYEES.	4	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
100 TO 249 EMPLOYEES.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER.	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PULASKI COUNTY.	19	3	-	-	-	1	-	-	4	-	-	1	-	1	1	2	4	1	-	-	1	
1 TO 19 EMPLOYEES.	12	2	-	-	-	1	-	-	4	-	-	1	-	1	1	1	2	2	-	-	1	
20 TO 99 EMPLOYEES.	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PUTNAM COUNTY.	23	-	-	-	3	3	-	-	3	1	-	-	-	-	4	-	1	3	1	-	-	
1 TO 19 EMPLOYEES.	15	-	-	-	1	1	-	-	3	1	-	-	-	-	3	-	3	-	-	-	-	
20 TO 99 EMPLOYEES.	2	-	-	-	-	2	-	-	1	-	-	-	-	-	1	-	1	-	-	-	-	
100 TO 249 EMPLOYEES.	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RANDOLPH COUNTY.	68	6	-	-	1	3	2	-	5	-	-	2	1	1	4	7	10	15	1	3	1	
1 TO 19 EMPLOYEES.	42	4	-	-	1	1	1	-	5	-	-	1	1	1	3	3	7	10	1	1	3	
20 TO 99 EMPLOYEES.	16	2	-	-	-	1	-	-	-	-	-	-	-	-	-	2	2	2	1	1	4	
100 TO 249 EMPLOYEES.	4	-	-	-	-	1	-	-	-	-	-	-	-	-	1	1	1	1	-	-	-	
250 EMPLOYEES AND OVER.	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RIPLEY COUNTY.	34	5	-	-	-	7	4	-	2	2	-	2	1	1	4	-	4	1	1	-	1	
1 TO 19 EMPLOYEES.	24	5	-	-	-	5	2	-	2	2	-	2	-	-	4	-	2	1	1	-	-	
20 TO 99 EMPLOYEES.	6	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER.	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RUSH COUNTY.	32	3	-	1	-	1	2	3	3	-	-	-	-	-	4	2	3	7	6	1	1	
1 TO 19 EMPLOYEES.	25	2	-	1	-	1	1	-	3	3	-	-	-	-	3	1	3	1	-	-	-	
20 TO 99 EMPLOYEES.	5	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ST. JOSEPH COUNTY.	426	17	-	1	4	17	5	9	53	12	1	39	5	5	16	15	50	105	20	26	9	
1 TO 19 EMPLOYEES.	262	9	-	1	1	11	4	4	45	7	-	19	3	3	11	9	25	69	10	14	9	
20 TO 99 EMPLOYEES.	123	7	-	-	1	6	1	5	7	4	1	14	1	1	5	2	23	29	4	4	1	
100 TO 249 EMPLOYEES.	22	1	-	-	2	-	-	1	1	1	-	3	1	1	-	1	1	6	4	4	2	
250 EMPLOYEES AND OVER.	19	-	-	-	-	-	-	-	1	-	-	3	-	-	-	-	-	-	-	-	-	
SCOTT COUNTY.	28	2	-	-	-	8	1	-	3	-	-	2	-	-	5	1	2	2	1	1	1	
1 TO 19 EMPLOYEES.	22	1	-	-	-	6	2	-	3	-	-	-	-	-	4	1	1	-	-	-	-	
20 TO 99 EMPLOYEES.	4	-	-	-	-	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
250 EMPLOYEES AND OVER.	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SHELBY COUNTY.	68	5	-	-	2	4	1	1	7	-	-	4	-	-	10	2	6	17	5	1	1	
1 TO 19 EMPLOYEES.	39	3	-	-	1	2	-	2	4	-	-	2	-	-	2	1	5	12	1	1	-	
20 TO 99 EMPLOYEES.	17	2	-	-	1	2	-	-	3	-	-	1	-	-	2	1	1	4	2	1	-	
100 TO 249 EMPLOYEES.	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER.	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SPENCER COUNTY.	23	3	-	-	-	3	1	-	6	-	-	1	-	-	3	2	1	2	1	-	-	
1 TO 19 EMPLOYEES.	15	3	-	-	-	1	1	-	6	-	-	-	-	-	2	2	1	2	-	-	-	
20 TO 99 EMPLOYEES.	4	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
100 TO 249 EMPLOYEES.	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STARKE COUNTY.	27	1	-	-	1	6	1	-	2	4	-	-	-	-	2	1	4	3	-	-	-	
1 TO 19 EMPLOYEES.	20	3	-	-	-	6	-	-	2	3	-	-	-	-	2	1	2	1	-	-	-	
20 TO 99 EMPLOYEES.	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
100 TO 249 EMPLOYEES.	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STEUBEN COUNTY.	44	3	-	-	1	2	-	-	4	-	-	1	-	-	5	4	3	9	6	3	1	
1 TO 19 EMPLOYEES.	23	3	-	-	1	2	-	-	2	-	-	1	-	-	4	1	3	4	2	1	-	
20 TO 99 EMPLOYEES.	17	2	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	1	-	-	
100 TO 249 EMPLOYEES.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

See footnotes at end of table.

Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B)

State, county, and employee size class ¹	All es- tab- lish- ments	Establishments in major industry groups																				CAO's
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	
SULLIVAN COUNTY. 1 TO 19 EMPLOYEES. 20 TO 99 EMPLOYEES. 100 TO 249 EMPLOYEES. 250 EMPLOYEES AND OVER	27 21 5 1	4 3 1 -	- - - -	- 1 1 -	1 10 2 -	- - - -	- - - -	- - - -	3 3 - -	- - - -	- - - -	1 1 - -	- - - -	3 3 - -	- - - -	- - - 1	2 2 - -	- - - -	- - - -	1 - - 1	- - - -	
SWITZERLAND COUNTY. 1 TO 19 EMPLOYEES. 20 TO 99 EMPLOYEES. 100 TO 249 EMPLOYEES. 250 EMPLOYEES AND OVER	6 3 1 1 1	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	2 2 - - -	- - - - -	- - - - -	1 1 - - 1	1 - - - 1	1 1 - -	- - - -	1 - - -	- - - -	- - - -	- - - -	- - - -	- - - -	
TIPPECANOE COUNTY. 1 TO 19 EMPLOYEES. 20 TO 99 EMPLOYEES. 100 TO 249 EMPLOYEES. 250 EMPLOYEES AND OVER	102 53 29 9 11	13 3 6 3 1	- - - - -	2 2 - - -	6 3 2 1 -	1 6 1 - -	6 - 1 - -	19 16 2 1 -	5 2 2 - 1	5 2 2 - 1	- - - - -	2 1 - - 1	- - - - -	- - - - -	10 6 4 3 1	4 - - - -	6 2 4 - -	13 8 4 1 1	2 2 1 2 -	4 2 1 2 1	1 - - -	2 1 - -
TIPTON COUNTY. 1 TO 19 EMPLOYEES. 20 TO 99 EMPLOYEES. 100 TO 249 EMPLOYEES. 250 EMPLOYEES AND OVER	24 16 5 3	4 1 3 -	- - - -	- - - -	1 1 - -	- - - -	- - - -	1 1 - -	1 2 - -	2 - - -	- - - -	- - - -	- - - -	- - - -	1 1 - -	3 1 1 -	6 5 1 -	- - - -	- - - -	4 3 - 1	1 1 -	1 1 -
UNION COUNTY. 1 TO 19 EMPLOYEES. 20 TO 99 EMPLOYEES. 100 TO 249 EMPLOYEES. 250 EMPLOYEES AND OVER	7 4 3	1 - 1 -	- - - -	- - - -	- - - -	2 2 -	- - -	- - -	1 1 -	2 1 1	- - -	- - -	- - -	- - -	- - -	1 - 1	- - -	- - -	- - -	- - -	- - -	
VANDERBURGH COUNTY. 1 TO 19 EMPLOYEES. 20 TO 99 EMPLOYEES. 100 TO 249 EMPLOYEES. 250 EMPLOYEES AND OVER	243 141 58 25 20	30 13 9 5 3	- - - - -	7 2 2 1 2	8 6 1 1 -	12 7 2 2 1	4 1 2 1 -	40 30 7 1 2	10 5 2 2 1	10 3 2 2 1	- - - - -	16 1 8 5 2	- - - - -	10 8 2 1 -	4 3 1 - -	25 13 5 3 4	48 32 11 1 4	4 3 3 1 1	7 3 3 1 -	5 3 1 1 -	9 7 1 1 -	4 3 1 1 -
VERMILLION COUNTY. 1 TO 19 EMPLOYEES. 20 TO 99 EMPLOYEES. 100 TO 249 EMPLOYEES. 250 EMPLOYEES AND OVER	13 6 3 3 1	1 1 - - -	- - - - -	1 - 1 -	- - - -	- - - -	- - - -	1 1 - -	3 2 - 1	- 2 1 -	- - - -	1 1 - -	- - - -	3 2 1 -	- - - -	1 1 1	1 1 -	- - -	- - -	- - -	- - -	
VIGO COUNTY. 1 TO 19 EMPLOYEES. 20 TO 99 EMPLOYEES. 100 TO 249 EMPLOYEES. 250 EMPLOYEES AND OVER	129 74 29 9 17	17 7 5 2 3	- - - - -	3 2 1 - -	7 5 1 - -	2 1 1 - -	6 1 2 2 -	17 10 5 2 2	8 3 2 2 -	9 8 3 2 1	- - - - -	8 3 3 1 1	- - - - -	9 8 3 2 1	7 3 2 1 1	4 1 1 2 -	25 20 4 - 1	2 1 1 2 1	2 1 1 -	- - -	- - -	
WABASH COUNTY. 1 TO 19 EMPLOYEES. 20 TO 99 EMPLOYEES. 100 TO 249 EMPLOYEES. 250 EMPLOYEES AND OVER	73 39 16 9 9	3 3 - - -	- - - - -	2 2 - - -	5 3 1 - -	1 1 2 1 -	4 1 2 1 -	10 7 2 1 1	- 1 - - -	4 3 2 1 1	- - - - -	1 1 - - 1	- - - - -	7 3 2 2 1	4 3 1 1 2	7 3 1 1 2	18 11 6 1 1	4 1 1 2 1	1 1 -	3 2 -	2 2 -	
WARREN COUNTY. 1 TO 19 EMPLOYEES. 20 TO 99 EMPLOYEES. 100 TO 249 EMPLOYEES. 250 EMPLOYEES AND OVER	7 6 1	2 2 -	- - -	- - -	- - -	- - -	- - -	2 2 -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	1 1 1	2 1 1	- - -	- - -	- - -	- - -	
WARRICK COUNTY. 1 TO 19 EMPLOYEES. 20 TO 99 EMPLOYEES. 100 TO 249 EMPLOYEES. 250 EMPLOYEES AND OVER	39 25 9 3 2	- - - - -	- - - - -	3 - 1 2 -	3 2 1 - -	1 1 - - -	4 1 - - -	4 4 - - -	3 3 - - -	3 3 - - -	- - - - -	3 3 - - -	- - - - -	2 1 1 - 2	3 2 1 1 -	3 2 1 1 -	7 6 1 1 -	4 1 2 1 -	1 1 -	1 1 -	1 1 -	
WASHINGTON COUNTY. 1 TO 19 EMPLOYEES. 20 TO 99 EMPLOYEES. 100 TO 249 EMPLOYEES. 250 EMPLOYEES AND OVER	35 24 5 3 3	3 2 1 - -	- - - - -	2 1 1 - -	14 12 1 - -	1 - - - 1	- - - -	5 3 2 - -	2 2 - - -	2 2 - - -	- - - -	4 1 1 1 1	- - - -	1 1 - -	- - -	2 1 1 -	1 1 -	- - -	- - -	- - -	- - -	
WAYNE COUNTY. 1 TO 19 EMPLOYEES. 20 TO 99 EMPLOYEES. 100 TO 249 EMPLOYEES. 250 EMPLOYEES AND OVER	138 73 38 14 13	8 3 4 1 -	- - - - -	1 - - 1 -	6 3 2 - 1	3 2 1 - -	1 1 - -	13 11 1 1 -	4 2 2 - -	4 2 2 - -	- - - -	6 4 2 - -	1 1 - -	8 5 2 1 -	6 2 1 1 2	12 3 3 1 1	33 18 7 4 4	7 4 1 1 1	5 2 1 2 1	- - -	18 8 2 1 -	

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977—Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
WELLS COUNTY	38	4	-	-	-	1	-	-	5	1	-	4	-	2	2	3	14	1	-	-	-	1
1 TO 19 EMPLOYEES	22	1	-	-	-	1	-	-	4	1	-	2	-	1	-	1	10	-	-	-	-	1
20 TO 99 EMPLOYEES	11	3	-	-	-	-	-	-	1	-	-	1	-	-	1	1	4	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
250 EMPLOYEES AND OVER	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WHITE COUNTY	45	6	-	1	-	6	3	3	5	1	-	1	-	4	1	3	6	1	2	-	1	1
1 TO 19 EMPLOYEES	33	6	-	1	-	6	1	2	4	1	-	1	-	3	1	2	4	-	-	-	1	1
20 TO 99 EMPLOYEES	8	-	-	-	-	-	1	1	1	-	-	-	-	1	-	1	2	-	-	-	-	-
250 EMPLOYEES AND OVER	4	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	2	-	-	-
WHITLEY COUNTY	53	-	-	-	2	3	2	1	4	2	-	3	-	3	1	6	16	3	4	-	2	1
1 TO 19 EMPLOYEES	31	-	-	-	1	-	2	1	3	2	-	1	-	2	-	3	14	1	-	-	1	1
20 TO 99 EMPLOYEES	12	-	-	-	3	-	1	1	1	-	-	1	-	-	-	2	1	1	1	1	1	1
100 TO 249 EMPLOYEES	7	-	-	-	1	-	-	-	-	-	-	1	-	-	1	1	1	1	1	2	-	-
250 EMPLOYEES AND OVER	3	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-

and selected cities are presented in

of Manufacturing plants

Note: Data on number of establishments by employment size class by 4-digit SIC industry for States, counties, and selected cities are presented in Location of Manufacturing Plants data series. This series is available only on computer tape (see Introduction).
- Represents zero.
¹Only those counties and size classes that include data for manufacturing establishments are shown.



Iowa

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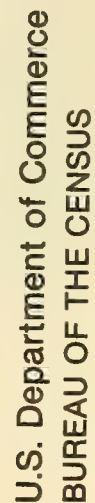
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SUMMARY OF FINDINGS

In 1977, 240.3 thousand persons were employed in Iowa's manufacturing establishments. This figure represented an increase of 12 percent from the 1972 figure of 215.5 thousand workers.

The total value added by manufacture for the State amounted to \$8,684 million in 1977, an increase of approximately 83 percent from the 1972 figure of \$4,758 million. All dollar figures in this report are in current dollars and are, therefore, not adjusted for changes in price levels.

In the State, the most important industry groups ranked by employment were machinery, except electrical; food and kindred products; electric and electronic equipment; and fabricated metal products. They accounted for approximately 63 percent of the State's 1977 employment. These same industry groups were in the forefront for 1972 when they accounted for approximately 63 percent of the State's employment.

The most important counties in the State ranked by employment were Linn, Polk, Black Hawk, and Scott. They accounted for approximately 38 percent of the State's 1977 manufacturing employment. In 1972, these same counties accounted for approximately 39 percent of the State's employment.

The methods of data collection and use of administrative records data are discussed in detail in the Introduction. Small single-unit companies with up to 20 employees (the cutoff varied by industry) were excluded from the mail portion of the census. For these establishments (and a small number of larger establishments whose reports were not received in time to be tabulated), statistics on payrolls and receipts were obtained from administrative records of other government agencies. Other statistics were developed from industry averages. For this State, these establishments accounted for 2 percent of the total value of shipments.

Table 1. Historical Employment Statistics for Operating Manufacturing Establishments and Central Administrative Offices: 1977 and Earlier Years

(For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

State, standard metropolitan statistical area, and year	All establishments		Operating manufacturing establishments		Central administrative offices and auxiliaries ¹	
	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)
Iowa:						
1977.....	240.3	3,382.5	235.5	3,291.7	4.8	90.8
1972.....	215.5	2,038.8	213.1	2,002.6	2.4	36.2
1967.....	210.1	1,434.6	208.8	1,320.3	1.3	14.3
1963.....	178.2	1,046.7	(D)	(D)	(D)	(D)
STANDARD METROPOLITAN STATISTICAL AREAS						
Cedar Rapids:						
1977.....	28.1	404.5	27.9	401.4	.2	3.1
1972.....	22.2	224.0	22.2	224.0	-	-
1967.....	28.3	204.4	(D)	(D)	(D)	(D)
1963.....	23.8	149.1	(D)	(D)	(D)	(D)
Davenport-Rock Island-Moline, Iowa-Ill.:						
1977.....	47.7	823.3	47.6	821.2	.1	2.1
1972.....	41.7	463.4	40.0	429.7	1.7	33.7
1967.....	49.3	387.1	47.6	367.0	1.7	20.1
1963.....	41.1	272.5	(D)	(D)	(D)	(D)
Des Moines:						
1977.....	25.4	385.4	23.4	344.6	2.0	40.8
1972.....	26.9	271.1	26.0	254.5	.9	16.6
1967.....	25.4	184.4	(D)	(D)	(D)	(D)
1963.....	21.6	135.0	21.4	134.1	.2	.9
Dubuque:						
1977.....	15.3	273.1	(D)	(D)	(D)	(D)
1972.....	15.0	166.1	(D)	(D)	(D)	(D)
1967.....	12.3	91.0	12.3	91.0	-	-
1963.....	10.9	70.4	10.9	70.4	-	-
Omaha, Nebr.-Iowa:						
1977.....	34.7	457.3	33.3	435.0	1.4	22.3
1972.....	38.0	341.1	37.0	329.7	1.0	11.4
1967.....	36.6	249.4	35.9	242.7	.7	6.7
1963.....	35.1	206.8	34.3	200.2	.7	6.6
Sioux City, Iowa-Nebr.:						
1977.....	9.6	123.7	(D)	(D)	(D)	(D)
1972.....	10.5	87.7	(D)	(D)	(D)	(D)
1967.....	9.2	57.8	9.2	57.4	(Z)	.4
1963.....	7.5	41.5	(D)	(D)	(D)	(D)
Waterloo-Cedar Falls:						
1977.....	20.6	342.0	(D)	(D)	(D)	(D)
1972.....	19.5	208.7	(D)	(D)	(D)	(D)
1967.....	21.0	151.6	21.0	151.6	-	-
1963.....	18.3	119.0	(D)	(D)	(D)	(D)

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Defined in appendix B. Data for these establishments are included at the total manufacturing level in each table in this report. Data for these establishments are shown separately in tables 5 and 9 and included in State, SMSA, county, or city totals in other tables.

Table 2a. Historical Statistics for the State and Selected Standard Metropolitan Statistical Areas:
1977 and Earlier Years

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Establishments ²		All employees ²		Production workers							Comparative indexes and U.S. employment			
	Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)	Value added by manu- facture (million dollars)	Cost of materials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)	Percent of U.S. manufac- turing employ- ment (per- cent)	Index of State em- ploy- ment change (1977= 100)	United States	
														Index of manufac- turing employ- ment change (1977= 100)	U.S. manu- facturing employ- ment (1,000)
IOWA															
1977 CENSUS.	3 783	1 245	240.3	3 382.5	170.6	331.7	2 191.3	8 684.4	14 943.6	23 514.9	677.8	1.23	100	100	19 596.9
1976 ASM....	(NA)	(NA)	231.1	2 994.8	164.0	312.8	1 910.3	7 798.6	13 126.6	20 772.3	709.5	1.23	96	96	18 753.0
1975 ASM....	(NA)	(NA)	225.1	2 717.9	159.0	305.9	1 746.4	6 977.2	12 096.1	19 011.6	689.2	1.23	94	94	18 302.2
1974 ASM....	(NA)	(NA)	237.7	2 634.9	175.3	344.3	1 776.9	6 774.7	11 826.5	18 260.1	512.7	1.20	99	102	19 844.8
1973 ASM....	(NA)	(NA)	232.3	2 376.5	169.0	334.8	1 559.7	5 646.9	10 678.2	16 156.9	326.7	1.17	97	102	19 897.9
1972 CENSUS.	3 387	1 170	215.5	2 038.8	157.0	311.2	1 355.0	4 757.7	7 945.0	12 599.8	329.4	1.13	90	98	19 028.7
1971 ASM....	(NA)	(NA)	200.8	1 729.3	143.2	279.8	1 122.3	3 941.1	6 317.0	10 229.3	262.6	1.09	84	94	18 363.1
1970 ASM....	(NA)	(NA)	213.4	1 706.8	151.6	298.2	1 097.2	3 797.0	6 310.5	10 069.0	281.5	1.11	89	99	19 217.2
1969 ASM....	(NA)	(NA)	218.8	1 669.3	158.9	313.3	1 086.9	3 729.9	6 079.3	9 759.5	267.4	1.09	91	103	20 035.5
1968 ASM....	(NA)	(NA)	214.5	1 544.7	155.9	312.2	1 021.5	3 553.6	5 593.0	9 093.0	224.7	1.10	89	100	19 527.6
1967 CENSUS.	3 388	1 092	210.1	1 434.6	154.0	310.0	946.1	3 250.9	5 498.1	8 681.0	230.7	1.09	87	99	19 323.2
1966 ASM....	(NA)	(NA)	205.6	1 375.1	150.1	308.6	911.4	3 030.6	5 296.3	8 231.8	221.8	1.08	86	98	19 024.5
1965 ASM....	(NA)	(NA)	192.3	1 222.8	138.8	280.4	798.8	2 637.9	4 614.6	7 215.1	184.2	1.07	80	92	18 010.2
1964 ASM....	(NA)	(NA)	182.2	1 131.4	130.4	267.1	739.7	2 484.4	4 267.7	6 705.2	172.2	1.06	76	89	17 268.5
1963 CENSUS.	3 496	982	178.2	1 046.7	126.9	256.4	687.0	2 287.0	(NA)	(NA)	127.0	1.05	74	87	16 958.4
DAVENPORT-ROCK ISLAND-MOLINE, IOWA-ILL., SMSA															
1977 CENSUS.	460	174	47.7	823.3	33.5	63.3	523.8	1 615.4	2 719.5	4 286.8	167.1	.24	100	100	19 596.9
1976 ASM....	(NA)	(NA)	45.7	707.0	32.2	60.4	449.7	1 469.9	2 261.7	3 676.1	161.8	.24	96	96	18 753.0
1975 ASM....	(NA)	(NA)	46.2	658.2	32.3	61.2	425.8	1 243.7	2 010.8	3 250.6	117.6	.25	97	94	18 302.2
1974 ASM....	(NA)	(NA)	49.6	653.7	36.0	70.6	437.6	1 245.8	1 863.3	2 982.1	76.9	.25	104	102	19 844.8
1973 ASM....	(NA)	(NA)	46.0	549.0	33.2	65.3	363.5	980.4	1 516.0	2 463.5	51.9	.23	97	102	19 897.9
1972 CENSUS.	416	167	41.7	463.4	29.8	57.7	300.4	852.2	1 236.3	2 012.8	36.2	.22	87	98	19 028.7
1971 ASM....	(NA)	(NA)	40.5	404.5	28.6	53.2	253.9	706.9	942.6	1 647.1	56.6	.22	85	94	18 363.1
1970 ASM....	(NA)	(NA)	43.8	384.7	31.0	58.0	245.2	698.4	922.3	1 620.1	62.4	.23	92	99	19 217.2
1969 ASM....	(NA)	(NA)	44.4	383.1	30.5	57.3	238.1	675.3	874.4	1 540.3	65.0	.22	93	103	20 035.5
1968 ASM....	(NA)	(NA)	45.4	362.5	33.1	60.5	247.5	712.3	848.7	1 559.5	101.5	.23	95	100	19 527.6
1967 CENSUS.	430	173	49.3	387.1	35.2	69.8	254.6	769.9	892.3	1 641.7	74.6	.26	103	99	19 323.2
1966 ASM....	(NA)	(NA)	48.6	379.7	35.5	73.8	257.5	693.4	905.2	1 584.3	53.6	.26	102	98	19 024.5
1965 ASM....	(NA)	(NA)	45.2	324.4	32.7	65.9	216.9	574.8	774.1	1 339.9	36.6	.25	95	92	18 010.2
1964 ASM....	(NA)	(NA)	45.1	312.8	33.0	66.6	210.8	559.5	744.8	1 269.4	28.0	.26	95	89	17 268.5
1963 CENSUS.	470	170	41.1	272.5	29.9	59.8	181.4	494.3	(NA)	(NA)	37.1	.24	86	87	16 958.4

(NA) Not available.
¹In annual survey of manufactures (ASM) years, data are estimates based on a representative sample of establishments canvassed annually and may differ from results of a complete canvass of all establishments. ASM publication shows percentage standard errors. Unless otherwise noted, for data prior to 1963, see 1963 Census of Manufactures, vol. III, table 1 of State chapter.
²Including central administrative offices and auxiliaries (for definition, see appendix B).
³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

**Table 2b. Selected Operating Ratios for the State and Selected Standard Metropolitan Statistical Areas:
1977 and Earlier Years**

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials as percent of value of shipments (percent)	Cost of materials and payroll as percent of value of shipments (percent)	Value added per employee (dollars)	Payroll as percent of value added (percent)	Value added per production worker hour (dollars)
IOWA									
1977 CENSUS.....	14 076	71	1 944	6.61	64	78	36 139	39	26.18
1976 ASM.....	12 959	71	1 907	6.11	63	78	33 746	38	24.93
1975 ASM.....	12 074	71	1 924	5.71	64	78	30 996	39	22.81
1974 ASM.....	11 085	74	1 964	5.16	65	79	28 501	39	19.68
1973 ASM.....	10 230	73	1 981	4.66	66	81	24 309	42	16.87
1972 CENSUS.....	9 461	73	1 982	4.35	63	79	22 077	43	15.29
1971 ASM.....	8 612	71	1 954	4.01	62	79	19 627	44	14.09
1970 ASM.....	7 998	71	1 969	3.68	63	80	17 793	45	12.72
1969 ASM.....	7 629	73	1 972	3.47	62	79	17 047	45	11.91
1968 ASM.....	7 201	73	2 003	3.27	62	78	16 567	43	11.38
1967 CENSUS.....	6 828	73	2 013	3.05	63	80	15 473	44	10.49
1966 ASM.....	6 688	73	2 056	2.95	64	81	14 740	45	9.82
1965 ASM.....	6 359	72	2 020	2.85	64	81	13 718	46	9.41
1964 ASM.....	6 210	72	2 048	2.77	64	81	13 636	46	9.30
1963 CENSUS.....	5 874	71	2 020	2.68	(NA)	(NA)	12 834	46	8.92
DAVENPORT-ROCK ISLAND-MOLINE, IOWA-ILL., SMSA									
1977 CENSUS.....	17 273	70	1 889	8.28	63	83	33 888	51	25.53
1976 ASM.....	15 470	70	1 876	7.45	62	81	32 164	48	24.34
1975 ASM.....	14 247	70	1 895	6.96	62	82	26 920	53	20.32
1974 ASM.....	13 179	73	1 961	6.20	62	84	25 117	52	17.65
1973 ASM.....	11 935	72	1 967	5.57	62	84	21 313	56	15.01
1972 CENSUS.....	11 113	71	1 936	5.21	61	84	20 436	54	14.77
1971 ASM.....	9 988	71	1 860	4.77	57	82	17 454	57	13.29
1970 ASM.....	8 783	71	1 871	4.23	57	81	15 945	55	12.04
1969 ASM.....	8 628	69	1 879	4.16	57	82	15 209	57	11.79
1968 ASM.....	7 985	73	1 828	4.09	54	78	15 689	51	11.77
1967 CENSUS.....	7 852	71	1 983	3.65	54	78	15 617	50	11.03
1966 ASM.....	7 813	73	2 079	3.49	57	81	14 267	55	9.40
1965 ASM.....	7 177	72	2 015	3.29	58	82	12 717	56	8.72
1964 ASM.....	6 936	73	2 018	3.17	59	83	12 406	56	8.40
1963 CENSUS.....	6 630	73	2 000	3.03	(NA)	(NA)	12 027	55	8.27

Note: For qualifications to data, see footnotes on table 2a.

(NA) Not available.

Table 3a. Summary Statistics for the State: 1977 and 1972

[For explanation of terms, see appendix B]

Item	Unit of measure	1977	1972
All establishments ¹ -----	number -----	3 783	3 387
With 1 to 19 employees -----	do -----	2 538	2 217
With 20 to 99 employees -----	do -----	810	777
With 100 employees or more -----	do -----	435	393
All employees, average for year ¹ -----	1,000 -----	240.3	215.5
Payroll for year, all employees ¹ -----	mil. dollars --	3 382.5	2 038.8
Production workers:-----	1,000 -----	170.6	157.0
Average for year -----	do -----	167.9	149.2
March -----	do -----	170.0	153.1
May -----	do -----	170.2	159.8
August -----	do -----	173.7	165.9
November -----	do -----		
Hours -----	millions -----	331.7	311.2
January to March -----	do -----	81.7	73.9
April to June -----	do -----	83.4	76.5
July to September -----	do -----	81.9	77.8
October to December -----	do -----	84.7	83.0
Wages -----	mil. dollars --	2 191.3	1 355.0
Cost of materials, etc. ² -----	do -----	14 943.6	7 945.0
Materials, parts, containers, etc., consumed -----	do -----	13 494.0	7 308.6
Resales -----	do -----	786.1	432.7
Fuels consumed -----	do -----	231.6	88.2
Purchased electric energy -----	do -----	170.8	68.9
Contract work -----	do -----	261.0	46.7
Value of shipments, including resales ² -----	do -----	23 514.9	12 599.8
Value of resales -----	do -----	927.3	506.7
Value added by manufacture -----	do -----	8 684.4	4 757.7
Manufacturers' inventories:-----	do -----	2 764.8	1 302.7
Beginning of year -----	do -----	865.6	497.8
Finished products -----	do -----	889.0	349.7
Work in process -----	do -----	1 010.2	455.2
Materials, supplies, fuel, etc. -----	do -----		
End of year -----	do -----	2 872.1	1 452.2
Finished products -----	do -----	906.6	525.7
Work in process -----	do -----	963.0	419.1
Materials, supplies, fuel, etc. -----	do -----	1 002.5	507.4
Capital expenditures for plant and equipment -----	do -----	708.3	341.0
New capital expenditures -----	do -----	677.8	329.4
New buildings and other structures -----	do -----	172.0	80.6
New machinery and equipment -----	do -----	505.8	248.8
Used capital expenditures -----	do -----	30.5	11.7

Represents zero. (D) Withheld to avoid disclosing operations of individual companies.
¹Including central administrative offices and auxiliaries (for definition, see appendix B).
²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 3b. Supplemental State Statistics Based on Sample Estimates: 1977

(For explanation of terms, see appendix B. For description of annual survey of manufactures (ASM), see appendix F)

Item	Amount (million dollars)	Standard error of estimate (percent)	Item	Amount (million dollars)	Standard error of estimate (percent)
Gross value of depreciable assets:			Rental payments:		
Total:			Total.....	97.7	3
Beginning of year.....	5,705.3	1	Buildings and other structures.....	28.6	6
New capital expenditures.....	752.8	2	Machinery and equipment.....	69.0	2
Used capital expenditures.....	31.4	9			
Retirements.....	176.9	5	Depreciation charges during 1977:		
End of year.....	6,312.6	1	Total.....	405.7	5
Buildings and other structures:			Buildings and other structures.....	73.4	2
Beginning of year.....	1,587.0	1	Machinery and equipment.....	332.3	6
New capital expenditures.....	179.2	4			
Used capital expenditures.....	(11.7)	20	Supplemental labor cost:		
Retirements.....	36.6	9	Total.....	710.4	1
End of year.....	1,741.3	1	Legal costs.....	250.8	1
Machinery and equipment:			Voluntary costs.....	459.5	1
Beginning of year.....	4,118.2	1			
New capital expenditures.....	573.6	2	Purchased services:		
Automobiles, trucks, etc., for highway use...	19.0	(NA)	Cost of purchased services for the repair of--		
Computers and peripheral data processing equip.	10.0	(NA)	Buildings and other structures.....	24.4	5
All other.....	439.8	(NA)	Response coverage ratio (percent).....	60	(X)
New machinery and equipment, n.s.k.....	104.8	(NA)	Machinery.....	(94.5)	(A)
Used capital expenditures.....	19.8	5	Response coverage ratio (percent).....	62	(X)
Retirements.....	140.5	4	Cost of purchased communication services.....	(33.8)	(A)
End of year.....	4,571.0	1	Response coverage ratio (percent).....	68	(X)

Note: Expenditures data, shown in tables 2a, 3a, and 4-8, are census universe figures and may differ from ASM sample estimates shown in this table. Table 3b figures represent best estimate of year-to-year change as measured by continuing ASM sample, but are subject to sampling errors. Hence, as estimates of level, they are not as reliable as universe figures. (NA) Indicates standard errors of 100 percent or more. Figures in parentheses have standard errors of 15 percent or more. (NA) Not available. n.s.k. Not specified by kind. (X) Not applicable.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area		1977											1972	
		All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)						
Iowa-----	-	3 783	1 245	240.3	3 382.5	170.6	331.7	2 191.3	8 684.4	14 943.6	23 514.9	677.8	215.5	4 757.7
STANDARD METROPOLITAN STATISTICAL AREAS														
Cedar Rapids-----	E3	225	80	28.1	404.5	16.7	32.7	220.8	933.2	1 456.0	2 399.3	62.6	22.2	471.4
Davenport-Rock Island-Moline, Iowa-Ill. --	-	460	174	47.7	823.3	33.5	63.3	523.8	1 615.4	2 719.5	4 286.8	167.1	41.7	852.2
Portion in Illinois-----	-	273	105	30.4	531.8	20.9	39.5	325.3	1 047.8	1 625.1	2 682.6	74.6	26.5	544.9
Portion in Iowa-----	-	187	69	17.3	291.6	12.6	23.7	198.5	567.6	1 094.4	1 604.3	92.5	15.2	307.3
Des Moines-----	-	465	135	25.4	385.4	16.1	31.2	221.2	887.1	1 447.6	2 346.6	54.7	26.9	569.8
Dubuque-----	-	122	49	15.3	273.1	11.0	22.4	192.3	577.1	909.5	1 483.0	32.1	15.0	348.8
Omaha, Nebr.-Iowa-----	-	680	243	34.7	457.3	24.7	48.0	288.3	1 217.4	2 616.1	3 835.0	82.6	38.0	846.3
Portion in Iowa-----	-	82	24	3.8	40.2	2.9	5.7	27.4	87.9	490.9	575.2	6.7	3.3	75.4
Portion in Nebraska-----	-	598	219	30.9	417.1	21.7	42.3	260.9	1 129.5	2 125.2	3 259.8	75.9	34.7	770.9
Sioux City, Iowa-Nebr.-----	-	165	62	9.6	123.7	6.5	12.8	71.2	285.4	1 216.0	1 496.1	38.0	10.5	196.2
Portion in Iowa-----	-	144	54	7.9	97.8	5.9	11.4	64.4	260.0	915.5	1 164.1	36.2	(D)	(D)
Portion in Nebraska-----	-	21	8	1.6	25.9	0.5	1.4	6.9	25.4	300.5	331.9	1.8	(D)	(D)
Waterloo-Cedar Falls-----	-	177	58	20.6	342.0	15.5	29.9	245.1	929.2	952.4	1 870.1	(D)	19.5	436.7
COUNTIES														
Adair-----	E2	13	1	0.1	1.0	0.1	0.2	0.8	2.5	4.0	6.5	0.1	(Z)	(NA)
Adams-----	E3	5	-	(Z)	0.2	(Z)	(Z)	0.1	0.3	0.8	1.1	(Z)	(D)	(D)
Allamakee-----	-	29	6	1.0	8.8	0.9	1.7	6.8	26.4	87.4	112.8	1.3	1.0	16.0
Appanoose-----	-	21	7	0.9	8.4	0.6	1.3	6.3	28.6	24.3	54.2	(D)	1.1	19.8
Audubon-----	-	8	1	0.1	0.9	0.1	0.1	0.6	1.2	1.6	3.2	0.2	0.2	2.1
Benton-----	-	24	6	0.6	6.9	0.4	0.8	4.4	12.0	28.5	41.2	0.5	0.5	6.4
Black Hawk-----	-	177	58	20.6	342.0	15.5	29.9	245.1	929.2	952.4	1 870.1	(D)	19.5	436.7
Boone-----	-	31	10	0.8	9.8	0.6	1.2	6.4	21.7	19.8	41.2	1.7	0.8	10.6
Bremer-----	-	41	13	1.2	16.4	1.0	2.0	12.6	72.5	84.2	158.7	1.0	(D)	(D)
Buchanan-----	-	25	6	0.5	5.3	0.4	0.8	4.2	12.5	48.1	60.6	(D)	0.3	6.1
Buena Vista-----	-	36	10	1.2	14.6	1.0	1.8	11.3	26.8	168.8	194.3	1.1	(D)	(D)
Butler-----	-	21	1	0.3	3.4	0.2	0.4	2.1	8.4	12.7	21.1	0.5	0.1	1.4
Calhoun-----	E1	21	3	0.2	2.5	0.2	0.4	1.5	4.4	15.6	20.1	0.3	0.2	2.7
Carroll-----	-	25	8	1.0	13.3	0.7	1.4	7.4	22.5	47.9	69.2	1.0	0.3	5.1
Cass-----	-	26	11	0.6	6.2	0.4	0.7	3.6	20.2	32.6	52.3	1.4	0.3	5.8
Cedar-----	-	26	6	0.5	5.4	0.4	0.7	3.5	15.3	29.7	44.9	1.3	0.2	5.1
Cerro Gordo-----	-	63	26	2.5	31.4	1.9	3.8	21.7	79.9	163.5	242.2	19.3	3.6	72.8
Cherokee-----	-	22	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Chickasaw-----	-	16	5	1.1	13.0	0.9	1.7	9.4	44.3	126.0	168.7	1.5	0.8	19.8
Clarke-----	-	12	6	0.5	4.2	0.4	0.7	3.1	13.5	16.1	29.6	0.4	0.2	2.2
Clay-----	-	38	13	1.8	23.4	1.4	2.9	16.4	38.0	285.1	322.8	3.4	0.9	18.7
Clayton-----	-	36	10	0.9	7.9	0.8	1.4	5.9	17.3	41.3	59.0	1.1	0.4	4.4
Clinton-----	-	60	32	7.1	97.1	5.4	10.6	68.4	363.1	439.7	809.1	23.2	6.6	171.5
Crawford-----	-	23	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Dallas-----	-	30	12	1.4	19.4	1.2	2.1	15.0	25.5	120.6	146.1	3.2	(D)	(D)
Davis-----	E2	12	2	0.2	1.7	0.1	0.3	1.3	3.1	2.0	5.0	0.2	0.1	0.9
Decatur-----	-	9	4	0.3	2.3	0.3	0.5	2.0	7.5	17.9	24.9	0.1	(D)	(D)
Delaware-----	-	28	8	0.7	7.3	0.5	1.1	5.1	26.4	46.7	73.6	1.0	0.5	7.6
Des Moines-----	-	63	30	7.5	103.0	5.5	10.7	69.4	319.6	234.0	553.2	11.2	9.2	186.3
Dickinson-----	-	19	5	1.3	12.3	1.1	1.4	7.9	29.9	19.0	46.8	0.9	1.0	16.4
Dubuque-----	-	122	49	15.3	273.1	11.0	22.4	192.3	577.1	909.5	1 483.0	32.1	15.0	348.8
Emmet-----	-	18	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.4	26.3
Fayette-----	-	42	11	0.9	10.3	0.7	1.4	6.6	29.2	57.5	87.5	2.4	0.8	16.4
Floyd-----	-	29	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Franklin-----	-	23	7	0.9	11.8	0.7	1.4	8.8	19.2	29.5	47.9	3.9	0.3	6.3
Fremont-----	-	9	1	(Z)	0.3	(Z)	(Z)	0.1	0.6	0.7	1.3	(Z)	0.2	5.7
Greene-----	-	15	7	0.6	6.7	0.4	0.9	4.4	13.0	12.3	25.4	0.9	0.8	6.2
Grundy-----	-	20	7	0.6	6.5	0.4	0.9	4.0	12.2	22.5	34.5	0.6	0.7	10.6
Guthrie-----	E1	8	1	0.1	0.8	0.1	0.2	0.7	0.8	0.7	1.5	0.1	(Z)	(NA)
Hamilton-----	-	42	14	1.2	11.1	0.9	1.7	7.6	25.5	54.0	78.9	2.3	1.7	26.2
Hancock-----	E1	20	4	0.4	5.1	0.3	0.7	3.3	10.5	11.1	21.3	0.8	0.2	2.9
Hardin-----	-	38	15	1.1	10.5	0.9	1.7	7.4	31.8	141.4	173.1	3.3	0.9	12.6
Harrison-----	E4	8	1	0.1	0.9	0.1	0.1	0.6	2.0	1.9	3.9	0.2	0.1	1.4
Henry-----	-	24	8	1.5	14.9	1.2	2.5	11.4	63.1	46.5	108.2	1.9	0.7	13.7
Howard-----	-	16	3	0.3	3.6	0.3	0.5	2.5	23.0	40.4	63.3	0.5	0.2	4.8
Humboldt-----	-	23	8	0.4	4.9	0.3	0.7	3.4	9.8	12.4	21.7	0.5	0.3	5.6
Ida-----	-	11	3	0.3	3.4	0.2	0.5	2.3	8.9	17.5	26.0	0.2	0.2	4.7
Iowa-----	-	25	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.0	29.8
Jackson-----	E2	31	10	1.0	9.0	0.8	1.6	7.0	17.0	50.9	68.9	0.9	0.7	10.0
Jasper-----	-	42	15	4.6	67.2	2.8	5.2	37.5	209.6	151.9	371.4	(D)	4.8	161.6
Jefferson-----	-	27	13	1.8	21.1	1.4	2.6	14.3	44.7	41.5	86.6	1.8	1.3	18.7
Johnson-----	-	63	18	2.7	35.0	2.1	4.2	23.5	273.9	191.7	462.5	5.8	2.1	140.3
Jones-----	-	41	11	0.9	9.6	0.7	1.3	6.1	28.9	38.1	67.3	1.5	0.7	8.8
Keokuk-----	-	7	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Kossuth-----	-	28	6	1.1	14.8	0.9	1.7	9.6	45.6	55.3	100.2	1.3	0.7	13.3
Lee-----	-	72	31	7.6	100.0	5.8	11.6	69.8	320.5	461.6	776.4	55.5	6.2	132.0
Linn-----	-	225	80	28.1	404.5	16.7	32.7	220.8	933.2	1 456.0	2 399.3	62.6	22.2	471.4
Louisa-----	-	17	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Lucas-----	-	10	2	0.3	2.7	0.2	0.4	1.9	4.6	5.1	9.5	(D)	0.3	4.6
Lyon-----	-	15	3	0.2	2.3	0.1	0.3	1.5	4.9	4.0	8.9	0.1	0.1	2.4
Madison-----	E2	11	-	(Z)	0.5	(Z)	(Z)	0.2	1.0	1.2	2.3	0.1	(D)	(D)
Mahaska-----	-	29	13	1.3	13.2	0.8	1.5	7.4	27.8	46.3	73.9	1.0	1.4	22.9
Marion-----	-	28	8	3.1	42.2	2.6	5.0	32.0	94.8	118.0	210.6	12.9	1.8	24.7
Marshall-----	-	56	22	7.0	109.5	4.1	7.7	58.6	220.3	216.2	432.6	8.7	5.8	118.4
Mills-----	-	10	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Mitchell-----	E2	13	3	0.2	2.1	0.2	0.4	1.3	5.9	6.0	11.7	0.5	0.1	1.0
Monona-----	E7	7	-	(Z)	0.3	(Z)	(Z)	0.2	0.7	0.8	1.4	0.1	(Z)	(NA)
Monroe-----	-	9	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	4.5

See footnotes at end of table.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

1977													1972	
Geographic area	E ¹	All establishments ²		All employees ²		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
		Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)						
COUNTIES—Con.														
Montgomery	-	14	6	1.1	12.1	0.8	1.7	8.9	41.7	24.9	66.8	2.2	0.8	22.4
Muscatine	-	85	43	7.9	103.5	5.6	10.8	62.3	480.8	485.6	965.9	33.8	5.7	224.0
O'Brien	-	33	7	0.6	6.4	0.4	0.8	4.3	14.5	131.0	146.7	1.1	(D)	(D)
Osceola	-	9	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	4.7
Page	-	22	9	1.4	16.1	1.1	2.1	11.1	63.3	47.7	110.2	1.0	0.8	14.8
Palo Alto	-	14	4	0.2	2.2	0.1	0.2	1.2	4.1	6.2	10.2	0.5	0.2	2.0
Plymouth	-	30	9	0.6	7.7	0.5	1.0	5.3	17.9	112.2	128.8	0.7	0.6	9.6
Pocahontas	-	21	4	0.4	4.3	0.3	0.5	2.3	6.9	7.1	13.9	0.4	0.4	6.2
Polk	E1	438	130	25.1	381.7	15.9	30.8	218.8	876.9	1 439.8	2 328.7	53.9	26.5	564.9
Pottawattamie	-	82	24	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.3	75.4
Poweshiek	-	28	15	1.5	16.1	1.2	2.3	11.6	42.2	48.8	89.4	2.7	1.1	22.3
Ringgold	E3	7	1	0.1	0.5	0.1	0.1	0.3	0.7	0.7	1.5	(Z)	0.1	0.6
Sac	-	24	5	0.6	6.7	0.5	0.8	4.5	12.5	21.2	38.1	0.5	0.4	5.8
Scott	-	187	69	17.3	291.6	12.6	23.7	198.5	567.6	1 094.4	1 604.3	92.5	15.2	307.3
Shelby	-	15	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Sioux	-	54	17	1.8	19.5	1.5	3.0	13.9	54.2	165.3	218.9	2.9	1.4	25.0
Story	-	64	18	3.3	42.0	2.3	4.6	24.7	119.0	153.9	263.0	7.8	1.6	39.2
Tama	-	23	5	0.5	6.1	0.4	0.8	4.2	14.5	71.7	86.4	2.0	(D)	(D)
Taylor	-	12	3	0.3	2.5	0.2	0.4	1.6	4.5	6.4	11.5	0.1	0.3	3.7
Union	-	18	4	0.4	4.9	0.2	0.5	2.7	8.5	10.4	18.7	(D)	0.6	11.4
Van Buren	-	9	4	0.2	1.8	0.2	0.4	1.3	3.8	2.6	6.4	0.2	0.2	2.4
Wapello	E1	39	17	3.7	61.9	2.6	4.8	40.8	133.6	234.9	366.8	6.8	5.1	86.4
Warren	-	27	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	4.9
Washington	-	31	9	1.4	15.7	1.0	2.0	9.5	32.1	74.4	109.9	3.4	0.9	16.8
Wayne	-	15	5	0.4	3.1	0.3	0.5	2.1	8.4	8.0	16.0	0.7	0.2	3.1
Webster	-	64	26	3.7	53.1	2.8	5.9	39.1	150.3	442.8	587.6	6.9	3.8	82.3
Winnebago	-	26	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Winneshiek	-	18	7	0.6	5.8	0.5	1.0	4.3	14.6	23.0	37.6	1.4	0.4	7.0
Woodbury	-	144	54	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Worth	-	8	2	0.2	1.5	0.1	0.3	0.9	2.7	4.0	6.7	0.3	(D)	(D)
Wright	-	28	9	0.8	8.5	0.4	0.9	4.4	32.2	198.9	232.1	5.5	0.6	16.4
CITIES														
Albia	-	9	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Algona	-	17	4	0.9	8.6	0.7	1.3	6.4	33.7	24.3	57.2	(D)	0.5	11.4
Ames	-	42	13	2.8	36.6	1.9	3.9	21.1	105.4	140.7	238.1	7.4	1.3	21.7
Atlantic	-	20	10	0.6	5.8	0.4	0.7	3.4	19.6	31.8	51.0	1.3	(NA)	(NA)
Bettendorf	-	31	13	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Boone	-	23	10	0.8	9.5	0.6	1.1	6.2	20.8	19.2	39.9	1.7	0.5	6.3
Burlington	-	51	27	5.8	82.1	4.4	8.6	56.7	274.4	220.8	494.8	(D)	8.9	176.4
Camanche	-	8	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Carroll	-	12	6	0.9	12.2	0.6	1.3	6.6	18.0	38.5	55.5	0.8	(NA)	(NA)
Cedar Falls	-	55	16	1.9	23.9	1.2	2.4	15.9	46.2	31.0	76.0	2.8	1.5	23.1
Cedar Rapids	-	166	74	27.6	398.9	16.4	32.1	217.8	922.2	1 440.1	2 372.8	61.7	21.9	467.1
Centerville	-	17	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Charles City	-	19	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Cherokee	-	13	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Clarinda	-	8	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	4.3	95.2
Clinton	-	41	24	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Council Bluffs	-	61	21	3.2	32.3	2.5	4.9	22.0	71.8	310.8	381.2	5.1	(D)	(D)
Davenport	-	130	50	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	9.9	209.3
Decorah	-	9	6	0.5	4.9	0.4	0.9	3.7	13.2	19.8	32.9	1.2	(NA)	(NA)
Denison	-	13	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Des Moines	-	298	89	16.2	235.6	9.1	17.9	113.5	497.9	1 011.2	1 523.7	32.5	17.7	319.7
Dubuque	-	97	43	14.4	264.8	10.3	21.1	187.1	558.8	894.4	1 449.9	30.6	14.2	337.9
Dyersville	-	11	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Eldora	-	13	6	0.5	4.1	0.4	0.9	2.9	9.8	11.0	21.6	0.8	(NA)	(NA)
Estherville	-	13	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Fairfield	-	25	13	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Forest City	-	12	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Fort Dodge	-	54	23	3.5	49.9	2.7	5.6	37.1	134.9	426.1	556.8	5.9	(D)	(D)
Fort Madison	-	29	14	4.0	49.0	3.0	5.8	33.6	203.6	318.4	521.6	13.0	2.9	80.5
Grinnell	-	16	10	1.2	12.8	0.9	1.7	8.9	34.6	41.1	74.3	1.7	0.9	20.4
Hampton	-	12	4	0.5	7.4	0.4	0.8	6.1	9.3	15.6	24.4	(D)	(NA)	(NA)
Iowa City	E6	44	14	2.5	33.0	1.9	3.9	22.0	267.0	179.5	443.4	5.4	2.0	136.8
Jefferson	-	10	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Keokuk	-	37	16	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.3	50.5
Le Mars	E1	24	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Manchester	-	11	5	0.5	5.0	0.4	0.8	3.5	17.5	19.9	37.6	0.6	(NA)	(NA)
Maquoketa	E1	20	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	6.8
Marshalltown	-	47	20	6.8	108.4	4.1	7.5	57.9	217.8	208.2	422.2	(D)	5.7	116.5
Mason City	-	51	22	2.1	26.7	1.6	3.3	18.8	70.5	145.6	215.2	18.5	3.1	64.5
Monticello	-	23	9	0.7	7.6	0.5	0.9	4.3	18.8	21.5	40.6	1.4	0.6	6.7
Mount Pleasant	-	17	7	1.5	14.6	1.2	2.5	11.2	62.2	45.7	106.4	(D)	(D)	(D)
Muscatine	-	55	31	5.3	71.6	3.6	7.0	40.1	179.6	250.7	431.0	(D)	4.1	93.3
New Hampton	-	9	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Newton	-	25	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	10.6
Oelwein	-	17	8	0.6	7.5	0.4	0.8	4.4	21.3	16.6	37.4	1.0	(D)	(D)
Oskaloosa	-	26	12	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Ottumwa	-	34	16	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.8	23.6
Pella	-	19	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Red Oak	-	12	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Shenandoah	-	17	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

See footnotes at end of table.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area	1977											1972		
	E ¹	All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)						
CITIES—Con.														
Sioux City -----	-	126	48	7.3	89.2	5.5	10.5	59.7	222.9	681.0	892.6	27.0	7.7	143.1
Spencer -----	-	32	12	1.8	23.0	1.3	2.8	16.2	37.2	284.5	321.4	(D)	(D)	(D)
Spirit Lake -----	-	9	4	1.2	10.8	0.9	1.2	6.8	26.2	16.4	40.6	(D)	(D)	(D)
Storm Lake -----	-	19	7	1.1	13.3	0.9	1.6	10.5	24.3	165.4	188.4	1.0	(D)	(D)
Vinton -----	-	14	4	0.5	5.3	0.3	0.6	3.6	8.7	24.2	33.1	0.4	(NA)	(NA)
Washington -----	-	14	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.7	15.0
Waterloo -----	-	102	42	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	17.7	408.9
Waverly -----	-	18	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Webster City -----	-	33	13	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.2	20.0
West Des Moines -----	-	41	12	1.1	15.2	0.7	1.4	8.5	36.5	32.8	68.6	1.7	1.1	19.9

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Including central administrative offices and auxiliaries (for definition, see appendix B).
³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix 2.															
SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	All industries -----	-	3 783	1 245	240.3	3 382.5	170.6	331.7	2 191.3	8 684.4	14 943.6	23 514.9	677.8	215.5	4 757.7
20	Food and kindred products -----	-	591	258	46.3	678.7	33.3	65.3	467.4	1 833.3	8 049.3	9 905.9	160.0	49.6	1 112.0
201	Meat products -----	-	132	64	24.3	379.8	19.8	37.6	302.9	674.8	4 712.0	5 373.2	58.8	27.5	487.3
2011	Meat packing plants -----	-	88	40	20.2	333.3	16.3	30.7	267.8	533.8	4 271.2	4 790.6	36.6	24.0	431.7
2013	Sausages and other prepared meats -----	-	26	12	2.4	34.2	2.0	4.1	24.9	117.2	310.1	428.5	20.9	1.2	26.0
2016	Poultry dressing plants -----	-	12	6	1.2	8.4	1.1	2.0	7.2	16.1	84.3	100.1	0.2	0.9	9.0
2017	Poultry and egg processing --	-	6	6	0.5	3.8	0.5	0.8	2.9	7.7	46.4	54.0	1.0	1.4	20.5
202	Dairy products -----	-	108	42	3.6	44.4	2.2	4.7	25.4	138.2	638.5	780.5	6.7	4.3	115.7
2022	Cheese, natural and processed -----	-	22	11	0.9	9.1	0.8	1.5	7.1	21.6	184.6	207.4	1.5	0.6	17.9
2023	Condensed and evaporated milk -----	-	17	9	0.7	9.2	0.6	1.3	7.3	55.7	146.2	202.7	1.0	0.9	49.8
2024	Ice cream and frozen desserts -----	-	13	5	0.3	3.1	0.2	0.4	2.2	7.2	20.2	27.2	(D)	0.2	4.2
2026	Fluid milk -----	-	44	16	1.6	21.6	0.6	1.3	8.0	50.1	247.7	298.5	2.3	2.2	37.8
203	Preserved fruits and vegetables -----	-	18	10	2.0	18.6	1.8	3.4	14.9	88.8	93.3	182.6	4.9	EE	(D)
2032	Canned specialties -----	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2033	Canned fruits and vegetables -----	-	5	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2038	Frozen specialties -----	-	5	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
204	Grain mill products -----	-	173	69	10.0	154.2	5.9	11.7	84.7	646.3	1 246.0	1 891.4	56.6	9.6	324.9
2041	Flour and other grain mill products -----	-	5	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2043	Cereal breakfast foods -----	-	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2046	Wet corn milling -----	-	7	7	3.5	61.9	2.1	4.2	36.1	198.5	474.6	673.4	39.8	FF	(D)
2047	Dog, cat, and other pet food -----	-	10	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2048	Prepared feeds, n.e.c. -----	-	149	55	3.8	50.8	1.5	3.2	17.5	167.6	492.3	659.3	7.5	3.7	97.2

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]															
SIC code	Industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
20	Food and kindred products—Con.	-	43	16	2.3	29.2	1.3	2.5	14.9	71.2	54.7	125.9	3.4	3.1	47.2
205	Bakery products -----	-	43	16						(D)	(D)	(D)	(D)	2.4	40.6
2051	Bread, cake, and related products -----	-	40	14	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.7	6.6
2052	Cookies and crackers -----	-	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)		
207	Fats and oils -----	-	38	19	1.3	18.7	1.0	2.1	12.3	92.9	1 165.4	1 291.1	14.2	1.0	46.1
2075	Soybean oil mills -----	-	19	13	1.0	13.9	0.7	1.5	9.0	66.9	1 115.8	1 216.1	10.9	0.8	38.6
2077	Animal and marine fats and oils -----	-	19	6	0.4	4.9	0.3	0.6	3.4	26.0	49.6	75.0	3.3	0.3	7.5
208	Beverages -----	-	39	23	1.3	18.6	0.5	1.6	4.9	55.3	76.1	130.9	6.9	1.8	35.2
2086	Bottled and canned soft drinks -----	-	30	21	1.2	17.6	0.5	1.5	4.4	52.1	68.4	119.8	(D)	1.7	32.6
209	Miscellaneous foods and kindred products -----	-	33	14	1.2	14.3	0.7	1.5	6.5	64.2	61.4	126.9	8.5	0.7	25.6
2099	Food preparations, n.e.c. -----	-	20	13	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.6	24.0
22	Textile mill products --	-	9	7	1.2	9.7	1.0	1.5	6.1	24.1	13.2	35.8	0.8	0.3	2.8
225	Knitting mills -----	-	3	3	0.3	2.2	0.3	0.5	1.6	5.2	4.1	9.2	0.2	(NA)	(NA)
2253	Knit outerwear mills -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
229	Miscellaneous textile goods ---	-	3	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2298	Cordage and twine -----	-	3	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
23	Apparel and other textile products -----	-	78	33	4.4	31.4	3.9	7.4	24.1	67.7	63.6	127.3	2.4	3.5	34.3
232	Men's and boys' furnishings ---	E1	12	11	1.6	10.9	1.5	2.9	9.2	21.6	23.7	42.2	(D)	1.3	10.6
2328	Men's and boys' work clothing -----	-	5	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2329	Men's and boys' clothing, n.e.c. -----	E2	5	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.6	5.5
233	Women's and misses' outerwear -----	E1	14	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2335	Women's and misses' dresses -----	E1	11	2	0.5	3.4	0.4	0.7	2.5	4.0	2.3	6.0	(D)	BB	(D)
2339	Women's and misses' outerwear, n.e.c. -----	-	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
234	Women's and children's undergarments -----	-	4	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.6	6.9
2341	Women's and children's underwear -----	-	4	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.6	6.9
235	Hats, caps, and millinery -----	-	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2352	Hats and caps, except millinery -----	-	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
239	Miscellaneous fabricated textile products -----	-	40	9	0.9	7.3	0.7	1.3	4.4	15.6	23.8	39.7	(D)	0.4	5.3
2392	House furnishings, n.e.c. -----	-	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2394	Canvas and related products -----	-	17	3	0.3	3.0	0.2	0.4	1.7	6.0	6.2	12.2	(D)	AA	(D)
2395	Pleating and stitching -----	-	3	3	0.3	2.8	0.2	0.4	1.6	6.7	14.4	21.3	(D)	(NA)	(NA)
24	Lumber and wood products -----	-	174	40	5.2	57.8	4.4	8.4	44.8	124.5	159.0	281.8	9.3	5.0	72.1
242	Sawmills and planing mills ---	E2	52	2	0.4	3.8	0.4	0.8	3.2	8.7	7.6	16.6	1.2	0.4	5.2
2421	Sawmills and planing mills, general -----	E3	45	-	0.2	2.1	0.2	0.4	1.8	4.6	4.5	9.1	(D)	0.3	4.8
2426	Hardwood dimension and flooring -----	-	6	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
243	Millwork, plywood, and structural members -----	-	35	13	2.6	32.8	2.2	4.3	26.0	60.7	65.7	124.8	5.2	3.0	39.8
2431	Millwork -----	-	13	7	2.0	25.9	1.8	3.4	21.1	45.7	55.0	99.4	(D)	2.3	29.3
2434	Wood kitchen cabinets -----	-	15	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
244	Wood containers -----	-	21	6	0.3	2.3	0.3	0.5	2.0	4.1	5.0	9.1	0.2	0.3	3.3
2448	Wood pallets and skids -----	-	18	6	0.3	2.1	0.3	0.4	1.8	3.8	4.7	8.5	0.2	(NA)	(NA)
245	Wood buildings and mobile homes -----	-	24	16	1.5	15.0	1.2	2.2	11.0	43.3	70.1	112.9	2.2	0.9	19.1
2452	Prefabricated wood buildings -----	-	21	15	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
249	Miscellaneous wood products --	E1	16	2	0.2	2.4	0.2	0.4	1.4	3.6	4.7	8.3	0.1	BB	(D)
2499	Wood products, n.e.c. -----	-	15	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
25	Furniture and fixtures --	-	65	23	3.7	47.5	2.8	5.4	30.2	105.0	87.4	191.0	3.5	3.8	65.8
251	Household furniture -----	-	30	11	1.8	21.2	1.4	2.6	13.2	38.8	39.6	78.2	(D)	1.9	27.0
2512	Upholstered household furniture -----	-	11	6	1.2	16.7	0.9	1.7	9.8	27.7	26.3	53.9	(D)	1.3	18.5
2515	Mattresses and bedsprings --	-	6	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2519	Household furniture, n.e.c. ---	-	3	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
252	Office furniture -----	-	5	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2521	Wood office furniture -----	-	3	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2522	Metal office furniture -----	-	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2531	Public building and related furniture -----	-	9	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
254	Partitions and fixtures -----	-	15	4	0.3	3.6	0.2	0.5	2.0	10.0	12.0	21.6	(D)	AA	(D)
2541	Wood partitions and fixtures -----	-	14	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
26	Paper and allied products -----	-	56	37	4.8	60.1	3.7	7.4	41.6	157.1	241.6	395.3	8.7	4.3	89.8
2631	Paperboard mills -----	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
264	Miscellaneous converted paper products -----	-	32	18	2.2	25.3	1.7	3.4	17.1	83.9	106.5	187.7	2.9	1.7	40.1
2641	Paper coating and glazing ---	-	8	6	0.7	9.9	0.5	1.1	6.2	33.4	66.2	98.0	(D)	0.5	13.7
2642	Envelopes -----	-	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2643	Bags, except textile bags ---	-	6	5	1.1	11.0	0.9	1.7	8.2	40.7	30.2	70.0	0.8	1.1	23.5
265	Paperboard containers and boxes -----	-	20	16	2.3	29.5	1.8	3.4	20.5	62.0	117.7	179.0	3.9	2.2	40.7
2651	Folding paperboard boxes ---	-	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2653	Corrugated and solid fiber boxes -----	-	14	12	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2654	Sanitary food containers ---	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
27	Printing and publishing -----	-	775	136	14.6	168.4	8.2	15.0	83.9	413.4	299.4	710.7	28.0	13.6	227.6
2711	Newspapers -----	-	306	54	5.6	56.2	2.4	4.0	21.4	133.7	39.2	172.9	9.0	5.6	85.7
2721	Periodicals -----	-	29	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.8	34.2
273	Books -----	-	18	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.8	38.3
2731	Book publishing -----	-	11	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2732	Book printing -----	-	7	3	0.3	3.0	0.2	0.5	2.5	6.8	3.2	9.4	0.1	AA	(D)
2741	Miscellaneous publishing ----	E1	43	4	0.4	4.3	0.2	0.4	1.8	8.7	5.7	14.5	0.3	CC	(D)
275	Commercial printing -----	-	320	45	5.0	62.5	3.8	7.1	44.3	120.4	106.5	225.4	12.7	2.9	41.5
2751	Commercial printing, letterpress -----	-	181	13	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.2	17.7
2752	Commercial printing, lithographic -----	-	135	32	2.3	27.7	1.7	2.9	17.2	50.5	33.2	83.3	3.3	EE	(D)
2761	Manifold business forms ----	-	14	11	0.9	11.9	0.7	1.4	7.3	29.9	25.6	55.1	(D)	0.6	13.6
278	Blankbooks and bookbinding --	-	14	4	0.3	3.2	0.2	0.5	2.2	7.5	1.9	9.4	0.2	AA	(D)
2782	Blankbooks and looseleaf binders -----	-	5	3	0.2	2.4	0.2	0.3	1.6	6.3	1.6	7.8	(D)	(NA)	(NA)
279	Printing trade services -----	E1	31	4	0.3	3.9	0.3	0.5	2.6	6.5	1.6	7.8	0.4	0.2	3.1
2791	Typesetting -----	E1	18	3	0.2	2.7	0.2	0.4	1.7	4.7	0.8	5.3	0.3	0.2	1.7
28	Chemicals and allied products -----	-	135	39	5.5	84.6	3.5	7.1	47.3	809.9	716.9	1 520.0	55.1	4.9	390.1
281	Industrial inorganic chemicals --	-	13	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
282	Plastics materials and synthetics -----	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2821	Plastics materials and resins -	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
283	Drugs -----	-	23	4	1.0	13.4	0.5	1.0	5.5	45.5	25.7	69.9	2.5	1.0	27.4
2834	Pharmaceutical preparations -	-	14	4	0.9	12.4	0.4	0.8	4.9	32.8	21.9	53.5	(D)	BB	(D)
284	Soaps, cleaners, and toilet goods -----	-	26	6	1.0	13.1	0.6	1.2	7.2	227.4	131.7	358.4	4.1	0.9	123.4
2841	Soap and other detergents ---	-	8	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2844	Toilet preparations -----	-	7	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2851	Paints and allied products ----	-	14	4	0.6	8.7	0.4	0.8	5.0	26.0	57.3	82.9	2.8	0.6	26.6
286	Industrial organic chemicals ---	-	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2869	Industrial organic chemicals, n.e.c. -----	-	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
287	Agricultural chemicals -----	-	32	13	1.3	20.7	0.8	1.8	12.0	113.2	206.3	315.5	11.8	1.3	59.7
2873	Nitrogenous fertilizers -----	-	7	4	0.5	8.8	0.3	0.6	4.2	65.4	96.3	157.6	6.6	0.4	18.9
2874	Phosphatic fertilizers -----	-	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2875	Fertilizers, mixing only -----	-	11	4	0.3	3.2	0.2	0.3	1.7	9.0	26.4	35.5	(D)	0.4	9.3
289	Miscellaneous chemical products -----	-	22	5	0.5	7.5	0.3	0.6	3.7	26.4	33.0	58.2	(D)	0.2	5.1
2899	Chemical preparations, n.e.c. -----	-	17	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
29	Petroleum and coal products -----	-	15	5	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.3	7.8
295	Paving and roofing materials ---	-	12	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	4.9
30	Rubber and miscellaneous plastics products ----	-	110	49	11.6	160.9	9.3	18.4	120.0	428.6	395.4	813.7	27.3	10.0	251.4
3011	Tires and inner tubes -----	-	5	5	4.2	70.6	3.4	6.5	55.2	188.1	188.3	370.9	(D)	FF	(D)
3041	Rubber and plastics hose and belting -----	-	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3069	Fabricated rubber products, n.e.c. -----	-	11	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3079	Miscellaneous plastics products -----	-	92	40	5.5	66.9	4.4	8.6	46.7	193.5	167.8	353.6	13.5	4.5	84.8

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]															
SIC code	Industry	1977											1972		
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
31	Leather and leather products -----	-	17	9	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.8	8.6
3111	Leather tanning and finishing --	-	6	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3151	Leather gloves and mittens ----	-	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	2.6
3161	Luggage -----	-	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
32	Stone, clay, and glass products -----	-	372	77	6.9	93.8	5.5	11.3	69.4	260.3	280.7	538.4	33.3	6.0	131.5
3231	Products of purchased glass ---	-	7	3	0.4	3.6	0.3	0.6	3.0	12.1	8.4	20.3	(D)	BB	(D)
3241	Cement, hydraulic -----	-	5	5	1.1	19.6	1.0	2.0	16.6	56.8	48.1	105.4	(D)	1.1	37.7
325	Structural clay products -----	-	9	9	0.7	6.4	0.5	1.0	4.3	12.4	8.2	20.3	1.1	0.8	10.7
3251	Brick and structural clay tile --	-	5	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3259	Structural clay products, n.e.c. -----	-	4	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
327	Concrete, gypsum, and plaster products -----	-	322	55	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.7	75.6
3271	Concrete block and brick ----	-	24	7	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.3	4.3
3272	Concrete products, n.e.c. -----	E1	86	17	1.0	12.5	0.8	1.7	9.1	25.8	19.9	43.8	1.5	1.0	15.8
3273	Ready-mixed concrete -----	E1	206	25	1.9	26.4	1.5	2.9	18.1	68.8	82.0	150.6	9.5	1.6	27.8
3275	Gypsum products-----	-	5	5	0.8	11.8	0.6	1.5	9.4	42.4	36.6	78.9	3.3	CC	(D)
329	Miscellaneous nonmetallic mineral products -----	-	12	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3291	Abrasive products -----	-	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
33	Primary metal industries -----	-	77	41	8.4	135.2	6.8	13.4	101.7	214.3	618.9	776.0	45.9	8.3	138.1
331	Blast furnace and basic steel products -----	-	10	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3312	Blast furnaces and steel mills -----	-	4	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3313	Electrometallurgical products -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3317	Steel pipe and tubes -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
332	Iron and steel foundries -----	-	27	20	3.1	40.3	2.5	4.7	31.6	68.2	68.4	134.9	15.7	2.8	46.2
3321	Gray iron foundries -----	-	20	13	1.6	20.7	1.3	2.4	15.2	36.6	41.7	77.5	(D)	1.7	28.7
3322	Malleable iron foundries -----	-	3	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3325	Steel foundries, n.e.c. -----	-	4	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
335	Nonferrous rolling and drawing -----	-	3	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3353	Aluminum sheet, plate, and foil -----	-	2	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
336	Nonferrous foundries-----	E1	31	9	1.3	14.5	1.0	1.9	10.3	24.4	22.4	46.5	2.1	1.3	13.3
3361	Aluminum foundries -----	E1	22	7	0.8	9.3	0.7	1.2	7.0	14.2	15.6	29.7	(D)	0.7	6.5
3369	Nonferrous foundries, n.e.c. -----	-	7	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
34	Fabricated metal products -----	-	293	118	20.7	256.1	14.8	28.0	159.5	600.0	487.0	1 060.0	29.8	18.4	301.7
341	Metal cans and shipping containers -----	-	6	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3411	Metal cans -----	-	4	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
342	Cutlery, hand tools, and hardware -----	E1	29	9	0.8	8.8	0.7	1.3	6.4	21.9	21.2	43.7	1.2	1.1	19.7
3423	Hand and edge tools, n.e.c. -----	E1	13	3	0.4	5.0	0.3	0.6	3.6	10.9	7.9	18.8	0.3	BB	(D)
3429	Hardware, n.e.c. -----	-	10	4	0.3	2.4	0.2	0.4	1.6	7.9	11.3	19.8	0.7	0.8	13.5
343	Plumbing and heating, except electric -----	-	12	4	1.1	12.1	0.9	1.8	9.2	33.5	37.0	69.0	(D)	CC	(D)
3432	Plumbing fittings and brass goods -----	-	3	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3433	Heating equipment, except electric -----	-	9	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
344	Fabricated structural metal products -----	-	117	52	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	5.8	92.4
3441	Fabricated structural metal --	-	30	16	1.4	17.0	1.0	1.9	10.3	35.9	64.3	90.2	3.2	1.9	24.1
3442	Metal doors, sash, and trim --	-	14	9	1.5	13.7	1.3	2.4	10.3	27.6	34.6	61.4	3.7	0.8	9.7
3443	Fabricated plate work (boiler shops) -----	E1	23	8	0.9	12.3	0.7	1.3	8.2	20.0	22.3	44.7	1.4	1.2	26.0
3444	Sheet metal work -----	-	26	10	1.0	10.0	0.8	1.4	6.6	29.7	33.4	63.3	1.3	1.6	27.9
3446	Architectural metal work -----	-	13	2	0.2	1.9	0.1	0.2	1.0	3.3	2.8	5.9	0.2	(NA)	(NA)
3448	Prefabricated metal buildings -----	-	9	6	0.7	8.3	0.5	0.9	5.0	19.6	29.1	48.2	0.8	(NA)	(NA)
3449	Miscellaneous metal work -----	-	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
345	Screw machine products, bolts, etc. -----	-	15	8	0.8	9.0	0.6	1.2	5.7	19.2	17.7	36.9	2.0	AA	(D)
3451	Screw machine products -----	-	12	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3452	Bolts, nuts, rivets, and washers -----	-	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
346	Metal forgings and stampings --	-	28	12	2.8	28.4	2.2	3.8	18.9	82.4	54.5	134.3	2.9	1.0	16.7
3462	Iron and steel forgings-----	E1	5	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3465	Automotive stampings -----	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3469	Metal stampings, n.e.c. -----	-	20	9	2.4	22.9	1.9	3.1	14.8	68.2	43.2	110.0	1.9	0.7	11.9

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
34	Fabricated metal products—Con.														
347	Metal services, n.e.c. -----	E1	27	5	0.3	3.5	0.3	0.6	2.8	6.2	2.3	8.6	0.3	0.2	3.0
3471	Plating and polishing -----	E1	21	4	0.2	2.5	0.2	0.5	2.1	4.2	1.7	5.9	0.3	0.2	2.3
348	Ordnance and accessories, n.e.c. -----	-	3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3483	Ammunition, except for small arms, n.e.c.-----	-	3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
349	Miscellaneous fabricated metal products -----	-	56	22	6.8	100.9	4.1	8.2	56.2	227.1	127.5	341.7	10.3	5.3	107.9
3494	Valves and pipe fittings -----	-	10	6	4.5	71.2	2.6	5.3	40.6	167.2	81.4	238.2	7.3	3.7	77.6
3496	Miscellaneous fabricated wire products -----	-	9	3	0.4	4.9	0.3	0.7	3.2	9.7	9.1	18.3	(D)	BB	(D)
3499	Fabricated metal products, n.e.c. -----	-	31	12	1.8	24.0	1.1	2.1	11.6	48.2	33.7	80.0	(D)	1.3	23.8
35	Machinery, except electrical -----	-	564	210	61.5	1 023.2	44.9	87.5	702.9	2 505.2	2 405.9	4 912.0	222.8	48.0	1 204.2
351	Engines and turbines -----	-	9	8	2.7	44.7	2.0	4.1	32.5	94.8	170.5	262.3	12.0	EE	(D)
3519	Internal combustion engines, n.e.c. -----	-	9	8	2.7	44.7	2.0	4.1	32.5	94.8	170.5	262.3	12.0	EE	(D)
352	Farm and garden machinery ---	-	149	74	25.6	428.6	19.3	37.2	304.5	1 230.9	1 031.4	2 259.9	101.5	23.7	643.4
3523	Farm machinery and equipment -----	-	148	73	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3524	Lawn and garden equipment -	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
353	Construction and related machinery -----	-	65	38	20.0	368.1	14.3	28.7	254.0	812.9	913.4	1 739.9	89.2	13.3	336.2
3531	Construction machinery -----	-	36	23	18.8	351.7	13.6	27.1	244.6	782.0	880.4	1 676.0	87.9	12.1	314.2
3535	Conveyors and conveying equipment -----	-	12	7	0.6	7.7	0.4	0.8	4.9	15.1	15.0	30.3	0.9	BB	(D)
3536	Hoists, cranes, and monorails -----	E1	3	3	0.3	3.7	0.2	0.3	1.8	8.3	8.2	16.4	0.2	AA	(D)
3537	Industrial trucks and tractors -	E5	7	3	0.3	3.6	0.2	0.4	1.9	5.1	8.1	13.3	(D)	0.3	4.6
354	Metalworking machinery -----	-	79	23	2.3	33.4	1.5	3.1	20.5	56.3	28.3	85.0	2.6	2.3	40.0
3541	Machine tools, metal cutting types -----	-	6	4	0.5	7.7	0.3	0.5	3.8	11.5	8.3	21.4	0.2	AA	(D)
3544	Special dies, tools, jigs, and fixtures -----	-	49	9	0.6	10.3	0.5	1.1	7.9	15.6	4.8	20.1	0.9	0.7	10.8
3545	Machine tool accessories -----	-	7	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3546	Power driven hand tools -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3549	Metalworking machinery, n.e.c. -----	-	12	4	0.4	4.8	0.2	0.4	2.3	11.8	6.3	17.9	(D)	0.7	13.3
355	Special industry machinery ---	-	39	15	2.4	37.5	1.5	2.8	20.7	83.7	59.4	147.2	2.8	2.2	51.7
3551	Food products machinery -----	-	12	5	1.2	19.4	0.7	1.2	9.1	40.3	17.2	59.7	1.4	1.0	26.2
3555	Printing trades machinery ---	-	5	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3559	Special industry machinery, n.e.c. -----	-	20	8	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
356	General industrial machinery ---	-	54	15	3.5	49.5	2.3	4.6	29.0	108.9	101.1	199.7	8.8	EE	(D)
3561	Pumps and pumping equipment -----	-	12	7	2.5	37.2	1.6	3.1	20.1	84.6	85.8	160.3	8.1	EE	(D)
3562	Ball and roller bearings -----	-	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3566	Speed changers, drives, and gears -----	-	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3568	Power transmission equipment, n.e.c. -----	-	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3569	General industrial machinery, n.e.c. -----	E2	20	3	0.2	2.5	0.1	0.2	1.3	4.3	3.3	7.3	0.2	(NA)	(NA)
357	Office and computing machines -----	-	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3573	Electronic computing equipment -----	-	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
358	Refrigeration and service machinery -----	-	29	15	2.7	32.1	1.9	3.3	20.0	69.3	67.9	137.8	1.4	2.1	36.8
3581	Automatic merchandising machines -----	-	5	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3582	Commercial laundry equipment -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3585	Refrigeration and heating equipment -----	-	7	6	1.4	18.1	1.0	1.6	11.1	40.5	41.3	83.8	0.8	EE	(D)
3586	Measuring and dispensing pumps -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3589	Service industry machinery, n.e.c. -----	-	15	5	0.4	3.9	0.2	0.4	1.7	10.2	8.4	18.6	0.4	AA	(D)
359	Miscellaneous machinery, except electrical -----	-	137	21	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.6	24.3
3599	Machinery, except electrical, n.e.c. -----	-	137	21	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.6	24.3

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]															
SIC code	Industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
36	Electric and electronic equipment -	-	95	44	23.6	291.7	16.1	31.4	177.7	736.6	608.2	1 344.6	33.4	20.0	405.3
361	Electric distributing equipment -	-	5	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3613	Switchgear and switchboard apparatus -	-	5	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
362	Electrical industrial apparatus -	-	9	4	0.7	6.2	0.5	0.9	4.7	16.5	15.0	33.3	(D)	0.6	9.6
3621	Motors and generators -	-	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3622	Industrial controls -	-	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
363	Household appliances -	-	11	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	6.2	186.8
3632	Household refrigerators and freezers -	-	1	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3633	Household laundry equipment -	-	4	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3634	Electric housewares and fans -	-	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
364	Electric lighting and wiring equipment -	-	6	4	0.2	2.7	0.2	0.4	2.0	15.7	7.9	22.6	1.0	0.2	2.1
365	Radio and TV receiving equipment -	-	12	3	0.7	6.3	0.6	0.9	3.9	14.2	16.5	31.7	0.2	BB	(D)
3651	Radio and TV receiving sets -	-	8	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
366	Communication equipment -	-	11	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3662	Radio and TV communication equipment -	-	10	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
367	Electronic components and accessories -	E1	30	11	3.1	26.3	2.7	5.1	21.2	49.4	39.3	87.7	0.5	3.6	49.6
3676	Electronic resistors -	-	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3677	Electronic coils and transformers -	-	5	5	1.8	13.9	1.7	2.9	12.2	20.3	26.1	46.2	0.2	CC	(D)
3679	Electronic components, n.e.c. -	E4	21	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
369	Miscellaneous electrical equipment and supplies -	-	11	7	1.5	19.7	1.3	2.6	16.0	63.7	49.3	111.8	5.4	CC	(D)
3691	Storage batteries -	-	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3692	Primary batteries, dry and wet -	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3694	Engine electrical equipment -	-	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
37	Transportation equipment -	-	102	38	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	7.4	157.4
371	Motor vehicles and equipment -	-	67	31	7.1	78.6	5.3	10.4	46.9	155.0	335.6	473.7	(D)	6.3	143.8
3713	Truck and bus bodies -	-	17	11	0.9	10.0	0.7	1.4	6.5	10.1	34.0	44.9	(D)	(NA)	(NA)
3714	Motor vehicle parts and accessories -	-	34	12	2.0	22.4	1.6	3.0	16.2	78.4	68.0	146.0	(D)	EE	(D)
3715	Truck trailers -	-	10	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3716	Motor homes produced on purchased chassis -	-	4	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
372	Aircraft and parts -	-	5	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3724	Aircraft engines and engine parts -	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
379	Miscellaneous transportation equipment -	-	22	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.6	5.6
3792	Travel trailers and campers -	E1	16	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	4.9
3799	Transportation equipment, n.e.c. -	-	6	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	0.7
38	Instruments and related products -	-	51	14	2.9	37.5	1.8	3.4	19.9	63.1	41.6	102.8	4.5	2.5	49.3
3811	Engineering and scientific instruments -	-	9	4	0.8	11.5	0.4	0.8	4.9	20.0	11.3	29.5	(D)	1.0	16.6
382	Measuring and controlling devices -	-	14	4	1.5	18.8	1.0	1.8	11.7	33.3	20.5	54.1	(D)	EE	(D)
3822	Environmental controls -	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3823	Process control instruments -	-	4	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3832	Optical instruments and lenses -	-	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
39	Miscellaneous manufacturing industries -	-	142	37	5.4	55.1	4.0	7.7	35.6	144.9	88.6	234.9	(D)	6.2	107.9
394	Toys and sporting goods -	-	36	13	1.9	19.0	1.4	2.6	12.0	61.2	35.7	96.9	(D)	2.3	41.8
3944	Games, toys, and children's vehicles -	-	6	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3949	Sporting and athletic goods, n.e.c. -	-	30	10	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
395	Pens, pencils, office and art supplies -	-	8	5	1.6	15.7	1.2	2.4	10.5	35.6	19.7	56.9	(D)	1.3	20.9
3951	Pens and mechanical pencils -	-	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)

See footnotes at end of table.

**Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.**

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B.

SIC code	Industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
39	Miscellaneous manufacturing industries—Con.														
396	Costume jewelry and notions --	-	8	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	6.6
3963	Buttons -----	-	5	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
399	Miscellaneous manufactures ---	-	80	13	1.5	17.6	1.1	2.1	11.0	43.3	30.0	73.2	(D)	2.1	37.7
3991	Brooms and brushes -----	-	7	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3993	Signs and advertising displays -----	-	41	5	0.7	8.4	0.4	0.8	4.6	23.9	19.5	43.0	(D)	CC	(D)
3999	Manufacturing industries, n.e.c. -----	E1	27	4	0.3	2.1	0.2	0.3	1.1	5.8	2.9	8.6	(D)	0.7	11.1
--	Administrative and auxiliary -----	-	62	30	4.8	90.8	-	-	-	-	-	-	-	(NA)	(NA)

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Statistics for some industry groups and industries are withheld to avoid disclosing figures for individual companies. However, for such industry groups and industries with 150 employees or more, number of establishments is shown and employment size range is indicated by one of the following symbols: AA—150 to 249 employees; BB—250 to 499 employees; CC—500 to 999 employees; EE—1,000 to 2,499 employees; FF—2,500 employees or more. Statistics for industry groups shown include data for all component industries, regardless of whether data are shown for individual industries in the group.

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SMSA's, see appendix A. For explanation of terms, see appendix B.]

SIC code	SMSA and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Cedar Rapids SMSA -----	-	225	80	28.1	404.5	16.7	32.7	220.8	933.2	1 456.0	2 399.3	62.6	22.2	471.4
20	Food and kindred products --	-	27	21	6.2	95.1	3.9	7.6	58.8	330.4	955.8	1 289.6	24.9	6.0	177.0
204	Grain mill products -----	-	10	8	2.9	44.6	1.7	3.4	24.4	217.3	358.9	571.1	10.1	(NA)	(NA)
2048	Prepared feeds, n.e.c. --	-	5	3	0.7	9.5	0.1	0.2	1.3	25.8	37.0	62.3	1.1	0.4	13.8
26	Paper and allied products ---	-	5	4	0.7	8.7	0.5	1.0	6.3	35.4	21.5	56.0	1.4	0.7	18.5
27	Printing and publishing -----	-	35	8	0.9	10.3	0.5	0.8	4.8	20.6	10.6	31.1	4.6	0.8	13.5
34	Fabricated metal products ---	-	20	6	1.8	25.1	1.0	2.0	12.4	53.9	35.4	86.1	1.3	1.6	34.3
353	Construction and related machinery -----	-	8	4	4.1	67.0	2.6	5.1	41.4	101.1	135.3	251.1	9.1	2.4	56.6
39	Miscellaneous manufacturing industries ---	-	11	3	0.5	5.7	0.3	0.5	2.5	12.6	7.2	19.6	0.3	(NA)	(NA)
	Davenport-Rock Island-Moline, Iowa-Ill., SMSA -----	-	460	174	47.7	823.3	33.5	63.3	523.8	1 615.4	2 719.5	4 286.8	167.1	41.7	852.2
20	Food and kindred products --	-	48	22	4.6	73.6	3.6	6.7	54.3	219.9	590.7	809.7	14.0	4.4	113.1
201	Meat products -----	-	9	7	2.7	44.9	2.3	4.1	35.9	71.5	433.9	506.1	(D)	2.6	36.9
205	Bakery products -----	-	10	3	0.4	6.1	0.3	0.5	3.5	20.0	13.7	33.7	0.5	0.4	10.8
2051	Bread, cake, and related products -----	-	10	3	0.4	6.1	0.3	0.5	3.5	20.0	13.7	33.7	0.5	0.4	10.8
23	Apparel and other textile products -----	-	8	4	0.6	5.0	0.5	0.9	3.9	6.8	3.4	10.4	(D)	0.7	7.4
24	Lumber and wood products --	E1	26	11	0.9	9.9	0.7	1.4	7.1	21.4	32.8	53.7	0.8	0.8	10.7
243	Millwork, plywood, and structural members -----	-	6	3	0.5	5.6	0.4	0.8	4.2	11.0	12.4	23.0	(D)	0.6	8.8

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Davenport-Rock Island-Moline, Iowa-Ill., SMSA—Con.														
27	Printing and publishing -----	-	62	13	1.7	18.3	0.9	1.6	8.8	36.6	21.2	57.6	1.8	1.5	23.4
2711	Newspapers -----	-	14	5	0.8	7.2	0.2	0.4	2.5	19.6	5.0	24.6	0.8	(NA)	(NA)
275	Commercial printing -----	-	40	5	0.7	8.9	0.6	0.9	4.9	13.2	10.4	23.5	0.9	0.6	9.1
28	Chemicals and allied products -----	-	11	5	0.5	8.2	0.4	0.7	4.9	33.3	48.4	80.3	2.0	0.3	7.6
32	Stone, clay, and glass products -----	-	23	7	0.7	10.8	0.6	1.1	7.7	25.3	26.7	51.7	2.3	0.6	13.7
3273	Ready-mixed concrete --	-	9	3	0.4	4.9	0.3	0.5	3.2	11.0	15.0	26.0	1.6	(NA)	(NA)
33	Primary metal industries -----	-	25	16	5.9	114.2	4.7	9.5	85.0	188.6	549.2	682.8	21.8	5.9	103.4
34	Fabricated metal products ---	-	54	18	2.3	27.1	1.8	3.3	18.5	45.6	39.5	84.8	2.4	2.2	37.5
344	Fabricated structural metal products -----	-	17	9	1.2	12.2	0.9	1.7	8.1	23.0	19.6	40.5	0.6	0.7	9.6
346	Metal forgings and stampings -----	-	10	3	0.3	4.5	0.2	0.4	3.0	5.9	6.9	13.7	(D)	(NA)	(NA)
35	Machinery, except electrical -	-	128	50	24.6	445.6	18.3	34.6	313.1	971.6	1 350.1	2 334.0	117.7	19.4	460.9
353	Construction and related machinery -----	-	13	11	5.2	96.8	3.7	7.1	64.2	160.9	281.1	435.9	58.2	3.5	65.9
356	General industrial machinery -----	-	20	5	1.0	13.9	0.6	1.3	7.8	30.3	18.0	47.4	(D)	0.7	14.1
36	Electric and electronic equipment -----	-	11	5	0.4	3.5	0.3	0.4	2.4	7.1	6.6	13.2	0.6	(NA)	(NA)
	Des Moines SMSA -----	-	465	135	25.4	385.4	16.1	31.2	221.2	887.1	1 447.6	2 346.6	54.7	26.9	569.8
20	Food and kindred products --	-	52	26	3.0	41.1	1.7	3.4	21.4	122.4	675.2	806.7	7.2	3.1	67.1
202	Dairy products -----	-	5	4	0.7	9.3	0.2	0.4	2.4	18.0	78.8	96.7	(D)	0.8	16.6
204	Grain mill products -----	-	14	5	0.4	4.7	0.2	0.4	2.8	20.6	66.4	86.9	(D)	0.4	9.3
209	Miscellaneous foods and kindred products -----	-	6	3	0.3	3.3	0.1	0.3	1.2	9.8	9.4	19.0	(D)	(NA)	(NA)
25	Furniture and fixtures -----	-	10	4	0.3	3.3	0.2	0.4	1.5	8.3	13.1	21.1	(D)	(NA)	(NA)
26	Paper and allied products ---	-	14	7	1.0	10.8	0.8	1.5	7.4	20.5	45.3	65.1	1.1	0.9	20.3
27	Printing and publishing -----	-	130	23	5.3	73.1	2.8	5.6	37.4	187.4	189.2	377.0	14.2	5.4	99.0
32	Stone, clay, and glass products -----	-	35	12	0.8	12.1	0.7	1.3	9.6	33.1	28.7	62.5	2.2	0.9	19.1
352	Farm and garden machinery -----	-	7	5	4.1	75.3	3.2	6.0	55.2	203.7	208.9	426.5	(D)	(NA)	(NA)
353	Construction and related machinery -----	-	6	3	0.4	6.2	0.3	0.6	4.3	11.0	9.0	19.9	0.5	0.4	5.4
358	Refrigeration and service machinery -----	-	9	3	0.4	4.6	0.3	0.6	2.6	8.8	11.3	19.0	0.3	(NA)	(NA)
-	Administrative and auxiliary --	-	9	4	2.0	40.8	-	-	-	-	-	-	-	(NA)	(NA)
	Dubuque SMSA -----	-	122	49	15.3	273.1	11.0	22.4	192.3	577.1	909.5	1 483.0	32.1	15.0	348.8
24	Lumber and wood products --	E1	15	4	0.3	2.4	0.2	0.3	1.4	5.5	4.4	9.7	0.2	1.1	12.4
27	Printing and publishing -----	-	21	8	0.8	8.5	0.4	0.7	3.6	28.1	13.0	39.7	(D)	0.5	11.9
34	Fabricated metal products ---	-	11	8	0.9	10.3	0.6	1.2	6.7	21.3	21.4	42.0	1.6	1.0	15.2
	Omaha, Nebr.-Iowa, SMSA ---	-	680	243	34.7	457.3	24.7	48.0	288.3	1 217.4	2 616.1	3 835.0	82.6	38.0	846.3
20	Food and kindred products --	-	98	60	8.7	118.3	6.5	13.5	83.3	407.6	1 578.0	1 977.0	27.0	10.7	299.7
201	Meat products -----	-	31	25	3.8	53.1	3.2	6.7	42.0	117.3	1 146.3	1 256.9	13.4	5.2	123.5
2011	Meat packing plants -----	-	21	19	2.7	38.0	2.3	4.7	30.3	89.5	1 051.2	1 135.3	10.5	3.8	89.5
2013	Sausages and other prepared meats -----	-	10	6	1.2	15.1	1.0	2.1	11.7	27.8	95.1	121.6	2.8	(NA)	(NA)
204	Grain mill products -----	-	18	8	1.4	24.1	1.2	2.5	18.9	140.1	158.7	296.7	7.6	1.3	72.0
205	Bakery products -----	-	9	8	1.0	12.9	0.5	1.1	6.7	30.9	22.0	52.9	1.0	1.0	17.0
208	Beverages -----	-	8	6	0.5	7.7	0.3	0.5	3.3	27.5	25.6	53.1	1.6	0.6	16.1
209	Miscellaneous foods and kindred products -----	-	13	5	0.7	8.2	0.4	0.9	3.6	44.3	99.1	143.5	1.0	0.7	31.4
24	Lumber and wood products --	E1	23	6	0.5	4.6	0.4	0.8	3.5	9.3	8.2	17.7	0.9	(NA)	(NA)
25	Furniture and fixtures -----	-	21	11	1.7	18.0	1.3	2.3	10.9	38.3	48.7	86.9	0.7	2.0	31.2
2512	Upholstered household furniture -----	-	5	4	0.6	6.1	0.5	0.8	3.9	11.0	9.2	20.4	(D)	(NA)	(NA)
26	Paper and allied products ---	E2	13	9	0.9	10.5	0.7	1.4	7.1	20.9	33.1	53.8	4.4	0.9	14.7
264	Miscellaneous converted paper products -----	-	8	4	0.4	4.4	0.3	0.6	3.2	8.5	11.6	20.0	2.2	0.4	6.1
265	Paperboard containers and boxes -----	E3	5	5	0.5	6.1	0.4	0.8	4.0	12.4	21.6	33.8	2.2	0.5	8.6
27	Printing and publishing -----	-	143	32	3.2	36.9	2.0	3.8	20.6	77.4	54.6	131.7	3.4	2.9	48.9
275	Commercial printing -----	E1	91	19	1.6	18.4	1.2	2.3	12.3	36.9	30.7	67.3	2.6	1.2	19.0
2751	Commercial printing, letterpress -----	-	44	5	0.6	7.4	0.5	0.9	4.6	14.2	11.8	25.9	(D)	(NA)	(NA)
2752	Commercial printing, lithographic -----	E1	44	13	0.8	10.3	0.7	1.3	7.1	21.8	18.3	39.8	2.1	0.6	11.2

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Omaha, Nebr.-Iowa, SMSA—Con.														
28	Chemicals and allied products -----	-	35	13	1.3	17.5	0.9	1.6	9.4	153.5	129.2	280.7	11.1	1.1	49.7
283	Drugs -----	-	12	6	0.3	4.3	0.2	0.4	2.1	38.0	23.6	61.2	0.9	0.3	16.5
284	Soaps, cleaners, and toilet goods-----	-	5	2	0.3	3.6	0.2	0.4	2.3	11.4	12.8	24.0	(D)	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	E3	18	6	0.6	6.0	0.5	0.9	4.0	13.5	12.0	25.3	1.2	0.6	8.7
32	Stone, clay, and glass products -----	-	46	15	0.7	9.4	0.4	0.9	4.7	18.7	26.2	44.7	2.7	1.0	21.4
33	Primary metal industries ----	-	12	7	2.2	36.9	1.7	3.6	27.5	80.8	336.6	431.1	10.3	2.5	93.7
34	Fabricated metal products ---	-	58	18	1.9	27.3	1.5	3.0	17.8	58.1	81.4	136.6	1.9	2.0	31.1
3441	Fabricated structural metal -----	-	6	5	0.3	5.1	0.2	0.4	2.5	7.7	15.6	21.4	(D)	0.4	8.7
3442	Metal doors, sash, and trim -----	E1	7	3	0.3	3.5	0.2	0.4	1.6	6.6	7.0	13.5	0.2	(NA)	(NA)
35	Machinery, except electrical -	-	73	18	4.3	60.0	2.8	5.3	33.7	124.7	107.4	235.6	9.8	4.1	95.5
352	Farm and garden machinery -----	-	17	6	1.9	26.6	1.2	2.3	13.4	61.5	62.0	127.1	(D)	(NA)	(NA)
36	Electric and electronic equipment -----	-	21	9	4.0	56.2	3.3	6.0	42.4	142.0	94.1	235.7	(D)	(NA)	(NA)
38	Instruments and related products -----	-	14	5	0.4	4.7	0.3	0.6	3.1	13.4	26.5	39.1	(D)	(NA)	(NA)
39	Miscellaneous manufacturing industries ---	-	36	7	1.0	8.6	0.8	1.5	5.4	17.3	14.5	31.4	0.9	1.2	16.1
399	Miscellaneous manufactures -----	-	24	5	0.8	6.9	0.6	1.2	4.3	14.4	12.4	26.6	0.8	(NA)	(NA)
3999	Manufacturing industries, n.e.c. -----	-	7	2	0.5	4.6	0.3	0.7	2.8	10.3	9.1	19.2	(D)	(NA)	(NA)
--	Administrative and auxiliary --	-	26	12	1.4	22.3	-	-	-	-	-	-	-	(NA)	(NA)
	Sioux City, Iowa-Nebr., SMSA -----	-	165	62	9.6	123.7	6.5	12.8	71.2	285.4	1 216.0	1 496.1	38.0	10.5	196.2
20	Food and kindred products --	-	47	28	3.8	51.4	2.6	5.6	34.5	135.6	991.9	1 136.3	21.1	4.8	112.1
201	Meat products -----	-	15	10	2.4	33.9	1.9	4.0	26.4	64.1	636.9	705.4	16.9	3.4	76.8
204	Grain mill products -----	-	14	6	0.3	4.0	0.2	0.3	1.9	15.9	66.6	82.5	0.5	0.3	8.8
2048	Prepared feeds, n.e.c. --	-	14	6	0.3	4.0	0.2	0.3	1.9	15.9	66.6	82.5	0.5	0.3	8.8
27	Printing and publishing -----	E1	24	2	0.3	3.2	0.1	0.2	1.3	9.4	2.9	12.4	0.5	0.4	6.5
28	Chemicals and allied products -----	-	9	4	0.4	7.4	0.2	0.5	3.4	40.3	97.1	138.3	12.8	0.3	15.5
34	Fabricated metal products ---	-	12	4	0.3	4.4	0.2	0.5	2.5	16.1	19.6	26.9	0.3	(NA)	(NA)
35	Machinery, except electrical -	-	24	10	1.3	16.6	0.9	1.6	10.1	32.2	33.3	64.1	1.2	1.5	22.0
	Waterloo-Cedar Falls SMSA --	-	177	58	20.6	342.0	15.5	29.9	245.1	929.2	952.4	1 870.1	(D)	19.5	436.7
27	Printing and publishing -----	-	37	7	0.8	9.5	0.4	0.7	4.3	17.2	8.5	25.5	0.7	0.8	10.0
32	Stone, clay, and glass products -----	-	17	6	0.4	4.7	0.3	0.5	3.1	9.7	12.4	21.8	1.2	0.4	4.7

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (S) Withheld because estimate did not meet publication standards.
 (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹ Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
² Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies.
For explanation of terms, see appendix B]

Includes counties with 450 employees or more and industry groups and industries with 100 employees or more. For explanation of terms, see appendix B)															
SIC code	County and industry	1977											1972		
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Allamakee County -----	-	29	6	1.0	8.8	0.9	1.7	6.8	26.4	87.4	112.8	1.3	1.0	16.0
	Appanoose County -----	-	21	7	0.9	8.4	0.6	1.3	6.3	28.6	24.3	54.2	(D)	1.1	19.8
	Benton County -----	-	24	6	0.6	6.9	0.4	0.8	4.4	12.0	28.5	41.2	0.5	0.5	6.4
	Black Hawk County (Coextensive with Waterloo-Cedar Falls, Iowa, SMSA; see table 6.)														
	Boone County -----	-	31	10	0.8	9.8	0.6	1.2	6.4	21.7	19.8	41.2	1.7	0.8	10.6
	Bremer County -----	-	41	13	1.2	16.4	1.0	2.0	12.6	72.5	84.2	158.7	1.0	(D)	(D)
	Buchanan County -----	-	25	6	0.5	5.3	0.4	0.8	4.2	12.5	48.1	60.6	(D)	0.3	6.1
	Buena Vista County -----	-	36	10	1.2	14.6	1.0	1.8	11.3	26.8	168.8	194.3	1.1	(D)	(D)
	Carroll County -----	-	25	8	1.0	13.3	0.7	1.4	7.4	22.5	47.9	69.2	1.0	0.3	5.1
	Cass County -----	-	26	11	0.6	6.2	0.4	0.7	3.6	20.2	32.6	52.3	1.4	0.3	5.8
	Cedar County -----	-	26	6	0.5	5.4	0.4	0.7	3.5	15.3	29.7	44.9	1.3	0.2	5.1
	Cerro Gordo County -----	-	63	26	2.5	31.4	1.9	3.8	21.7	79.9	163.5	242.2	19.3	3.6	72.8
20	Food and kindred products --	-	13	7	0.5	6.2	0.3	0.8	4.0	15.7	107.7	123.1	(D)	2.0	35.3
32	Stone, clay, and glass products -----	-	10	6	0.9	13.7	0.7	1.5	11.2	41.7	32.3	73.7	(D)	0.7	26.8
	Chickasaw County -----	-	16	5	1.1	13.0	0.9	1.7	9.4	44.3	126.0	168.7	1.5	0.8	19.8
20	Food and kindred products --	-	7	3	0.8	9.9	0.7	1.3	7.7	38.1	120.6	158.0	1.0	0.5	16.6
	Clarke County -----	-	12	6	0.5	4.2	0.4	0.7	3.1	13.5	16.1	29.6	0.4	0.2	2.2
	Clay County -----	-	38	13	1.8	23.4	1.4	2.9	16.4	38.0	285.1	322.8	3.4	0.9	18.7
	Clayton County -----	-	36	10	0.9	7.9	0.8	1.4	5.9	17.3	41.3	59.0	1.1	0.4	4.4
	Clinton County -----	-	60	32	7.1	97.1	5.4	10.6	68.4	363.1	439.7	809.1	23.2	6.6	171.5
34	Fabricated metal products ---	-	7	3	0.8	7.6	0.6	1.2	5.8	15.8	22.5	38.4	(D)	(NA)	(NA)
	Dallas County -----	-	30	12	1.4	19.4	1.2	2.1	15.0	25.5	120.6	146.1	3.2	(D)	(D)
	Delaware County -----	-	28	8	0.7	7.3	0.5	1.1	5.1	26.4	46.7	73.6	1.0	0.5	7.6
	Des Moines County -----	-	63	30	7.5	103.0	5.5	10.7	69.4	319.6	234.0	553.2	11.2	9.2	186.3
25	Furniture and fixtures -----	-	5	4	0.5	4.7	0.5	0.9	3.5	12.4	9.0	20.8	0.2	(NA)	(NA)
36	Electric and electronic equipment -----	-	7	6	1.9	27.6	1.5	2.9	19.4	61.2	48.6	110.1	(D)	2.2	43.8
	Dickinson County -----	-	19	5	1.3	12.3	1.1	1.4	7.9	29.9	19.0	46.8	0.9	1.0	16.4
	Dubuque County (Coextensive with Dubuque, Iowa, SMSA; see table 6.)														
	Fayette County -----	-	42	11	0.9	10.3	0.7	1.4	6.6	29.2	57.5	87.5	2.4	0.8	16.4
	Franklin County -----	-	23	7	0.9	11.8	0.7	1.4	8.8	19.2	29.5	47.9	3.9	0.3	6.3
35	Machinery, except electrical --	-	6	4	0.5	6.7	0.4	0.7	5.1	8.8	11.6	20.1	1.0	(NA)	(NA)
	Greene County -----	-	15	7	0.6	6.7	0.4	0.9	4.4	13.0	12.3	25.4	0.9	0.8	6.2
	Grundy County -----	-	20	7	0.6	6.5	0.4	0.9	4.0	12.2	22.5	34.5	0.6	0.7	10.6
	Hamilton County -----	-	42	14	1.2	11.1	0.9	1.7	7.6	25.5	54.0	78.9	2.3	1.7	26.2
	Hardin County -----	-	38	15	1.1	10.5	0.9	1.7	7.4	31.8	141.4	173.1	3.3	0.9	12.6
	Henry County -----	-	24	8	1.5	14.9	1.2	2.5	11.4	63.1	46.5	108.2	1.9	0.7	13.7
	Jackson County -----	-	31	10	1.0	9.0	0.8	1.6	7.0	17.0	50.9	68.9	0.9	0.7	10.0
	Jasper County -----	-	42	15	4.6	67.2	2.8	5.2	37.5	209.6	151.9	371.4	(D)	4.8	161.6
	Jefferson County -----	-	27	13	1.8	21.1	1.4	2.6	14.3	44.7	41.5	86.6	1.8	1.3	18.7
35	Machinery, except electrical --	-	9	4	0.8	10.0	0.6	1.1	6.3	21.9	19.1	41.2	(D)	(NA)	(NA)
	Johnson County -----	-	63	18	2.7	35.0	2.1	4.2	23.5	273.9	191.7	462.5	5.8	2.1	140.3
27	Printing and publishing -----	-	19	6	0.5	6.2	0.4	0.8	3.8	22.6	10.3	32.7	0.2	(NA)	(NA)
	Jones County -----	-	41	11	0.9	9.6	0.7	1.3	6.1	28.9	38.1	67.3	1.5	0.7	8.8
	Kossuth County -----	-	28	6	1.1	14.8	0.9	1.7	9.6	45.6	55.3	100.2	1.3	0.7	13.3

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
33	Lee County -----	-	72	31	7.6	100.0	5.8	11.6	69.8	320.5	461.6	776.4	55.5	6.2	132.0
	Primary metal industries -----	-	6	4	0.8	10.6	0.7	1.3	8.7	21.0	22.2	39.9	(D)	(NA)	(NA)
	Linn County (Coextensive with Cedar Rapids, Iowa, SMSA; see table 6.)	-													
20	Mahaska County -----	-	29	13	1.3	13.2	0.8	1.5	7.4	27.8	46.3	73.9	1.0	1.4	22.9
	Marion County -----	-	28	8	3.1	42.2	2.6	5.0	32.0	94.8	118.0	210.6	12.9	1.8	24.7
	Marshall County -----	-	56	22	7.0	109.5	4.1	7.7	58.6	220.3	216.2	432.6	8.7	5.8	118.4
20	Food and kindred products --	-	10	4	0.5	7.4	0.3	0.6	4.5	13.9	99.8	113.3	0.9	0.6	16.0
	Montgomery County -----	-	14	6	1.1	12.1	0.8	1.7	8.9	41.7	24.9	66.8	2.2	0.8	22.4
	Muscatine County -----	-	85	43	7.9	103.5	5.6	10.8	62.3	480.8	485.6	965.9	33.8	5.7	224.0
20	Food and kindred products --	-	14	6	2.7	33.0	2.0	3.8	19.2	101.9	223.2	327.0	(D)	2.1	53.0
30	Rubber and miscellaneous plastics products -----	-	5	4	0.8	9.4	0.6	1.1	6.4	23.6	28.4	51.7	(D)	(NA)	(NA)
35	Machinery, except electrical --	E2	12	7	0.7	9.6	0.5	1.0	6.3	18.1	17.9	35.0	(D)	(NA)	(NA)
35	O'Brien County -----	-	33	7	0.6	6.4	0.4	0.8	4.3	14.5	131.0	146.7	1.1	(D)	(D)
	Page County -----	-	22	9	1.4	16.1	1.1	2.1	11.1	63.3	47.7	110.2	1.0	0.8	14.8
	Plymouth County -----	-	30	9	0.6	7.7	0.5	1.0	5.3	17.9	112.2	128.8	0.7	0.6	9.6
20	Polk County -----	-	438	130	25.1	381.7	15.9	30.8	218.8	876.9	1 439.8	2 328.7	53.9	26.5	564.9
	Food and kindred products --	-	52	26	3.0	41.1	1.7	3.4	21.4	122.4	675.2	806.7	7.2	(NA)	(NA)
	Dairy products -----	-	5	4	0.7	9.3	0.2	0.4	2.4	18.0	78.8	96.7	(D)	0.8	16.6
26	Paper and allied products ---	-	14	7	1.0	10.8	0.8	1.5	7.4	20.5	45.3	65.1	1.1	0.9	20.3
27	Printing and publishing -----	-	126	22	5.2	72.8	2.8	5.6	37.3	187.0	189.2	376.4	(D)	(NA)	(NA)
32	Stone, clay, and glass products -----	-	32	11	0.8	11.5	0.6	1.3	9.2	31.9	27.9	60.4	2.1	(NA)	(NA)
--	Administrative and auxiliary --	-	8	4	2.0	40.6	-	-	-	-	-	-	-	(NA)	(NA)
20	Poweshiek County -----	-	28	15	1.5	16.1	1.2	2.3	11.6	42.2	48.8	89.4	2.7	1.1	22.3
	Sac County -----	-	24	5	0.6	6.7	0.5	0.8	4.5	12.5	21.2	38.1	0.5	0.4	5.8
	Scott County -----	-	187	69	17.3	291.6	12.6	23.7	198.5	567.6	1 094.4	1 604.3	92.5	15.2	307.3
20	Food and kindred products --	-	14	8	3.1	52.9	2.5	4.5	40.8	158.9	257.3	415.7	11.5	3.2	85.6
27	Printing and publishing -----	-	30	6	0.7	8.6	0.3	0.6	3.7	20.2	10.9	30.9	0.5	0.7	12.6
332	Iron and steel foundries ---	-	3	3	0.8	11.8	0.7	1.2	8.9	16.0	16.3	32.3	(D)	0.9	11.0
35	Machinery, except electrical --	-	48	17	5.9	103.8	4.2	7.9	67.7	183.6	246.3	428.5	57.4	3.9	71.6
20	Sioux County -----	-	54	17	1.8	19.5	1.5	3.0	13.9	54.2	165.3	218.9	2.9	1.4	25.0
	Story County -----	-	64	18	3.3	42.0	2.3	4.6	24.7	119.0	153.9	263.0	7.8	1.6	39.2
	Tama County -----	-	23	5	0.5	6.1	0.4	0.8	4.2	14.5	71.7	86.4	2.0	(D)	(D)
20	Wapello County -----	-	39	17	3.7	61.9	2.6	4.8	40.8	133.6	234.9	366.8	6.8	5.1	86.4
	Food and kindred products --	-	13	6	1.0	12.9	0.6	1.0	5.9	31.0	134.1	161.9	2.3	(NA)	(NA)
	Washington County -----	-	31	9	1.4	15.7	1.0	2.0	9.5	32.1	74.4	109.9	3.4	0.9	16.8
20	Webster County -----	-	64	26	3.7	53.1	2.8	5.9	39.1	150.3	442.8	587.6	6.9	3.8	82.3
	Food and kindred products --	-	12	7	1.4	24.6	1.1	2.1	19.8	53.2	365.8	418.0	2.3	(NA)	(NA)
	Stone, clay, and glass products -----	-	10	5	0.8	12.3	0.7	1.5	9.7	39.8	34.8	74.3	3.1	0.9	23.9
32	Winneshiek County -----	-	18	7	0.6	5.8	0.5	1.0	4.3	14.6	23.0	37.6	1.4	0.4	7.0
	Wright County -----	-	28	9	0.8	8.5	0.4	0.9	4.4	32.2	198.9	232.1	5.5	0.6	16.4

Note: "County" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

Explanation of terms, see appendix B															
SIC code	City and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Algona -----	-	17	4	0.9	8.6	0.7	1.3	6.4	33.7	24.3	57.2	(D)	0.5	11.4
	Ames -----	-	42	13	2.8	35.6	1.9	3.9	21.1	105.4	140.7	238.1	7.4	1.3	21.7
	Atlantic -----	-	20	10	0.6	5.8	0.4	0.7	3.4	19.6	31.8	51.0	1.3	(NA)	(NA)
	Boone -----	-	23	10	0.8	9.5	0.6	1.1	6.2	20.8	19.2	39.9	1.7	0.5	6.3
	Burlington -----	-	51	27	5.8	82.1	4.4	8.6	56.7	274.4	220.8	494.8	(D)	8.9	176.4
25	Furniture and fixtures -----	-	5	4	0.5	4.7	0.5	0.9	3.5	12.4	9.0	20.8	0.2	(NA)	(NA)
	Carroll -----	-	12	6	0.9	12.2	0.6	1.3	6.6	18.0	38.5	55.5	0.8	(NA)	(NA)
	Cedar Falls -----	-	55	16	1.9	23.9	1.2	2.4	15.9	46.2	31.0	76.0	2.8	1.5	23.1
	Cedar Rapids -----	-	166	74	27.6	398.9	16.4	32.1	217.8	922.2	1 440.1	2 372.8	61.7	21.9	467.1
26	Paper and allied products ---	-	5	4	0.7	8.7	0.5	1.0	6.3	35.4	21.5	56.0	1.4	0.7	18.5
27	Printing and publishing -----	-	28	8	0.8	9.7	0.5	0.8	4.6	19.7	9.8	29.4	4.6	(NA)	(NA)
3531	Construction machinery ---	-	4	4	4.1	66.6	2.6	5.1	41.2	100.4	134.7	249.8	9.1	(NA)	(NA)
	Council Bluffs -----	-	61	21	3.2	32.3	2.5	4.9	22.0	71.8	310.8	381.2	5.1	(D)	(D)
	Decorah -----	-	9	6	0.5	4.9	0.4	0.9	3.7	13.2	19.8	32.9	1.2	(NA)	(NA)
	Des Moines -----	-	298	89	16.2	235.6	9.1	17.9	113.5	497.9	1 011.2	1 523.7	32.5	17.7	319.7
20	Food and kindred products --	-	30	17	1.9	26.3	1.0	1.9	11.9	84.4	494.6	588.8	4.8	2.5	53.2
202	Dairy products -----	-	5	4	0.7	9.3	0.2	0.4	2.4	18.0	78.8	96.7	(D)	(NA)	(NA)
26	Paper and allied products ---	-	11	6	0.9	9.4	0.7	1.4	6.5	18.0	42.4	59.7	0.8	0.9	20.3
264	Miscellaneous converted paper products -----	-	8	5	0.8	8.8	0.7	1.3	6.1	16.4	39.3	54.9	0.5	(NA)	(NA)
27	Printing and publishing -----	-	104	19	5.0	70.0	2.6	5.3	35.5	181.3	184.9	366.5	13.9	5.2	95.4
34	Fabricated metal products ---	-	24	9	0.9	11.0	0.6	1.3	6.6	18.0	30.9	48.5	0.7	1.4	17.2
35	Machinery, except electrical --	-	28	9	2.4	35.8	1.8	3.5	23.9	84.1	125.8	218.3	8.2	(NA)	(NA)
	Dubuque -----	-	97	43	14.4	264.8	10.3	21.1	187.1	558.8	894.4	1 449.9	30.6	14.2	337.9
34	Fabricated metal products ---	-	11	8	0.9	10.3	0.6	1.2	6.7	21.3	21.4	42.0	1.6	(NA)	(NA)
	Eldora -----	-	13	6	0.5	4.1	0.4	0.9	2.9	9.8	11.0	21.6	0.8	(NA)	(NA)
	Fort Dodge -----	-	54	23	3.5	49.9	2.7	5.6	37.1	134.9	426.1	556.8	5.9	(D)	(D)
20	Food and kindred products --	-	11	7	1.4	24.6	1.1	2.1	19.8	54.4	365.8	418.0	2.3	(NA)	(NA)
	Fort Madison -----	-	29	14	4.0	49.0	3.0	5.8	33.6	203.6	318.4	521.6	13.0	2.9	80.5
	Grinnell -----	-	16	10	1.2	12.8	0.9	1.7	8.9	34.6	41.1	74.3	1.7	0.9	20.4
	Hampton -----	-	12	4	0.5	7.4	0.4	0.8	6.1	9.3	15.6	24.4	(D)	(NA)	(NA)
	Iowa City -----	-	44	14	2.5	33.0	1.9	3.9	22.0	267.0	179.5	443.4	5.4	2.0	136.8
27	Printing and publishing -----	-	15	5	0.5	5.8	0.4	0.7	3.4	21.7	9.9	31.4	(D)	(NA)	(NA)
	Manchester -----	-	11	5	0.5	5.0	0.4	0.8	3.5	17.5	19.9	37.6	0.6	(NA)	(NA)
	Marshalltown -----	-	47	20	6.8	108.4	4.1	7.5	57.9	217.8	208.2	422.2	(D)	5.7	116.5
	Mason City -----	-	51	22	2.1	26.7	1.6	3.3	18.8	70.5	145.6	215.2	18.5	3.1	64.5
	Monticello -----	-	23	9	0.7	7.6	0.5	0.9	4.3	18.8	21.5	40.6	1.4	0.6	6.7
	Mount Pleasant -----	-	17	7	1.5	14.6	1.2	2.5	11.2	62.2	45.7	106.4	(D)	(D)	(D)
	Muscatine -----	-	55	31	5.3	71.6	3.6	7.0	40.1	179.6	250.7	431.0	(D)	4.1	93.3
	Oelwein -----	-	17	8	0.6	7.5	0.4	0.8	4.4	21.3	16.6	37.4	1.0	0.5	10.6
	Sioux City -----	-	126	48	7.3	89.2	5.5	10.5	59.7	222.9	681.0	892.6	27.0	7.7	143.1
20	Food and kindred products --	-	37	23	3.1	41.6	2.2	4.3	28.3	119.9	548.0	671.4	19.6	(NA)	(NA)
2011	Meat packing plants -----	-	9	6	1.2	18.6	1.1	2.1	16.3	34.3	284.1	318.2	(D)	(NA)	(NA)
35	Machinery, except electrical --	-	17	8	1.1	15.4	0.7	1.4	9.0	27.3	29.2	55.4	1.0	(NA)	(NA)
	Spencer -----	-	32	12	1.8	23.0	1.3	2.8	16.2	37.2	284.5	321.4	(D)	(D)	(D)
	Spirit Lake -----	-	9	4	1.2	10.8	0.9	1.2	6.8	26.2	16.4	40.6	(D)	(D)	(D)
	Storm Lake -----	-	19	7	1.1	13.3	0.9	1.6	10.5	24.3	165.4	188.4	1.0	(D)	(D)
	Vinton -----	-	14	4	0.5	5.3	0.3	0.6	3.6	8.7	24.2	33.1	0.4	(NA)	(NA)
	West Des Moines -----	-	41	12	1.1	15.2	0.7	1.4	8.5	36.5	32.8	68.6	1.7	1.1	19.9

Note: "City" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977

(Major groups descriptions are: 20--food and kindred products; 21--textile mill products; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
IOWA	3783	591	-	9	78	174	65	56	775	135	15	110	17	372	77	293	564	95	102	51	142	62
1 TO 4 EMPLOYEES	1490	176	-	1	27	71	26	9	441	54	5	30	5	159	18	84	202	30	37	29	74	12
5 TO 9 EMPLOYEES	518	70	-	1	10	34	11	4	97	22	4	17	-	74	9	37	70	12	13	4	20	10
10 TO 19 EMPLOYEES	530	87	-	1	8	29	5	6	101	20	1	14	3	62	9	54	82	9	14	4	11	10
20 TO 49 EMPLOYEES	517	99	-	2	8	19	8	10	84	14	4	16	3	49	12	45	81	9	10	7	19	18
50 TO 99 EMPLOYEES	293	69	-	2	5	14	8	11	30	11	1	16	2	13	10	27	41	7	12	1	8	5
100 TO 249 EMPLOYEES	261	49	-	2	18	4	4	11	15	8	-	10	4	12	12	30	48	16	10	1	4	3
250 TO 499 EMPLOYEES	91	19	-	1	1	2	1	1	4	5	-	1	-	3	5	10	20	3	4	3	4	2
500 TO 999 EMPLOYEES	48	16	-	1	1	1	2	1	1	1	-	2	-	-	1	3	9	5	1	2	1	1
1000 TO 2499 EMPLOYEES	25	5	-	-	-	-	-	-	2	-	-	3	-	-	-	2	9	1	-	-	-	-
2500 EMPLOYEES AND OVER	10	1	-	-	-	-	-	-	-	-	-	1	-	-	1	1	2	3	1	-	-	-
ADAIR COUNTY	13	1	-	-	1	1	-	-	4	-	-	-	-	3	-	1	2	-	-	-	-	-
1 TO 19 EMPLOYEES	12	1	-	-	1	1	-	-	4	-	-	-	-	2	-	1	2	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
ADAMS COUNTY	5	1	-	-	-	-	-	-	1	-	-	-	-	1	-	1	-	-	-	-	-	1
1 TO 19 EMPLOYEES	5	1	-	-	-	-	-	-	1	-	-	-	-	1	-	1	-	-	-	-	-	1
ALLAMAKEE COUNTY	29	8	-	-	-	3	-	-	5	3	-	1	-	1	2	3	1	1	1	-	-	-
1 TO 19 EMPLOYEES	23	5	-	-	-	3	-	-	5	3	-	-	-	1	2	1	1	1	1	-	-	-
20 TO 99 EMPLOYEES	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	4	2	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
APPANOOSE COUNTY	21	3	-	-	-	1	-	-	3	-	-	1	-	-	2	5	2	1	1	1	1	1
1 TO 19 EMPLOYEES	14	2	-	-	-	1	-	-	2	-	-	-	-	-	1	3	2	-	1	1	1	1
20 TO 99 EMPLOYEES	4	1	-	-	-	-	-	-	1	-	-	-	-	-	1	1	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
AUDUBON COUNTY	8	2	-	-	-	1	-	-	2	-	-	-	-	2	-	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES	7	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BENTON COUNTY	24	4	-	-	-	2	-	-	4	1	-	1	-	4	-	2	3	-	3	-	-	-
1 TO 19 EMPLOYEES	18	3	-	-	-	2	-	-	-	1	-	-	-	-	-	2	2	-	1	-	-	-
20 TO 99 EMPLOYEES	4	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	1	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BLACK HAWK COUNTY	177	21	-	1	3	6	4	2	37	3	2	2	2	-	17	6	17	36	1	5	2	10
1 TO 19 EMPLOYEES	119	13	-	-	2	5	4	2	30	3	3	1	1	11	3	14	19	1	1	2	6	2
20 TO 99 EMPLOYEES	38	4	-	1	1	1	1	2	5	1	1	1	-	5	1	1	9	-	3	-	4	-
100 TO 249 EMPLOYEES	11	3	-	-	1	-	-	-	1	-	-	-	-	1	2	2	5	-	-	-	-	-
250 EMPLOYEES AND OVER	9	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
BOONE COUNTY	31	3	-	-	-	1	-	1	7	4	-	1	1	4	-	2	5	1	-	-	-	-
1 TO 19 EMPLOYEES	21	2	-	-	-	1	-	1	5	4	-	-	-	3	-	1	1	1	-	-	-	-
20 TO 99 EMPLOYEES	8	1	-	-	-	-	-	1	2	-	-	-	-	1	-	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BREMER COUNTY	41	7	-	-	1	1	2	-	8	-	-	1	1	5	1	5	7	-	2	-	-	1
1 TO 19 EMPLOYEES	28	5	-	-	-	1	2	-	6	-	-	-	-	4	1	2	3	-	2	-	-	-
20 TO 99 EMPLOYEES	10	2	-	-	-	-	-	-	2	-	-	-	-	1	-	3	3	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
BUCHANAN COUNTY	25	5	-	-	-	2	-	-	7	-	-	2	-	2	-	2	4	-	-	-	-	-
1 TO 19 EMPLOYEES	19	3	-	-	-	2	-	-	7	-	-	-	-	2	-	1	1	-	-	-	-	-
20 TO 99 EMPLOYEES	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BUENA VISTA COUNTY	36	11	-	-	1	1	1	-	5	1	1	-	-	4	-	2	5	1	-	-	-	-
1 TO 19 EMPLOYEES	26	7	-	-	-	1	1	-	4	1	1	-	-	4	-	2	1	1	-	-	-	-
20 TO 99 EMPLOYEES	7	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-	4	-	-	-	-	-
100 TO 249 EMPLOYEES	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BUTLER COUNTY	21	5	-	-	-	1	-	-	5	-	-	-	1	2	-	1	4	-	1	-	-	-
1 TO 19 EMPLOYEES	20	5	-	-	-	1	-	-	5	-	-	-	1	2	-	1	4	-	1	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
CALHOUN COUNTY	21	1	-	-	-	1	-	-	7	1	-	1	-	2	-	1	3	-	2	-	2	-
1 TO 19 EMPLOYEES	18	-	-	-	-	1	-	-	7	1	-	1	-	2	-	1	3	-	-	-	2	-
20 TO 99 EMPLOYEES	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-
CARROLL COUNTY	25	8	-	-	-	-	-	-	4	1	-	1	-	4	1	1	2	-	1	1	-	1
1 TO 19 EMPLOYEES	17	-	-	-	-	-	-	-	3	1	-	1	-	4	1	1	1	-	1	-	-	-
20 TO 99 EMPLOYEES	5	2	-	-	-	-	-	-	1	-	-	-	-	-	-	1	1	-	-	-	-	-
100 TO 249 EMPLOYEES	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CASS COUNTY	26	5	-	-	-	-	-	1	8	-	-	-	-	2	-	3	3	-	-	-	3	1
1 TO 19 EMPLOYEES	15	1	-	-	-	-	-	1	6	-	-	-	-	1	-	1	2	-	-	-	2	1
20 TO 99 EMPLOYEES	10	4	-	-	-	-	-	-	2	-	-	-	-	1	-	1	1	-	-	-	1	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
CEDAR COUNTY	26	10	-	-	-	1	-	-	2	1	-	-	-	3	2	4	-	1	-	2	-	-
1 TO 19 EMPLOYEES	20	7	-	-	-	1	-	-	2	1	-	-	-	3	1	3	-	-	-	2	-	-
20 TO 99 EMPLOYEES	5	3	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CERRO GORDO COUNTY	63	13	-	-	3	1	-	1	7	2	1	5	1	10	1	2	7	3	1	1	2	2
1 TO 19 EMPLOYEES	37	6	-	2	2	1	-	1	5	2	1	4	-	4	1	1	4	3	1	1	2	1
20 TO 99 EMPLOYEES	18	6	-	-	-	1	-	1	2	-	-	1	1	3	-	1	1	-	1	1	1	1
100 TO 249 EMPLOYEES	7	1	-	1	-	-	-	-	-	-	-	-	-	2	-	1	2	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
CHEROKEE COUNTY	22	4	-	-	-	-	1	1	5	1	-	-	-	3	-	-	6	-	-	-	1	-
1 TO 19 EMPLOYEES	15	1	-	-	-	1	1	1	4	1	-	-	-	2	-	-	4	-	-	-	1	-
20 TO 99 EMPLOYEES	6	2	-	-	-	-	-	-	1	-	-	-	-	1	-	-	2	-	-	-	-	-
250 EMPLOYEES AND OVER	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHICKASAW COUNTY	16	7	-	-	-	-	-	1	3	-	-	-	-	1	-	1	3	-	-	-	-	-
1 TO 19 EMPLOYEES	11	4	-	-	-	-	-	1	3	-	-	-	-	1	-	1	2	-	-	-	-	-
20 TO 99 EMPLOYEES	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
250 EMPLOYEES AND OVER	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLARKE COUNTY	12	1	-	-	1	-	-	-	2	-	-	-	-	1	-	1	2	1	3	-	-	-
1 TO 19 EMPLOYEES	6	1	-	-	-	-	-	-	2	-	-	-	-	1	-	1	1	-	2	-	-	-
20 TO 99 EMPLOYEES	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLAY COUNTY	38	3	-	-	2	3	3	3	8	-	-	1	1	5	-	2	6	-	-	1	2	1
1 TO 19 EMPLOYEES	25	2	-	-	1	3	3	-	8	-	-	1	1	4	-	2	3	-	-	1	2	1
20 TO 99 EMPLOYEES	9	-	-	-	1	-	-	-	-	-	-	-	-	1	-	2	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
250 EMPLOYEES AND OVER	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLAYTON COUNTY	36	5	-	-	-	8	-	-	6	-	-	1	-	5	-	4	4	3	-	-	-	-
1 TO 19 EMPLOYEES	26	4	-	-	5	2	-	-	6	-	-	1	-	4	-	2	3	1	-	-	-	-
20 TO 99 EMPLOYEES	8	1	-	-	2	-	-	-	-	-	-	-	-	1	-	2	1	1	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLINTON COUNTY	60	9	-	-	1	2	-	3	9	5	-	4	-	6	2	7	9	-	1	1	1	1
1 TO 19 EMPLOYEES	28	3	-	-	-	-	-	-	6	2	-	1	-	5	1	4	5	-	1	1	-	-
20 TO 99 EMPLOYEES	14	3	-	-	-	2	-	-	2	1	-	1	-	1	-	1	2	-	1	-	-	-
100 TO 249 EMPLOYEES	9	3	-	-	-	-	-	1	1	1	-	1	-	-	-	2	-	-	-	-	-	-
250 EMPLOYEES AND OVER	9	3	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CRAWFORD COUNTY	23	7	-	-	-	-	-	-	5	2	-	-	-	1	-	2	2	-	-	1	2	2
1 TO 19 EMPLOYEES	18	5	-	-	-	-	-	-	4	2	-	-	-	1	-	2	1	-	-	1	-	-
20 TO 99 EMPLOYEES	3	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DALLAS COUNTY	30	5	-	-	-	2	-	-	6	-	-	-	-	7	1	3	5	1	-	-	-	-
1 TO 19 EMPLOYEES	18	3	-	-	-	-	-	-	4	-	-	-	-	5	1	1	2	-	-	-	-	-
20 TO 99 EMPLOYEES	10	1	-	-	-	-	-	-	2	-	-	-	-	1	-	2	3	-	-	-	-	-
100 TO 249 EMPLOYEES	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 — Con.

State, county, and employee size class ¹	All es- tab- lish- ments	Establishments in major industry groups																			39	CAO's
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38		
DAVIS COUNTY	12	1	-	-	-	1	1	1	3	-	-	1	-	2	1	1	-	-	1	-	-	-
1 TO 19 EMPLOYEES	10	1	-	-	-	1	1	1	3	-	-	-	-	2	1	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
DECATUR COUNTY	9	1	-	-	1	1	-	-	3	-	-	-	-	-	-	2	1	-	-	-	-	-
1 TO 19 EMPLOYEES	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DELAWARE COUNTY	28	4	-	-	-	3	-	-	5	1	-	2	1	3	1	1	5	1	-	-	1	-
1 TO 19 EMPLOYEES	20	3	-	-	-	3	-	-	5	1	-	-	-	2	1	1	3	-	-	-	1	-
20 TO 99 EMPLOYEES	6	1	-	-	-	-	-	-	-	-	-	2	-	1	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-
DES MOINES COUNTY	63	7	-	-	1	2	5	3	8	7	1	-	1	7	1	3	7	7	-	1	1	1
1 TO 19 EMPLOYEES	33	2	-	-	-	1	1	2	6	3	1	-	1	6	1	-	5	1	-	1	1	1
20 TO 99 EMPLOYEES	14	4	-	-	-	2	1	1	1	1	-	-	-	1	-	1	1	1	-	-	-	-
100 TO 249 EMPLOYEES	11	1	-	-	1	1	2	-	1	1	-	-	-	-	-	2	1	2	-	-	-	-
250 EMPLOYEES AND OVER	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DICKINSON COUNTY	19	4	-	2	-	1	1	-	6	-	-	1	-	1	1	-	2	-	-	-	-	-
1 TO 19 EMPLOYEES	14	3	-	1	-	1	-	-	5	-	-	1	-	1	1	-	1	-	-	-	-	-
20 TO 99 EMPLOYEES	2	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DUBUQUE COUNTY	122	13	-	-	5	15	4	2	21	6	-	4	-	8	2	11	18	3	2	3	2	2
1 TO 19 EMPLOYEES	73	6	-	-	1	11	3	-	13	4	-	2	-	8	2	3	13	1	2	2	1	1
20 TO 99 EMPLOYEES	31	5	-	-	3	4	-	-	5	2	-	2	-	-	-	4	2	2	-	-	1	1
100 TO 249 EMPLOYEES	12	1	-	-	1	-	-	-	3	-	-	-	-	-	-	1	1	-	-	1	-	-
250 EMPLOYEES AND OVER	6	1	-	-	-	-	1	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-
EMMET COUNTY	18	6	-	-	-	-	-	-	1	-	-	1	-	2	-	1	5	-	1	-	-	1
1 TO 19 EMPLOYEES	11	2	-	-	-	-	-	-	1	-	-	1	-	2	-	1	4	-	-	-	-	-
20 TO 99 EMPLOYEES	5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FAYETTE COUNTY	42	10	-	-	-	1	-	-	5	1	-	4	-	7	-	3	8	-	1	-	1	1
1 TO 19 EMPLOYEES	31	8	-	-	-	1	-	-	4	1	-	2	-	7	-	2	5	-	1	-	-	-
20 TO 99 EMPLOYEES	8	1	-	-	-	-	-	-	1	-	-	1	-	-	-	1	1	-	-	-	-	-
100 TO 249 EMPLOYEES	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FLOYD COUNTY	29	4	-	-	1	1	1	-	5	2	-	1	-	4	-	-	4	3	1	-	-	2
1 TO 19 EMPLOYEES	23	3	-	-	-	1	1	-	4	1	-	1	-	3	-	-	2	2	1	-	-	-
20 TO 99 EMPLOYEES	4	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	1	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FRANKLIN COUNTY	23	2	-	-	-	1	-	-	3	-	-	2	-	4	1	2	6	2	-	-	-	-
1 TO 19 EMPLOYEES	16	1	-	-	-	1	-	-	3	-	-	1	-	4	1	2	2	1	-	-	-	-
20 TO 99 EMPLOYEES	3	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	2	2	-	-	-	-
100 TO 249 EMPLOYEES	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FREMONT COUNTY	9	4	-	-	-	-	-	-	4	-	-	-	-	1	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	8	3	-	-	-	-	-	-	4	-	-	-	-	1	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GREENE COUNTY	15	-	-	-	-	-	-	-	3	-	-	-	-	4	1	-	5	1	-	-	1	-
1 TO 19 EMPLOYEES	8	-	-	-	-	-	-	-	-	-	-	-	-	3	1	-	1	1	-	-	-	-
20 TO 99 EMPLOYEES	5	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRUNDY COUNTY	20	6	-	-	-	-	-	-	4	-	-	2	-	2	-	-	4	-	1	-	-	-
1 TO 19 EMPLOYEES	13	4	-	-	-	-	-	-	3	-	-	1	-	2	-	-	2	-	-	-	-	-
20 TO 99 EMPLOYEES	4	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GUTHRIE COUNTY	8	-	-	-	-	1	-	-	4	-	-	-	-	1	-	1	-	-	-	-	-	-
1 TO 19 EMPLOYEES	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 -- Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
HAMILTON COUNTY	42	6	-	-	-	1	-	-	10	-	1	1	-	1	5	6	5	2	2	-	1	1
1 TO 19 EMPLOYEES	28	5	-	-	-	1	-	-	7	-	-	1	-	1	2	5	4	-	2	-	-	-
20 TO 99 EMPLOYEES	11	-	-	-	-	-	-	-	3	-	-	-	-	-	3	-	1	1	-	-	1	1
100 TO 249 EMPLOYEES	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
HANCOCK COUNTY	20	2	-	-	1	-	-	-	4	1	-	-	-	2	-	1	7	-	1	-	1	-
1 TO 19 EMPLOYEES	16	2	-	-	1	-	-	-	4	1	-	-	-	1	-	1	4	-	1	-	1	-
20 TO 99 EMPLOYEES	3	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
HARDIN COUNTY	38	5	-	-	2	1	2	-	10	2	-	2	1	5	-	3	4	-	1	-	-	-
1 TO 19 EMPLOYEES	23	2	-	-	1	1	1	-	8	2	-	1	1	4	-	1	4	-	1	-	-	-
20 TO 99 EMPLOYEES	13	2	-	-	1	-	-	-	2	2	-	1	1	1	-	2	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HARRISON COUNTY	8	-	-	-	-	-	-	-	3	1	-	-	-	1	-	-	1	-	2	-	-	-
1 TO 19 EMPLOYEES	7	-	-	-	-	-	-	-	3	1	-	-	-	1	-	-	1	-	1	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HENRY COUNTY	24	1	-	-	-	-	-	-	6	2	-	1	-	2	-	3	5	1	2	-	-	1
1 TO 19 EMPLOYEES	16	1	-	-	-	-	-	-	4	2	-	1	-	2	-	1	4	-	1	-	-	1
20 TO 99 EMPLOYEES	4	-	-	-	-	-	-	-	2	-	-	1	-	-	-	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
HOWARD COUNTY	16	5	-	-	-	1	-	1	4	-	-	1	-	2	-	-	2	-	-	-	-	-
1 TO 19 EMPLOYEES	13	4	-	-	-	1	-	-	4	-	-	1	-	2	-	-	1	-	-	-	-	-
20 TO 99 EMPLOYEES	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
HUMBOLDT COUNTY	23	2	-	-	-	1	1	-	3	3	1	-	-	2	-	-	3	-	3	-	4	-
1 TO 19 EMPLOYEES	15	1	-	-	-	-	-	-	3	2	-	-	-	1	-	-	2	-	2	-	4	-
20 TO 99 EMPLOYEES	8	1	-	-	-	1	1	-	-	1	-	-	-	1	-	-	1	-	1	-	-	-
IDA COUNTY	11	2	-	-	-	-	-	-	4	-	-	1	-	1	-	-	1	-	1	-	-	-
1 TO 19 EMPLOYEES	8	2	-	-	-	-	-	-	3	-	-	1	-	1	-	-	1	-	-	-	-	-
20 TO 99 EMPLOYEES	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IOWA COUNTY	25	7	-	1	1	5	1	-	4	-	-	-	-	3	-	-	1	1	-	-	-	1
1 TO 19 EMPLOYEES	16	6	-	-	-	-	-	-	3	-	-	-	-	2	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	7	1	-	-	-	1	-	-	1	-	-	-	-	1	-	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
JACKSON COUNTY	31	9	-	-	1	1	-	-	4	-	-	-	-	5	1	2	4	1	-	-	3	-
1 TO 19 EMPLOYEES	21	6	-	-	-	-	-	-	3	-	-	-	-	4	1	1	3	-	-	-	3	-
20 TO 99 EMPLOYEES	8	3	-	-	-	-	-	-	1	-	-	-	-	1	1	1	-	1	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
JASPER COUNTY	42	6	-	-	-	1	1	-	8	-	-	3	-	4	1	5	4	2	1	-	5	1
1 TO 19 EMPLOYEES	27	4	-	-	-	-	-	-	6	-	-	1	-	3	1	5	3	-	-	-	4	-
20 TO 99 EMPLOYEES	10	2	-	-	-	1	-	-	2	-	-	2	-	1	1	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	1
250 EMPLOYEES AND OVER	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JEFFERSON COUNTY	27	3	-	-	1	1	-	-	3	-	-	1	1	2	2	1	9	-	1	-	2	-
1 TO 19 EMPLOYEES	14	3	-	-	-	-	-	-	2	-	-	-	-	2	-	1	5	-	-	-	1	-
20 TO 99 EMPLOYEES	5	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	1	-
100 TO 249 EMPLOYEES	7	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	2	-	1	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
JOHNSON COUNTY	63	6	-	-	-	4	1	1	19	3	-	4	-	7	-	5	4	2	1	4	2	-
1 TO 19 EMPLOYEES	45	2	-	-	-	3	1	-	13	2	-	2	-	7	-	5	3	1	1	4	1	-
20 TO 99 EMPLOYEES	14	4	-	-	-	1	-	-	5	-	-	1	-	-	-	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal products; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																			39	CAO's
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38		
JONES COUNTY 1 TO 19 EMPLOYEES	41	5	-	-	1	5	-	1	8	-	-	2	-	5	-	3	7	3	1	-	-	-
20 TO 99 EMPLOYEES	30	4	-	-	4	-	-	-	7	-	-	-	-	-	-	2	4	2	1	-	-	-
100 TO 249 EMPLOYEES	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-
KEOKUK COUNTY	7	1	-	-	1	-	-	-	2	-	-	-	-	-	-	-	-	1	1	-	-	-
1 TO 19 EMPLOYEES	6	1	-	-	1	-	-	-	2	-	-	-	-	-	-	-	-	1	1	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KOSSUTH COUNTY	28	6	-	-	-	1	1	1	6	1	-	2	-	5	-	3	1	-	2	-	-	-
1 TO 19 EMPLOYEES	22	4	-	-	1	-	-	-	5	1	-	2	-	5	-	2	1	-	-	-	-	-
20 TO 99 EMPLOYEES	2	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEE COUNTY	72	5	-	-	-	6	-	3	9	8	-	4	-	4	6	8	12	-	1	1	3	2
1 TO 19 EMPLOYEES	41	2	-	-	-	6	-	-	7	2	-	1	-	4	2	2	8	-	-	1	2	-
20 TO 99 EMPLOYEES	14	-	-	-	-	-	-	1	2	1	-	2	-	-	-	-	4	-	-	-	-	-
100 TO 249 EMPLOYEES	10	1	-	-	-	-	-	2	-	4	-	1	-	-	1	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	7	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LINN COUNTY	225	27	-	-	8	11	-	5	35	5	2	6	-	16	4	20	47	16	5	3	11	4
1 TO 19 EMPLOYEES	145	6	-	-	8	11	-	1	27	4	2	4	-	11	2	14	28	11	4	2	8	2
20 TO 99 EMPLOYEES	43	9	-	-	-	-	-	1	6	1	-	2	-	5	1	3	10	1	1	1	2	1
100 TO 249 EMPLOYEES	16	7	-	-	-	-	-	2	1	-	-	-	-	-	-	2	1	1	1	-	1	1
250 EMPLOYEES AND OVER	21	5	-	-	-	-	-	1	1	-	-	-	-	-	-	1	8	3	-	-	1	-
LOUISA COUNTY	17	2	-	-	-	3	1	-	4	-	-	1	-	3	-	1	2	-	-	-	-	-
1 TO 19 EMPLOYEES	14	1	-	-	-	2	1	-	3	-	-	1	-	3	-	1	2	-	-	-	-	-
20 TO 99 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LUCAS COUNTY	10	1	-	-	1	-	-	-	1	-	-	-	-	3	-	2	1	1	-	-	-	-
1 TO 19 EMPLOYEES	8	1	-	-	1	-	-	-	1	-	-	-	-	3	-	1	1	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LYON COUNTY	15	1	-	-	-	-	-	-	5	-	-	-	-	2	-	-	5	-	2	-	-	-
1 TO 19 EMPLOYEES	12	1	-	-	-	-	-	-	5	-	-	-	-	2	-	-	4	-	-	-	-	-
20 TO 99 EMPLOYEES	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
MADISON COUNTY	11	-	-	-	-	-	-	1	4	1	-	-	-	1	-	-	2	1	1	-	-	-
1 TO 19 EMPLOYEES	11	-	-	-	-	-	-	1	4	1	-	-	-	-	-	-	2	1	1	-	-	-
MAHASKA COUNTY	29	3	-	-	1	1	-	1	6	-	-	-	-	-	-	2	5	-	1	-	4	2
1 TO 19 EMPLOYEES	16	1	-	-	1	1	-	-	4	-	-	-	-	2	-	1	2	-	-	-	4	1
20 TO 99 EMPLOYEES	10	1	-	-	-	-	-	-	2	-	-	-	-	1	-	-	3	-	-	-	-	1
100 TO 249 EMPLOYEES	2	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MARION COUNTY	28	7	-	-	2	1	-	1	5	-	-	1	-	2	-	2	6	-	-	-	1	1
1 TO 19 EMPLOYEES	20	5	-	-	-	-	-	-	5	-	-	-	-	-	-	-	4	-	-	-	-	-
20 TO 99 EMPLOYEES	3	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	3	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MARSHALL COUNTY	56	10	-	1	-	2	1	1	7	1	-	2	-	5	4	6	10	-	2	1	1	1
1 TO 19 EMPLOYEES	34	6	-	-	2	1	1	1	5	1	-	-	-	4	2	1	8	-	2	-	-	-
20 TO 99 EMPLOYEES	11	3	-	-	-	-	-	-	2	-	-	2	-	1	-	2	1	-	-	-	-	-
100 TO 249 EMPLOYEES	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MILLS COUNTY	10	3	-	-	-	-	-	-	6	-	-	-	-	1	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	7	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MITCHELL COUNTY	13	1	-	1	-	-	-	-	4	-	-	-	-	3	-	2	1	-	1	-	-	-
1 TO 19 EMPLOYEES	10	1	-	-	-	-	-	-	3	-	-	-	-	3	-	1	1	-	-	-	-	-
20 TO 99 EMPLOYEES	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	7	-	-	-	-	-	-	-	4	-	-	-	-	2	-	-	-	-	-	-	-	-
MONONA COUNTY	7	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	7	-	-	-	-	-	-	-	4	-	-	-	-	2	-	-	-	-	-	-	-	-

See footnotes at end of table.

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--mechanical, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																																		
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO ²														
SCOTT COUNTY	187	14	-	-	3	12	5	3	30	5	-	2	-	8	15	19	48	5	2	6	7	3														
1 TO 19 EMPLOYEES	118	6	-	-	2	7	4	2	24	4	-	1	-	4	5	12	31	4	2	2	7	1														
20 TO 99 EMPLOYEES	45	5	-	-	1	4	1	1	5	1	-	-	-	3	5	6	9	-	-	-	-	-														
100 TO 249 EMPLOYEES	10	1	-	-	1	1	-	-	1	-	-	-	-	1	2	1	6	-	-	-	-	-														
250 EMPLOYEES AND OVER	14	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
SHELBY COUNTY	15	2	-	-	-	-	1	1	3	1	-	-	-	3	-	1	1	1	1	-	-	1														
1 TO 19 EMPLOYEES	12	1	-	-	-	-	-	-	3	1	-	-	-	3	-	1	1	1	-	-	-	-														
20 TO 99 EMPLOYEES	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
SIoux COUNTY	54	16	-	-	1	-	1	1	8	2	1	2	-	8	-	2	11	1	1	-	-	-														
1 TO 19 EMPLOYEES	37	10	-	-	-	-	-	-	7	1	1	2	-	5	-	1	8	-	-	-	-	-														
20 TO 99 EMPLOYEES	13	5	-	-	-	-	-	-	1	1	-	-	-	3	-	1	3	-	-	-	-	-														
100 TO 249 EMPLOYEES	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
250 EMPLOYEES AND OVER	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
STORY COUNTY	64	3	-	-	3	1	1	1	20	2	-	1	-	7	-	5	8	1	3	7	2	-														
1 TO 19 EMPLOYEES	46	1	-	-	2	1	1	1	17	2	-	1	-	5	-	4	3	-	-	4	2	-														
20 TO 99 EMPLOYEES	11	2	-	-	-	-	-	-	3	-	-	-	-	1	-	1	2	-	-	2	-	-														
100 TO 249 EMPLOYEES	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
250 EMPLOYEES AND OVER	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
TAMA COUNTY	23	4	-	-	-	3	-	1	4	-	-	-	-	2	-	1	7	1	-	-	-	-														
1 TO 19 EMPLOYEES	18	3	-	-	-	1	-	1	3	-	-	-	-	-	-	-	7	1	-	-	-	-														
20 TO 99 EMPLOYEES	4	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-														
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
TAYLOR COUNTY	12	1	-	-	1	-	1	1	4	-	-	-	-	-	-	-	2	-	-	1	-	-														
1 TO 19 EMPLOYEES	9	1	-	-	-	-	-	-	4	-	-	-	-	-	-	-	1	-	-	-	-	-														
20 TO 99 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
100 TO 249 EMPLOYEES	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
UNION COUNTY	18	1	-	-	-	-	-	-	6	1	-	-	-	3	1	1	1	-	-	-	1	1														
1 TO 19 EMPLOYEES	14	1	-	-	-	-	-	-	5	1	-	-	-	3	-	1	1	-	-	-	-	-														
20 TO 99 EMPLOYEES	3	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-														
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
VAN BUREN COUNTY	9	-	-	-	1	2	-	-	2	-	-	1	-	-	-	1	1	-	-	-	-	-														
1 TO 19 EMPLOYEES	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
20 TO 99 EMPLOYEES	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
WAPELLO COUNTY	39	13	-	-	1	4	-	-	6	-	-	1	-	5	-	2	4	-	-	1	-	2														
1 TO 19 EMPLOYEES	22	7	-	-	1	3	-	-	5	-	-	1	-	3	-	-	2	-	-	-	-	-														
20 TO 99 EMPLOYEES	15	4	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-														
100 TO 249 EMPLOYEES	2	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
250 EMPLOYEES AND OVER	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
WARREN COUNTY	27	-	-	1	-	2	-	-	4	1	-	1	-	3	-	-	4	-	-	2	1	1														
1 TO 19 EMPLOYEES	22	-	-	-	-	-	-	-	3	1	-	-	-	2	-	-	3	-	-	-	-	-														
20 TO 99 EMPLOYEES	4	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-														
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
WASHINGTON COUNTY	31	10	-	-	-	3	-	-	3	-	-	1	-	3	-	3	4	-	-	2	-	-														
1 TO 19 EMPLOYEES	22	7	-	-	-	1	-	-	1	-	-	-	-	2	-	1	3	-	-	-	-	-														
20 TO 99 EMPLOYEES	5	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-														
100 TO 249 EMPLOYEES	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
250 EMPLOYEES AND OVER	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
WAYNE COUNTY	15	2	-	-	-	-	-	-	3	-	-	1	-	-	1	-	4	3	1	-	-	1														
1 TO 19 EMPLOYEES	10	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
20 TO 99 EMPLOYEES	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
WEBSTER COUNTY	64	12	-	-	2	3	-	-	1	1	1	-	2	1	1	-	4	2	1	-	-	1														
1 TO 19 EMPLOYEES	38	5	-	-	-	-	-	-	3	1	-	-	1	5	-	-	2	1	-	-	-	-														
20 TO 99 EMPLOYEES	16	5	-	-	-	-	-	-	3	1	-	-	1	4	-	-	1	1	-	-	-	-														
100 TO 249 EMPLOYEES	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
250 EMPLOYEES AND OVER	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
WINNEBAGO COUNTY	26	2	-	-	-	2	-	-	7	-	-	-	-	2	2	-	3	3	-	-	-	5														
1 TO 19 EMPLOYEES	19	2	-	-	-	-	-	-	6	-	-	-	-	-	-	-	1	1	-	-	-	2														
20 TO 99 EMPLOYEES	5	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-														
250 EMPLOYEES AND OVER	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
WINNESHIEK COUNTY.	18	6	-	-	-	1	-	-	5	1	-	-	-	2	1	1	1	-	-	-	-	-
1 TO 19 EMPLOYEES.	11	3	-	-	-	-	-	-	4	1	-	-	-	2	-	-	1	-	-	-	-	-
20 TO 99 EMPLOYEES.	5	3	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
WOODBURY COUNTY.	144	42	-	1	3	2	3	2	21	9	1	4	2	6	-	10	20	3	4	1	8	1
1 TO 19 EMPLOYEES.	90	18	-	1	1	3	2	1	19	5	1	4	2	4	-	6	11	2	1	1	7	1
20 TO 99 EMPLOYEES.	35	15	-	-	1	-	-	1	1	3	-	-	-	2	-	3	6	-	2	-	1	-
100 TO 249 EMPLOYEES.	12	5	-	-	-	-	-	-	1	1	-	-	-	-	-	1	2	-	-	-	-	-
250 EMPLOYEES AND OVER	7	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-	-	-
WORTH COUNTY.	8	1	-	-	-	1	-	-	3	-	-	1	-	2	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	6	1	-	-	-	-	-	-	3	-	-	-	-	2	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	2	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
WRIGHT COUNTY.	28	7	-	-	-	3	-	-	8	1	-	1	-	2	1	-	3	-	-	-	1	1
1 TO 19 EMPLOYEES.	19	3	-	-	-	2	-	-	7	1	-	1	-	2	1	-	1	-	-	-	1	1
20 TO 99 EMPLOYEES.	5	1	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-

Note: Data on number of establishments by employment size class by 4-digit SIC industry for States, counties, and selected cities are presented in Location of Manufacturing Plants data series. This series is available only on computer tape (see Introduction).

- Represents zero.

¹Only those counties and size classes that include data for manufacturing establishments are shown.

Kansas

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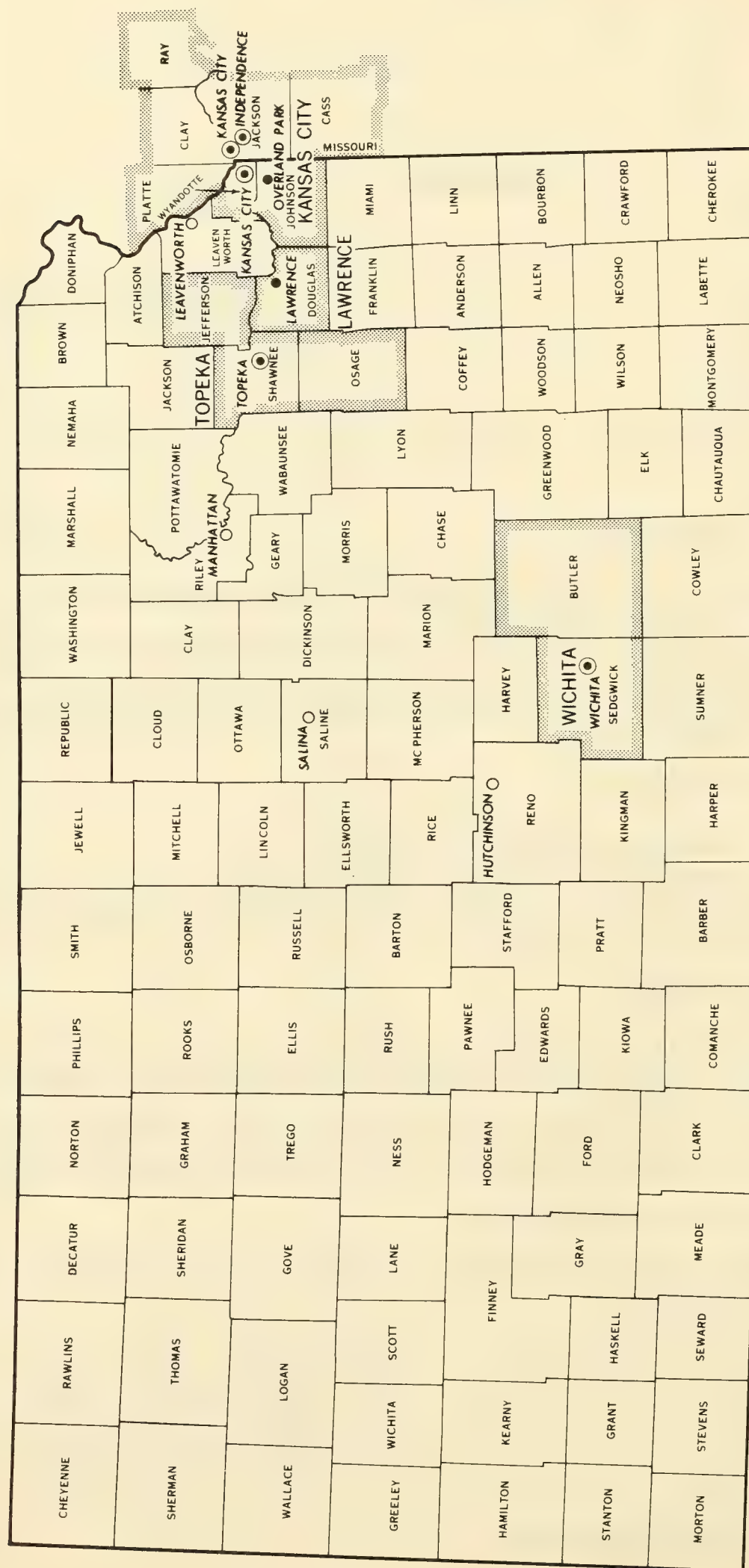
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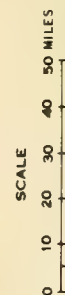
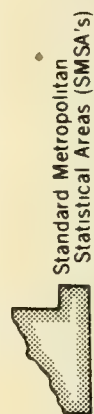
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KANSAS



LEGEND

- Places of 100,000 or more inhabitants
- Places of 50,000 to 100,000 inhabitants
- Places of 25,000 to 50,000 inhabitants outside SMSA's



SUMMARY OF FINDINGS

In 1977, 168.1 thousand persons were employed in Kansas' manufacturing establishments. This figure represented an increase of 23 percent from the 1972 figure of 137.0 thousand workers.

The total value added by manufacture for the State amounted to \$5,338 million in 1977, an increase of approximately 83 percent from the 1972 figure of \$2,915 million. All dollar figures in this report are in current dollars and are, therefore, not adjusted for changes in price levels.

In the State, the most important industry groups ranked by employment were transportation equipment; machinery, except electrical; food and kindred products; and printing and publishing. They accounted for approximately 58 percent of the State's 1977 employment. These same industry groups were in the forefront for 1972 when they accounted for approximately 58 percent of the State's employment.

The most important counties in the State ranked by employment were Sedgwick, Wyandotte, Johnson, and Shawnee. They accounted for approximately 50 percent of the State's 1977 manufacturing employment. In 1972, these same counties accounted for approximately 62 percent of the State's employment.

The methods of data collection and use of administrative records data are discussed in detail in the Introduction. Small single-unit companies with up to 20 employees (the cutoff varied by industry) were excluded from the mail portion of the census. For these establishments (and a small number of larger establishments whose reports were not received in time to be tabulated), statistics on payrolls and receipts were obtained from administrative records of other government agencies. Other statistics were developed from industry averages. For this State, these establishments accounted for 2 percent of the total value of shipments.

Table 1. Historical Employment Statistics for Operating Manufacturing Establishments and Central Administrative Offices: 1977 and Earlier Years

(For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

State, standard metropolitan statistical area, and year	All establishments		Operating manufacturing establishments		Central administrative offices and auxiliaries ¹	
	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)
Kansas:						
1977.....	168.1	2,114.8	164.4	2,058.3	3.7	56.5
1972.....	137.0	1,181.1	134.0	1,145.5	3.0	35.6
1967.....	143.8	964.8	142.0	949.3	1.8	15.5
1963.....	114.3	684.4	112.8	674.0	1.5	10.5
STANDARD METROPOLITAN STATISTICAL AREAS						
Kansas City, Mo.-Kans.:						
1977.....	168.1	2,114.8	111.2		6.6	98.3
1972.....	118.8	1,144.2	113.6		5.2	57.2
1967.....	129.4	906.6	125.3	869.8	4.1	36.8
1963.....	111.1	684.5	107.1	654.6	4.0	29.9
Lawrence:						
1977.....	3.7	47.9	3.7	47.9	-	-
1972.....	3.5	28.3	(NA)	(NA)	(NA)	(NA)
Topeka:						
1977.....	10.6	143.8	10.5	141.6	.1	2.2
1972.....	9.5	87.8	(D)	(D)	(D)	(D)
1967.....	8.3	58.2	8.0	55.3	.3	2.9
1963.....	6.6	40.3	6.5	39.5	.1	.8
Wichita:						
1977.....	50.5	652.4	49.4	630.8	1.1	21.6
1972.....	38.5	359.6	37.4	344.5	1.1	15.1
1967.....	57.7	415.4	56.9	407.9	.8	7.5
1963.....	43.3	286.6	42.2	278.6	1.2	8.0

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available.

¹Defined in appendix B. Data for these establishments are included at the total manufacturing level in each table in this report. Data for these establishments are shown separately in tables 5 and 9 and included in State, SMSA, county, or city totals in other tables.

Table 2a. **Historical Statistics for the State and Selected Standard Metropolitan Statistical Areas:**
1977 and Earlier Years

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix to this report.											Comparative indexes and U.S. employment				
Year ¹	Establishments ²		All employees ²		Production workers							Percent of U.S. manufacturing employment (per- cent)	Index of State em- ploy- ment change (1977= 100)	United States	
	Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)	Value added by manu- facture (million dollars)	Cost of materials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expenditures (million dollars)			Index of manufac- turing employ- ment change (1977= 100)	U.S. manu- facturing employ- ment (1,000)
KANSAS															
1977 CENSUS.	3 270	1 037	168.1	2 114.8	121.6	241.5	1 370.8	5 337.8	10 783.0	15 987.3	345.4	.86	100	100	19 596.9
1976 ASM....	(NA)	(NA)	167.5	1 950.0	121.2	239.8	1 257.6	4 859.2	9 843.5	14 657.5	328.3	.89	100	96	18 753.0
1975 ASM....	(NA)	(NA)	167.8	1 753.4	120.3	231.5	1 115.1	4 400.5	8 687.5	13 006.6	321.3	.92	100	94	18 302.2
1974 ASM....	(NA)	(NA)	165.4	1 159.0	122.2	240.8	1 041.8	3 882.6	7 796.3	11 460.4	305.4	.83	98	102	19 844.8
1973 ASM....	(NA)	(NA)	152.6	1 361.7	112.7	222.2	899.4	3 384.8	6 321.0	9 609.7	267.2	.77	91	102	19 897.9
1972 CENSUS.	2 839	957	137.0	1 181.1	101.3	202.5	782.8	2 915.4	5 237.8	8 062.5	199.2	.72	82	98	19 028.7
1971 ASM....	(NA)	(NA)	123.8	1 019.3	89.6	175.5	669.2	2 560.6	3 992.5	6 507.0	132.5	.67	74	94	18 363.1
1970 ASM....	(NA)	(NA)	130.4	988.8	92.5	185.2	646.2	2 294.5	3 419.6	5 738.2	138.7	.68	78	99	19 217.2
1969 ASM....	(NA)	(NA)	143.6	1 031.2	104.9	208.9	684.4	2 456.4	3 680.0	6 092.0	122.4	.72	85	103	20 035.5
1968 ASM....	(NA)	(NA)	144.7	1 009.3	105.9	218.5	583.7	2 332.5	3 448.0	5 785.5	133.7	.74	86	100	19 527.6
1967 CENSUS.	2 551	812	143.8	964.8	106.5	218.1	655.4	2 112.4	3 281.9	5 372.3	155.9	.74	86	99	19 323.2
1966 ASM....	(NA)	(NA)	135.5	880.8	102.6	215.2	610.1	1 955.6	3 159.6	5 102.8	113.4	.71	81	98	19 024.5
1965 ASM....	(NA)	(NA)	120.6	755.9	89.2	187.6	517.7	1 699.8	2 921.8	4 627.8	94.6	.67	72	92	18 010.2
1964 ASM....	(NA)	(NA)	120.0	746.5	88.4	187.5	513.2	1 570.2	2 651.3	4 202.7	101.4	.69	71	89	17 268.5
1963 CENSUS.	2 475	696	114.3	684.4	84.6	176.9	463.2	1 461.6	(NA)	(NA)	106.3	.67	68	87	16 958.4
KANSAS CITY, MO.-KANS., SMSA															
1977 CENSUS.	2 054	702	117.8	1 734.0	77.6	154.1	1 027.4	4 119.9	7 618.8	11 765.4	328.0	.60	100	100	19 596.9
1976 ASM....	(NA)	(NA)	117.4	1 559.1	74.6	144.0	880.0	3 706.3	6 665.9	10 341.2	204.0	.63	100	96	18 753.0
1975 ASM....	(NA)	(NA)	114.8	1 360.3	71.5	131.9	742.4	3 135.0	5 596.3	8 702.9	236.7	.63	97	94	18 302.2
1974 ASM....	(NA)	(NA)	124.3	1 337.0	80.0	148.7	775.3	3 293.7	5 357.4	8 538.5	194.6	.63	106	102	19 844.8
1973 ASM....	(NA)	(NA)	125.0	1 260.9	81.0	159.3	755.7	3 223.1	4 995.2	8 174.2	158.8	.63	106	102	19 897.9
1972 CENSUS.	1 880	702	118.8	1 144.2	78.0	151.4	678.8	2 902.4	4 059.1	6 903.0	162.8	.62	101	98	19 028.7
1971 ASM....	(NA)	(NA)	120.3	1 090.5	78.0	149.6	640.5	2 768.1	3 754.2	6 514.0	128.7	.66	102	94	18 363.1
1970 ASM....	(NA)	(NA)	124.8	1 049.8	80.4	162.2	629.0	2 451.2	3 267.7	5 698.6	120.8	.65	106	99	19 217.2
1969 ASM....	(NA)	(NA)	128.1	997.8	86.8	172.4	611.0	2 377.6	3 486.9	5 840.6	90.1	.64	109	103	20 035.5
1968 ASM....	(NA)	(NA)	127.7	968.8	87.4	177.5	606.7	2 368.9	3 573.8	5 928.6	86.5	.65	108	100	19 527.6
1967 CENSUS.	1 776	690	129.4	906.6	90.4	179.1	573.2	2 070.7	3 145.1	5 180.5	95.3	.67	110	99	19 323.2
1966 ASM....	(NA)	(NA)	135.6	942.2	93.5	191.1	588.4	2 130.1	3 440.7	5 536.1	110.2	.71	115	98	19 024.5
1965 ASM....	(NA)	(NA)	127.1	838.8	86.9	175.9	519.3	1 900.1	3 309.0	5 181.9	94.7	.71	108	92	18 010.2
1964 ASM....	(NA)	(NA)	113.3	725.1	78.1	157.9	452.5	1 679.4	2 793.7	4 450.3	99.8	.66	96	89	17 268.5
1963 CENSUS.	1 755	645	111.1	684.5	75.4	153.1	423.1	1 514.2	(NA)	(NA)	76.4	.66	94	87	16 958.4
WICHITA SMSA															
1977 CENSUS.	648	197	50.5	652.4	35.6	70.3	398.6	1 554.0	2 697.8	4 193.3	92.3	.26	100	100	19 596.9
1976 ASM....	(NA)	(NA)	49.4	607.8	36.5	74.8	396.8	1 444.7	2 467.0	3 916.4	73.0	.26	98	96	18 753.0
1975 ASM....	(NA)	(NA)	51.9	594.4	36.9	74.3	368.1	1 294.7	2 113.2	3 361.2	82.1	.28	103	94	18 302.2
1974 ASM....	(NA)	(NA)	50.2	519.0	37.7	74.0	334.7	1 162.3	1 906.7	2 978.4	77.3	.25	99	102	19 844.8
1973 ASM....	(NA)	(NA)	45.9	435.1	33.3	66.3	271.9	982.0	1 359.4	2 314.2	54.5	.23	91	102	19 897.9
1972 CENSUS.	564	180	38.5	359.6	27.5	56.7	226.4	776.1	1 083.5	1 810.6	40.8	.20	76	98	19 028.7
1971 ASM....	(NA)	(NA)	32.7	285.9	22.0	45.2	175.2	606.7	895.0	1 485.7	16.0	.18	65	94	18 363.1
1970 ASM....	(NA)	(NA)	37.7	323.6	24.9	53.6	196.5	603.0	856.1	1 499.7	31.1	.20	75	99	19 217.2
1969 ASM....	(NA)	(NA)	50.3	381.6	35.7	70.6	245.2	743.4	908.4	1 636.1	28.6	.25	100	103	20 035.5
1968 ASM....	(NA)	(NA)	55.1	399.6	38.5	80.4	266.2	709.0	851.2	1 587.1	33.0	.28	109	100	19 527.6
1967 CENSUS.	518	172	57.7	415.4	41.1	85.1	276.4	730.3	863.0	1 599.3	37.6	.30	114	99	19 323.2
1966 ASM....	(NA)	(NA)	50.1	362.7	37.3	80.0	245.7	659.1	736.5	1 408.5	25.8	.26	99	98	19 024.5
1965 ASM....	(NA)	(NA)	42.8	292.7	30.6	64.0	188.4	558.4	626.7	1 197.8	17.5	.24	85	92	18 010.2
1964 ASM....	(NA)	(NA)	47.2	319.8	34.0	71.8	216.4	525.9	616.4	1 139.8	20.1	.27	94	89	17 268.5
1963 CENSUS.	518	151	43.3	286.6	31.4	64.5	183.0	480.1	(NA)	(NA)	22.8	.26	86	87	16 958.4

(NA) Not available.

¹In annual survey of manufactures (ASM) years, data are estimates based on a representative sample of establishments canvassed annually and may differ from results of a complete canvass of all establishments. ASM publication shows percentage standard errors. Unless otherwise noted, for data prior to 1963, see 1963 Census of Manufactures, vol. III, table 1 of State chapter.

²Including central administrative offices and auxiliaries (for definition, see appendix B).

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 2b. Selected Operating Ratios for the State and Selected Standard Metropolitan Statistical Areas: 1977 and Earlier Years

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials as percent of value of shipments (percent)	Cost of materials and payroll as percent of value of shipments (percent)	Value added per employee (dollars)	Payroll as percent of value added (percent)	Value added per production worker hour (dollars)
KANSAS									
1977 CENSUS.....	12 582	72	1 986	5.68	67	81	31 757	40	22.10
1976 ASM.....	11 642	72	1 979	5.24	67	80	29 010	40	20.26
1975 ASM.....	10 449	72	1 924	4.82	67	80	26 225	40	19.01
1974 ASM.....	7 007	74	1 971	4.33	68	78	23 474	30	16.12
1973 ASM.....	8 923	74	1 972	4.05	66	80	22 181	40	15.23
1972 CENSUS.....	8 621	74	1 999	3.87	65	80	21 280	41	14.40
1971 ASM.....	8 233	72	1 959	3.81	61	77	20 683	40	14.59
1970 ASM.....	7 583	71	2 002	3.49	60	77	17 596	43	12.39
1969 ASM.....	7 181	73	1 991	3.28	60	77	17 106	42	11.76
1968 ASM.....	6 975	73	2 063	2.67	60	77	16 120	43	10.68
1967 CENSUS.....	6 709	74	2 048	3.01	61	79	14 690	46	9.69
1966 ASM.....	6 500	76	2 097	2.84	62	79	14 432	45	9.09
1965 ASM.....	6 268	74	2 103	2.76	63	79	14 095	44	9.06
1964 ASM.....	6 221	74	2 121	2.74	63	81	13 085	48	8.37
1963 CENSUS.....	5 988	74	2 091	2.62	(NA)	(NA)	12 787	47	8.26
KANSAS CITY, MO.-KANS., SMSA									
1977 CENSUS.....	14 723	66	1 987	6.67	65	79	34 981	42	26.74
1976 ASM.....	13 280	64	1 930	6.11	64	80	31 570	42	25.74
1975 ASM.....	11 849	62	1 845	5.63	64	80	27 308	43	23.77
1974 ASM.....	10 756	64	1 859	5.21	63	78	26 498	41	22.15
1973 ASM.....	10 087	65	1 967	4.74	61	77	25 785	39	20.23
1972 CENSUS.....	9 631	66	1 941	4.48	59	75	24 431	39	19.17
1971 ASM.....	9 065	65	1 918	4.28	58	74	23 010	39	18.50
1970 ASM.....	8 412	64	2 017	3.88	57	76	19 641	43	15.11
1969 ASM.....	7 789	68	1 986	3.54	60	77	18 560	42	13.79
1968 ASM.....	7 587	68	2 031	3.42	60	77	18 551	41	13.35
1967 CENSUS.....	7 006	70	1 981	3.20	61	78	16 002	44	11.56
1966 ASM.....	6 948	69	2 044	3.08	62	79	15 709	44	11.15
1965 ASM.....	6 600	68	2 024	2.95	64	80	14 950	44	10.80
1964 ASM.....	6 400	69	2 022	2.87	63	79	14 823	43	10.64
1963 CENSUS.....	6 161	68	2 031	2.76	(NA)	(NA)	13 629	45	9.89
WICHITA SMSA									
1977 CENSUS.....	12 925	70	1 978	5.67	64	80	30 788	42	22.09
1976 ASM.....	12 304	74	2 049	5.30	63	79	29 245	42	19.31
1975 ASM.....	11 453	71	2 014	4.95	63	81	24 946	46	17.43
1974 ASM.....	10 339	75	1 963	4.52	64	81	23 153	45	15.71
1973 ASM.....	9 479	73	1 991	4.10	59	78	21 394	44	14.81
1972 CENSUS.....	9 340	71	2 062	3.99	60	80	20 158	46	13.69
1971 ASM.....	8 743	67	2 055	3.88	60	79	18 554	47	13.42
1970 ASM.....	8 584	66	2 153	3.67	57	79	15 995	54	11.25
1969 ASM.....	7 586	71	1 978	3.47	56	79	14 779	51	10.53
1968 ASM.....	7 252	70	2 088	3.31	54	79	12 868	56	8.82
1967 CENSUS.....	7 199	71	2 071	3.25	54	80	12 657	57	8.58
1966 ASM.....	7 240	74	2 145	3.07	52	78	13 156	55	8.24
1965 ASM.....	6 839	71	2 092	2.94	52	77	13 047	52	8.72
1964 ASM.....	6 775	72	2 112	3.01	54	82	11 142	61	7.32
1963 CENSUS.....	6 619	73	2 054	2.84	(NA)	(NA)	11 088	60	7.44

Note: For qualifications to data, see footnotes on table 2a.

(NA) Not available.

Table 3a. Summary Statistics for the State: 1977 and 1972

[For explanation of terms, see appendix B]

Item	Unit of measure	1977	1972
All establishments ¹	number ----	3 270	2 839
With 1 to 19 employees.....	do ----	2 233	1 882
With 20 to 99 employees.....	do ----	715	674
With 100 employees or more.....	do ----	322	283
All employees, average for year ¹	1,000 ----	168.1	137.0
Payroll for year, all employees ¹	mil. dollars --	2 114.8	1 181.1
Production workers:			
Average for year.....	1,000 ----	121.6	101.3
March.....	do ----	119.3	96.6
May.....	do ----	120.6	100.7
August.....	do ----	122.3	102.8
November.....	do ----	123.9	105.0
Hours.....	millions ----	241.5	202.5
January to March.....	do ----	59.3	48.2
April to June.....	do ----	60.3	51.0
July to September.....	do ----	60.9	51.1
October to December.....	do ----	61.0	52.2
Wages.....	mil. dollars --	1 370.8	782.8
Cost of materials, etc. ²	do ----	10 783.0	5 237.8
Materials, parts, containers, etc., consumed.....	do ----	9 384.2	4 768.3
Resales.....	do ----	960.3	303.1
Fuels consumed.....	do ----	140.7	44.9
Purchased electric energy.....	do ----	127.4	43.6
Contract work.....	do ----	170.4	77.9
Value of shipments, including resales ²	do ----	15 987.3	8 062.5
Value of resales.....	do ----	1 109.0	370.0
Value added by manufacture.....	do ----	5 337.8	2 915.4
Manufacturers' inventories:			
Beginning of year.....	do ----	1 760.1	723.6
Finished products.....	do ----	580.8	260.9
Work in process.....	do ----	506.3	184.1
Materials, supplies, fuel, etc.	do ----	673.0	278.6
End of year.....	do ----	1 894.2	853.6
Finished products.....	do ----	602.5	286.4
Work in process.....	do ----	617.3	237.3
Materials, supplies, fuel, etc.	do ----	674.4	329.9
Capital expenditures for plant and equipment.....	do ----	371.7	210.0
New capital expenditures.....	do ----	345.4	199.2
New buildings and other structures.....	do ----	95.4	76.0
New machinery and equipment.....	do ----	250.0	123.2
Used capital expenditures.....	do ----	26.3	10.8

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies.

¹Including central administrative offices and auxiliaries (for definition, see appendix B).

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 3b. Supplemental State Statistics Based on Sample Estimates: 1977

(For explanation of terms, see appendix B. For description of annual survey of manufactures (ASM), see appendix F)

Item	Amount (million dollars)	Standard error of estimate (percent)	Item	Amount (million dollars)	Standard error of estimate (percent)
Gross value of depreciable assets:			Rental payments:		
Total:			Total.....	55.7	7
Beginning of year.....	3,152.2	1	Buildings and other structures.....	(20.9)	18
New capital expenditures.....	355.8	3	Machinery and equipment.....	34.7	4
Used capital expenditures.....	30.2	12			
Retirements.....	107.9	7	Depreciation charges during 1977:		
End of year.....	3,428.3	1	Total.....	211.6	3
Buildings and other structures:			Buildings and other structures.....	45.9	3
Beginning of year.....	1,003.2	1	Machinery and equipment.....	165.6	3
New capital expenditures.....	97.7	5			
Used capital expenditures.....	8.2	9	Supplemental labor costs:		
Retirements.....	30.9	6	Total.....	380.6	1
End of year.....	1,077.5	2	Legal costs.....	162.1	1
Machinery and equipment:			Voluntary costs.....	218.5	2
Beginning of year.....	2,148.9	1			
New capital expenditures.....	258.0	3	Purchased services:		
Automobiles, trucks, etc., for highway use...	6.9	(NA)	Cost of purchased services for the repair of--		
Computers and peripheral data processing equip.	2.3	(NA)	Buildings and other structures.....	(15.6)	55
All other.....	133.3	(NA)	Response coverage ratio (percent).....	65	(X)
New machinery and equipment, n.s.k.....	115.5	(NA)	Machinery.....	(78.7)	(A)
Used capital expenditures.....	(22.0)	15	Response coverage ratio (percent).....	66	(X)
Retirements.....	77.0	9	Cost of purchased communication services.....	(25.7)	(A)
End of year.....	2,350.6	1	Response coverage ratio (percent).....	67	(X)

Note: Expenditures data, shown in tables 2a, 3a, and 4-8, are census universe figures and may differ from ASM sample estimates shown in this table. Table 3b figures represent best estimate of year-to-year change as measured by continuing ASM sample, but are subject to sampling errors. Hence, as estimates of level, they are not as reliable as universe figures.

Figures in parentheses have standard errors of 15 percent or more. (X) Not applicable.

(NA) Not available. n.s.k. Not specified by kind.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area	E ¹	1977											1972	
		All establishments ²		All employees ²		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
		Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)						
Kansas	-	3 270	1 037	168.1	2 114.8	121.6	241.5	1 370.8	5 337.8	10 783.0	15 987.3	345.4	137.0	2 915.4
STANDARD METROPOLITAN STATISTICAL AREAS														
Kansas City, Mo.-Kans.	-	2 054	702	117.8	1 734.0	77.6	154.1	1 027.4	4 119.9	7 618.8	11 765.4	328.0	118.8	2 902.4
Portion in Missouri	-	1 432	467	81.5	1 214.9	52.6	102.3	698.8	2 820.1	4 657.6	7 492.6	236.7	87.2	1 986.8
Portion in Kansas	-	622	235	36.2	519.1	24.9	51.8	328.5	1 299.8	2 961.2	4 272.8	91.3	31.6	915.6
Lawrence	-	55	24	3.7	47.9	2.7	5.1	30.7	221.8	163.3	376.3	10.7	3.5	59.6
Topeka	-	175	51	10.6	143.8	8.2	16.4	107.0	452.3	453.3	901.5	19.4	9.5	234.2
Wichita	-	648	197	50.5	652.4	35.6	70.3	398.6	1 554.0	2 697.8	4 193.3	92.3	38.5	776.1
COUNTIES														
Allen	E1	27	10	1.4	14.6	1.1	2.0	9.7	39.9	34.1	77.1	1.6	0.9	15.3
Anderson	E1	14	4	0.3	1.8	0.2	0.3	1.2	4.0	5.8	9.6	0.3	0.2	2.6
Atchison	-	22	11	1.6	19.5	1.3	2.5	13.7	42.6	85.2	129.2	8.1	1.6	30.3
Barber	-	9	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Barton	-	43	16	2.2	23.0	1.5	3.0	14.0	42.5	108.6	151.2	2.4	1.1	15.6
Bourbon	-	27	11	0.8	7.5	0.7	1.3	5.4	14.0	26.8	40.5	0.7	0.8	9.9
Brown	E1	18	6	0.6	4.9	0.5	1.0	3.6	9.6	7.4	17.0	1.2	0.6	5.2
Butler	-	59	12	2.0	31.4	1.5	2.7	19.8	243.1	860.9	1 094.0	(D)	1.4	76.2
Chase	-	2	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Chautauqua	E1	4	-	(Z)	0.1	(Z)	(Z)	0.1	0.2	0.2	0.4	(Z)	(Z)	(NA)
Cherokee	E1	41	9	0.8	6.7	0.7	1.1	5.1	16.2	13.7	30.0	0.7	0.6	6.1
Cheyenne	E3	2	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Clark	E1	2	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Clay	-	14	4	0.9	7.9	0.7	1.3	5.7	17.4	31.0	48.6	0.8	0.6	4.5
Cloud	-	18	4	0.3	3.3	0.3	0.5	2.5	6.5	10.3	16.4	0.4	0.3	3.6
Coffey	E3	12	-	(Z)	0.4	(Z)	0.1	0.3	0.8	1.3	2.1	0.1	0.1	0.7
Comanche	E2	6	-	(Z)	0.3	(Z)	(Z)	0.2	0.7	0.6	1.3	(Z)	(D)	(D)
Cowley	-	46	21	2.7	36.0	1.9	4.0	24.6	102.3	411.0	519.3	3.4	2.0	47.4
Crawford	-	69	22	3.3	40.2	2.5	5.3	29.7	76.4	147.6	222.6	5.6	2.8	37.3
Decatur	E5	3	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.1	0.4
Dickinson	-	36	7	0.5	5.2	0.4	0.6	3.3	10.3	31.2	42.6	1.0	0.5	7.7
Doniphan	-	10	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Douglas	-	55	24	3.7	47.9	2.7	5.1	30.7	221.8	163.3	376.3	10.7	3.6	62.5
Edwards	-	11	1	0.3	2.5	0.1	0.3	1.3	3.6	6.7	10.7	0.2	0.2	2.0
Elk	E0	3	-	(Z)	0.1	(Z)	(Z)	(Z)	0.2	0.2	0.4	(D)	(D)	(D)
Ellis	-	27	6	1.3	10.5	1.1	2.1	8.3	29.7	16.4	45.5	1.0	0.2	3.3
Ellsworth	-	9	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.6	7.6
Finney	-	48	12	0.9	11.8	0.7	1.5	8.1	21.5	141.2	163.1	2.0	0.7	14.7
Ford	-	42	15	1.2	13.2	0.7	1.3	7.1	48.7	115.0	162.2	2.8	1.1	24.7
Franklin	-	30	13	1.2	10.3	0.9	1.7	7.5	23.5	28.5	51.7	1.2	1.0	10.5
Geary	-	17	6	0.9	6.8	0.6	1.3	4.8	10.8	31.2	41.6	0.4	0.5	7.0
Gove	E1	5	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Graham	-	2	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Grant	-	11	3	0.4	5.0	0.3	0.6	3.3	11.7	17.2	30.1	0.8	0.4	7.9
Gray	E0	6	-	(Z)	0.2	(Z)	(Z)	0.1	0.4	0.4	0.8	(Z)	(D)	(D)
Greeley	E2	3	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Greenwood	-	12	-	(Z)	0.4	(Z)	(Z)	0.2	0.8	1.4	2.2	0.1	(D)	(D)
Hamilton	E0	3	-	(Z)	(Z)	(Z)	(Z)	(Z)	0.1	0.1	0.2	(Z)	(D)	(D)
Harper	E3	12	2	0.2	1.9	0.2	0.3	1.5	3.0	3.2	6.3	0.1	0.1	1.3
Harvey	-	53	28	3.1	34.2	2.2	4.3	20.8	105.7	111.3	214.6	2.4	3.5	64.3
Haskell	-	5	-	(Z)	0.2	(Z)	(Z)	0.1	0.5	2.1	2.6	(D)	(D)	(D)
Jackson	-	9	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Jefferson	E4	9	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Jewell	-	5	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Johnson	-	323	113	14.7	174.4	8.8	18.8	87.4	413.6	471.2	883.8	33.5	10.4	182.8
Kearny	-	5	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Kingman	-	12	4	0.2	2.3	0.2	0.3	1.5	5.0	4.1	9.0	0.4	0.2	3.1
Kiowa	E0	2	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Labette	-	54	27	3.0	27.8	2.0	3.5	15.2	54.4	46.9	101.0	1.3	3.4	41.0
Lane	E9	2	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Leavenworth	-	33	14	1.6	19.5	1.2	2.3	13.9	66.7	74.4	136.3	2.3	1.4	21.6
Lincoln	E1	7	1	(Z)	0.5	(Z)	0.1	0.3	1.0	0.9	1.9	(Z)	(Z)	(NA)
Linn	E2	11	2	0.2	1.4	0.2	0.3	1.2	2.8	2.2	5.0	0.2	0.1	0.7
Logan	E0	3	-	(Z)	(Z)	(Z)	(Z)	(Z)	0.1	(Z)	0.1	(Z)	(D)	(D)
Lyon	-	34	14	4.4	62.0	2.9	6.2	41.0	157.2	965.2	1 119.7	3.3	(D)	(D)
McPherson	-	82	23	2.3	28.2	1.6	3.1	17.1	107.3	333.2	397.3	8.4	1.9	27.8
Marion	E1	28	5	0.3	3.3	0.2	0.4	2.0	5.2	28.9	34.1	0.4	0.3	4.4
Marshall	-	11	3	0.3	3.4	0.2	0.5	2.6	10.5	7.8	17.9	(D)	0.2	4.4
Meade	E2	8	1	(Z)	0.3	(Z)	(Z)	0.2	0.6	0.6	1.2	(Z)	0.1	0.9
Miami	E1	19	8	0.8	8.3	0.6	0.9	6.1	12.4	14.0	26.6	0.6	0.6	8.3
Mitchell	-	15	3	0.3	3.2	0.2	0.4	2.0	7.6	12.3	19.4	0.2	0.2	3.4
Montgomery	-	80	39	5.8	62.9	4.5	8.4	40.8	133.9	349.8	463.8	21.2	4.4	71.6
Morris	-	14	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.1	1.4
Morton	-	4	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Nemaha	E8	20	5	0.4	4.0	0.3	0.6	2.5	9.6	36.8	44.4	(D)	(D)	(D)
Neosho	-	50	23	2.1	21.6	1.6	3.2	14.1	49.9	67.6	117.6	2.4	1.7	26.5
Ness	E1	3	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(Z)	(NA)
Norton	E2	6	1	0.1	0.6	0.1	0.1	0.4	1.7	1.3	3.0	(D)	(Z)	(NA)
Osage	-	14	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Osborne	E5	14	-	0.1	1.0	0.1	0.1	0.7	1.8	4.1	6.1	0.4	0.1	1.9
Ottawa	E2	7	-	(Z)	0.2	(Z)	(Z)	0.1	0.4	1.2	1.6	(Z)	(D)	(D)
Pawnee	E1	18	2	0.2	1.5	0.1	0.3	1.3	2.1	3.1	5.1	0.2	0.1	2.1
Phillips	-	6	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Pottawatomie	-	20	4	0.3	3.3	0.2	0.5	2.0	8.5	10.8	19.4	0.4	0.2	2.2

See footnotes at end of table.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area	1977											1972		
	E ¹	All establishments ²		All employees ²		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
		Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)						
COUNTIES—Con.														
Pratt	E2	14	4	0.3	2.6	0.2	0.4	1.6	6.0	7.0	13.1	0.2	0.2	2.9
Rawlins	E2	4	-	(Z)	0.2	(Z)	(Z)	0.2	0.4	1.9	2.3	(Z)	(D)	(D)
Reno	-	128	44	7.4	88.4	5.3	10.3	56.4	175.6	218.5	392.6	14.2	5.8	96.3
Republic	E3	13	2	0.2	1.4	0.1	0.2	0.9	3.2	2.2	5.4	0.3	0.1	1.4
Rice	-	15	4	0.4	5.3	0.3	0.6	3.4	17.3	13.7	30.9	(D)	0.4	6.0
Riley	-	26	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.3	3.4
Rooks	-	7	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Rush	-	10	3	0.1	1.1	0.1	0.2	0.7	2.8	8.3	11.1	(D)	(Z)	(NA)
Russell	-	15	2	0.3	2.8	0.2	0.4	1.8	5.2	7.6	12.7	0.1	0.1	1.8
Saline	-	82	22	4.0	46.5	3.3	6.5	35.9	107.9	140.4	243.2	13.1	2.1	47.5
Scott	-	4	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.1	1.1
Sedgwick	-	589	185	48.5	621.0	34.1	67.6	378.7	1 310.9	1 836.8	3 099.3	(D)	37.2	700.0
Seward	-	21	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Shawnee	-	152	48	10.2	140.4	7.9	15.7	104.0	449.5	440.1	885.5	19.0	9.2	231.1
Sheridan	E0	3	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Sherman	-	7	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Smith	-	8	1	0.1	1.3	0.1	0.2	0.9	2.9	3.0	6.0	0.1	0.1	1.4
Stafford	E7	8	-	(Z)	0.6	(Z)	0.1	0.4	1.5	5.0	6.5	0.1	(Z)	(Z)
Stanton	-	2	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Stevens	E0	1	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Sumner	-	39	12	0.9	11.1	0.7	1.5	7.9	20.5	34.8	54.4	1.4	0.7	9.3
Thomas	E2	13	2	0.1	1.1	0.1	0.1	0.6	-0.5	1.7	3.7	0.1	0.1	1.3
Trego	E3	5	-	(Z)	0.3	(Z)	(Z)	0.2	0.6	0.4	1.0	(Z)	(Z)	(NA)
Wabaunsee	-	3	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Wallace	E0	1	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Washington	E5	10	1	(Z)	0.4	(Z)	(Z)	0.1	0.8	0.5	1.3	(Z)	(Z)	(NA)
Wichita	E1	3	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Wilson	-	37	9	1.3	13.6	1.0	1.8	8.9	25.7	112.6	139.0	2.4	1.0	16.7
Woodson	-	4	1	0.1	0.7	0.1	0.2	0.6	1.1	2.9	4.2	(D)	(D)	(D)
Wyandotte	-	299	122	21.6	344.7	16.1	33.0	241.2	886.2	2 490.0	3 389.0	57.8	21.2	732.8
CITIES														
Arkansas City	-	22	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.2	36.4
Atchison	-	22	11	1.6	19.5	1.3	2.5	13.7	42.6	85.2	129.2	8.1	(D)	(D)
Baxter Springs	-	15	5	0.5	4.0	0.5	0.7	3.0	8.7	6.9	15.9	0.2	(NA)	(NA)
Bonner Springs	-	18	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Chanute	-	37	18	1.8	17.4	1.2	2.4	10.7	31.5	57.1	88.2	(D)	1.4	16.9
Clay Center	-	12	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Coffeyville	-	39	20	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.3	34.2
Dodge City	-	37	13	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.9	17.5
El Dorado	-	23	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Emporia	-	29	12	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Fort Scott	-	26	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Garden City	-	43	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Great Bend	-	30	12	1.2	13.1	0.8	1.6	8.7	22.0	71.0	92.7	1.7	(D)	(D)
Hays	-	20	4	1.2	10.0	1.1	2.1	8.0	29.0	15.0	43.4	1.0	(NA)	(NA)
Hiawatha	-	10	3	0.5	3.5	0.4	0.8	2.7	6.4	4.8	11.3	(D)	(NA)	(NA)
Hutchinson	-	100	36	6.3	74.9	4.4	8.6	46.5	138.1	157.4	295.6	12.0	5.1	80.9
Independence	-	25	12	2.2	18.5	1.8	3.5	14.3	40.8	41.3	81.0	3.1	(D)	(D)
Iola	E1	20	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	6.9
Junction City	-	16	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Kansas City	-	274	114	20.2	330.0	15.0	30.9	230.5	849.8	2 446.9	3 312.2	47.5	20.4	715.5
Lawrence	-	49	21	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Leavenworth	-	27	13	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Lenexa	-	51	35	3.5	45.0	2.1	4.2	23.6	105.3	75.0	179.7	5.4	2.8	43.5
Liberal	-	21	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
McPherson	-	36	17	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Manhattan	-	25	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Merriam	-	39	10	1.9	22.8	0.4	2.3	3.7	79.9	180.3	263.2	3.0	0.5	6.0
Mission	E2	24	4	0.5	7.2	0.1	0.3	1.2	6.4	3.5	9.2	0.5	(D)	(D)
Neodesha	-	17	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Newton	-	34	19	1.1	10.0	0.8	1.7	7.0	22.8	57.1	80.4	1.1	1.6	30.8
Olathe	-	60	24	4.5	53.7	3.5	7.1	36.7	122.1	129.2	253.8	14.7	2.9	49.7
Ottawa	-	22	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.0	9.7
Overland Park	E1	52	14	1.9	17.2	1.2	2.1	8.1	30.0	20.5	49.4	1.2	1.6	22.6
Paola	-	10	6	0.5	5.3	0.4	0.6	3.7	8.9	10.4	18.4	0.5	(NA)	(NA)
Parsons	-	30	15	1.2	9.8	1.0	1.6	7.2	17.2	19.2	36.1	1.0	(D)	(D)
Pittsburg	-	58	18	2.9	35.4	2.1	4.5	26.3	64.2	123.8	187.0	5.3	2.2	30.0
Salina	-	77	20	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.4	27.4
Shawnee	-	21	8	0.9	14.5	0.6	1.2	6.3	32.9	25.9	58.6	4.6	0.6	12.8
Topeka	-	139	44	6.3	77.0	4.6	8.9	51.3	257.4	249.8	504.2	13.5	(D)	(D)
Wellington	-	18	10	0.8	9.3	0.6	1.3	6.8	16.8	31.9	48.5	0.8	0.5	6.8
Wichita	-	483	159	28.9	351.6	19.5	39.4	202.9	799.7	1 421.1	2 213.1	50.3	23.2	426.1
Winfield	-	16	8	0.9	8.0	0.7	1.2	5.7	22.6	24.1	45.6	1.5	0.5	6.9

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Including central administrative offices and auxiliaries (for definition, see appendix B).

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	E ¹	1977											1972	
			All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	All Industries -----	-	3 270	1 037	168.1	2 114.8	121.6	241.5	1 370.8	5 337.8	10 783.0	15 987.3	345.4	137.0	2 915.4
20	Food and kindred products -----	-	363	143	20.0	260.7	13.7	29.6	173.4	681.0	3 244.7	3 934.6	41.8	18.9	437.9
201	Meat products -----	-	82	27	7.1	105.7	5.9	13.3	84.6	221.0	2 040.4	2 258.2	10.9	6.8	138.9
2011	Meat packing plants -----	-	64	15	5.2	80.0	4.4	10.3	66.1	163.1	1 793.3	1 954.1	7.7	5.4	120.2
2013	Sausages and other prepared meats -----	-	14	10	1.6	24.0	1.3	2.6	17.4	53.7	223.5	276.5	(D)	1.0	13.4
2017	Poultry and egg processing --	-	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
202	Dairy products -----	E2	41	16	1.9	21.3	0.8	1.7	9.7	40.0	170.8	210.2	3.8	2.5	40.7
2022	Cheese, natural and processed -----	E1	10	2	0.2	1.8	0.2	0.3	1.2	1.0	32.3	33.1	0.2	0.2	4.1
2026	Fluid milk -----	-	27	13	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.9	30.8
203	Preserved fruits and vegetables -----	-	9	4	1.2	13.7	1.1	2.5	12.7	23.9	66.5	90.3	1.5	CC	(D)
2032	Canned specialties -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2035	Pickles, sauces, and salad dressings -----	-	5	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2038	Frozen specialties -----	-	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
204	Grain mill products -----	-	109	43	3.5	45.4	2.5	5.6	30.9	156.4	535.4	693.9	13.9	3.2	112.3
2041	Flour and other grain mill products -----	-	26	21	1.6	21.7	1.1	2.6	15.3	73.6	311.7	386.9	8.9	1.4	52.6
2047	Dog, cat, and other pet food -	-	8	5	0.7	9.8	0.5	1.1	7.0	50.4	65.2	114.8	1.5	CC	(D)
2048	Prepared feeds, n.e.c. -----	-	73	16	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.1	26.3
205	Bakery products -----	-	32	12	3.0	37.6	1.5	2.8	18.2	106.0	60.9	167.1	1.9	2.6	49.6
2051	Bread, cake, and related products -----	-	30	11	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2052	Cookies and crackers -----	-	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
207	Fats and oils -----	-	18	8	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	24.8
2075	Soybean oil mills -----	-	4	4	0.2	2.7	0.2	0.4	1.9	9.2	234.2	250.3	1.1	0.2	21.7
2077	Animal and marine fats and oils -----	-	14	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	3.0
208	Beverages -----	-	32	25	1.7	18.8	0.7	1.5	6.5	65.4	77.8	143.0	6.8	1.5	25.2
2085	Distilled liquor, except brandy -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2086	Bottled and canned soft drinks -----	-	29	23	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
209	Miscellaneous foods and kindred products -----	-	38	7	1.0	11.4	0.7	1.2	6.1	44.1	40.7	85.6	1.1	1.1	25.5
2098	Macaroni and spaghetti -----	E3	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2099	Food preparations, n.e.c. -----	-	23	6	0.8	9.0	0.6	1.0	5.5	35.4	34.3	70.4	(D)	0.8	19.8
23	Apparel and other textile products -----	-	86	39	5.7	43.4	4.0	8.3	23.2	119.3	229.4	347.2	(D)	4.6	75.3
2311	Men's and boys' suits and coats -----	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
232	Men's and boys' furnishings --	-	18	13	3.2	26.3	1.9	4.7	10.6	84.1	186.0	269.0	(D)	2.0	47.9
2321	Men's and boys' shirts and nightwear -----	-	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2328	Men's and boys' work clothing -----	-	7	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2329	Men's and boys' clothing, n.e.c. -----	-	7	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
233	Women's and misses' outerwear -----	E1	12	9	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.4	15.5
2335	Women's and misses' dresses -----	E1	5	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2337	Women's and misses' suits and coats -----	E5	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2339	Women's and misses' outerwear, n.e.c. -----	-	4	3	0.3	1.8	0.3	0.4	1.4	2.4	2.9	5.1	(D)	BB	(D)
239	Miscellaneous fabricated textile products -----	-	52	13	1.0	7.7	0.8	1.4	5.1	19.9	33.6	53.4	(D)	0.6	7.2
2392	House furnishings, n.e.c. -----	E3	8	2	0.2	1.5	0.2	0.3	1.2	1.8	2.4	4.2	0.1	(NA)	(NA)
2394	Canvas and related products -----	-	9	2	0.2	1.1	0.1	0.2	0.7	2.3	2.0	4.3	(D)	0.2	1.8
2395	Pleating and stitching -----	-	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
24	Lumber and wood products -----	-	150	47	3.7	36.9	3.1	5.9	27.0	74.0	142.8	216.7	4.0	4.4	58.1
242	Sawmills and planing mills --	-	21	5	0.3	2.6	0.2	0.5	1.9	7.6	20.1	27.4	0.4	0.3	4.5
2421	Sawmills and planing mills, general -----	-	16	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	3.3
243	Millwork, plywood, and structural members -----	E1	58	14	1.1	9.7	0.9	1.7	7.4	18.8	15.8	35.3	1.3	0.8	8.8
2431	Millwork -----	E1	24	5	0.5	3.7	0.4	0.8	3.0	6.4	4.5	10.8	0.7	0.4	4.8
2434	Wood kitchen cabinets -----	E1	28	7	0.4	4.2	0.4	0.7	3.1	6.4	5.7	12.9	0.5	0.3	3.4
2439	Structural wood members, n.e.c. -----	E1	6	2	0.2	1.8	0.1	0.2	1.3	5.9	5.7	11.6	0.2	(NA)	(NA)
244	Wood containers -----	E1	18	6	0.2	2.2	0.2	0.4	1.6	4.4	4.3	8.7	0.1	(NA)	(NA)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B)															1972	
SIC code	Industry	1977											All employees ² (1,000)	Value added by manufacture (million dollars)		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)			New capital expenditures (million dollars)	
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)							
24	Lumber and wood products—Con.															
245	Wood buildings and mobile homes	-	25	19	1.9	20.3	1.5	2.9	14.6	39.4	88.9	128.1	1.8	3.0	42.0	
2451	Mobile homes	-	15	15	1.6	17.4	1.3	2.5	12.6	31.3	73.3	104.5	1.3	3.0	41.6	
2452	Prefabricated wood buildings	-	10	4	0.3	2.9	0.2	0.4	2.1	8.1	15.6	23.6	0.5	(NA)	(NA)	
249	Miscellaneous wood products	-	16	3	0.2	1.9	0.2	0.3	1.4	3.6	13.2	16.7	0.3	(NA)	(NA)	
2499	Wood products, n.e.c.	-	14	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)	
25	Furniture and fixtures	-	80	20	2.0	19.1	1.6	2.8	12.0	36.3	35.4	70.8	1.0	2.2	31.2	
251	Household furniture	-	39	8	1.0	7.9	0.9	1.4	4.9	14.8	16.9	31.7	(D)	1.1	16.2	
2511	Wood household furniture	E1	20	2	0.4	2.3	0.4	0.5	1.8	4.0	3.7	7.6	(D)	(NA)	(NA)	
2512	Upholstered household furniture	-	5	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	17.6	(D)	AA	(D)	
2515	Mattresses and bedsprings	-	12	4	0.4	4.1	0.3	0.6	2.0	7.8	9.8	(D)	(D)	0.8	11.9	
252	Office furniture	E1	3	3	0.3	3.2	0.2	0.4	2.0	6.2	6.4	12.3	(D)	BB	(D)	
2522	Metal office furniture	E2	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)	
254	Partitions and fixtures	-	18	4	0.4	4.8	0.3	0.6	3.2	8.8	8.1	16.2	(D)	CC	(D)	
2542	Metal partitions and fixtures	-	7	3	0.3	3.2	0.2	0.4	2.1	6.2	5.5	11.1	(D)	AA	(D)	
259	Miscellaneous furniture and fixtures	-	14	2	0.2	1.9	0.1	0.2	1.3	4.0	2.3	6.1	(D)	(NA)	(NA)	
2599	Furniture and fixtures, n.e.c.	-	10	2	0.2	1.8	0.1	0.2	1.2	3.6	2.0	5.5	0.2	(NA)	(NA)	
26	Paper and allied products	-	51	32	3.7	45.9	3.0	6.0	33.4	117.1	162.6	277.7	7.2	FF	(D)	
264	Miscellaneous converted paper products	-	34	19	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)	
2642	Envelopes	E2	5	4	0.2	2.1	0.1	0.3	1.6	4.8	3.6	8.5	0.1	AA	(D)	
2643	Bags, except textile bags	-	8	5	0.3	3.8	0.3	0.5	2.9	8.6	13.7	22.1	0.7	AA	(D)	
2648	Converted paper products, n.e.c.	-	14	5	0.9	9.2	0.7	1.3	7.2	44.3	33.4	74.5	0.6	CC	(D)	
265	Paperboard containers and boxes	-	15	12	1.8	23.5	1.4	2.8	16.0	46.2	83.5	131.1	5.3	EE	(D)	
2653	Corrugated and solid fiber boxes	-	6	6	1.0	13.8	0.7	1.4	8.8	26.4	43.6	69.6	(D)	EE	(D)	
2654	Sanitary food containers	-	2	2	0.5	6.4	0.4	0.8	4.6	13.2	27.6	41.1	(D)	BB	(D)	
2655	Fiber cans, drums, and similar products	-	3	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)	
27	Printing and publishing	-	594	113	13.3	144.9	9.7	17.6	98.4	468.8	206.8	671.2	18.7	11.8	153.6	
2711	Newspapers	E1	215	37	3.5	35.9	1.8	3.0	16.8	84.5	25.0	109.5	4.0	3.6	49.4	
2721	Periodicals	E1	27	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.3	4.7	
273	Books	-	20	11	1.6	12.9	1.3	2.2	9.6	29.3	14.6	44.9	0.8	0.5	6.5	
2732	Book printing	-	13	8	1.5	11.9	1.2	2.1	9.1	26.6	12.4	39.0	0.7	BB	(D)	
2741	Miscellaneous publishing	-	26	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.0	12.0	
275	Commercial printing	E1	252	36	3.1	36.5	2.5	4.5	27.3	65.7	39.7	105.0	3.7	3.1	42.0	
2751	Commercial printing, letterpress	E2	132	6	0.7	8.2	0.6	1.0	5.1	16.9	8.2	24.7	0.9	1.2	15.4	
2752	Commercial printing, lithographic	-	109	29	2.3	27.4	1.8	3.3	21.4	47.1	30.7	77.8	2.8	EE	(D)	
2761	Manifold business forms	-	14	10	1.2	13.8	1.0	2.0	9.7	26.4	24.1	50.4	1.9	1.0	14.2	
2771	Greeting card publishing	-	4	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)	
278	Blankbooks and bookbinding	-	10	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)	
2782	Blankbooks and looseleaf binders	-	5	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)	
2789	Bookbinding and related work	-	5	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)	
279	Printing trade services	E1	26	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)	
2795	Lithographic platemaking services	-	9	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)	
28	Chemicals and allied products	-	108	49	6.4	96.5	4.3	8.5	58.2	421.5	558.2	968.1	56.6	6.1	314.7	
281	Industrial inorganic chemicals	-	19	11	1.4	19.5	0.9	1.8	12.5	68.0	135.4	202.3	(D)	1.4	71.1	
2812	Alkalies and chlorine	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)	
2813	Industrial gases	-	10	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	38.5	
2819	Industrial inorganic chemicals, n.e.c.	-	6	4	0.5	7.6	0.4	0.8	4.8	35.1	45.1	80.7	(D)	BB	(D)	
283	Drugs	-	13	8	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.6	18.3	
2831	Biological products	-	7	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)	
2834	Pharmaceutical preparations	-	6	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)	

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
28	Chemicals and allied products—Con.														
284	Soaps, cleaners, and toilet goods -----	-	24	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2841	Soap and other detergents --	-	4	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2842	Polishes and sanitation goods -----	-	18	3	0.2	2.5	0.1	0.2	1.1	9.1	13.3	21.6	0.2	0.2	2.8
2851	Paints and allied products -----	-	7	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
286	Industrial organic chemicals ---	-	8	3	0.2	3.9	0.1	0.2	1.2	21.7	48.8	68.0	(D)	(NA)	(NA)
2869	Industrial organic chemicals, n.e.c. -----	-	6	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
287	Agricultural chemicals -----	-	13	6	1.0	15.4	0.7	1.4	9.5	70.2	91.2	156.8	(D)	0.8	29.2
2873	Nitrogenous fertilizers -----	-	3	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2879	Agricultural chemicals, n.e.c. -	-	6	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
289	Miscellaneous chemical products -----	-	22	11	1.3	17.3	0.9	1.9	11.4	51.8	45.2	96.7	10.1	1.2	29.0
2892	Explosives -----	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2899	Chemical preparations, n.e.c. -----	-	13	8	0.9	11.0	0.6	1.4	7.7	37.4	36.0	73.2	(D)	CC	(D)
29	Petroleum and coal products -----	-	33	19	4.1	70.5	2.8	5.8	46.6	362.1	2 345.2	2 667.1	54.2	3.3	165.3
2911	Petroleum refining -----	-	12	12	3.3	61.4	2.3	4.8	41.1	331.2	2 274.9	2 566.1	52.0	2.8	148.9
295	Paving and roofing materials ---	-	12	2	0.3	3.1	0.2	0.4	2.4	14.3	25.7	40.1	(D)	0.2	3.9
2952	Asphalt felts and coatings ---	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
299	Miscellaneous petroleum and coal products -----	-	9	5	0.5	6.0	0.3	0.6	3.1	16.6	44.6	60.9	(D)	0.3	12.4
2992	Lubricating oils and greases -	-	7	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.3	12.4
30	Rubber and miscellaneous plastics products -----	-	119	45	8.1	108.1	6.8	13.4	82.9	321.0	304.7	627.0	14.6	6.2	170.4
3011	Tires and inner tubes -----	-	1	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3041	Rubber and plastics hose and belting -----	-	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3079	Miscellaneous plastics products -----	-	106	42	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
32	Stone, clay, and glass products -----	-	259	61	7.2	98.8	5.7	11.2	73.9	300.1	214.9	512.9	33.7	6.7	159.2
3241	Cement, hydraulic -----	-	5	5	0.8	13.7	0.7	1.3	10.7	50.1	27.4	78.9	(D)	0.8	26.8
325	Structural clay products -----	-	7	5	0.5	5.7	0.4	0.8	3.7	13.0	7.0	19.7	1.1	0.6	8.9
3251	Brick and structural clay tile -	-	6	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3259	Structural clay products, n.e.c. -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
327	Concrete, gypsum, and plaster products -----	E1	195	36	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.2	37.7
3272	Concrete products, n.e.c. ---	E1	49	12	0.7	8.0	0.5	0.9	5.0	16.9	10.6	27.4	0.8	0.7	12.4
3273	Ready-mixed concrete-----	E1	133	21	1.4	16.9	1.0	1.8	10.7	33.5	54.3	87.7	6.5	1.0	18.1
3275	Gypsum products-----	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3281	Cut stone and stone products -	-	13	4	0.2	1.9	0.2	0.3	1.5	4.2	2.0	6.1	0.3	0.2	1.7
329	Miscellaneous nonmetallic mineral products -----	-	25	9	3.1	45.9	2.6	5.1	37.5	163.3	97.4	258.0	15.5	FF	(D)
3296	Mineral wool -----	-	5	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
33	Primary metal industries -----	-	56	29	3.2	38.1	2.7	5.3	27.4	78.4	94.9	173.5	9.0	EE	(D)
332	Iron and steel foundries -----	-	22	14	2.1	25.1	1.7	3.4	18.7	50.7	32.6	84.9	4.9	1.1	15.5
3321	Gray iron foundries -----	-	18	12	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3325	Steel foundries, n.e.c. -----	-	4	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
335	Nonferrous rolling and drawing -	-	6	5	0.4	4.8	0.3	0.8	3.0	13.7	37.4	49.7	(D)	BB	(D)
3357	Nonferrous wire drawing and insulating-----	-	3	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
336	Nonferrous foundries-----	-	16	6	0.5	5.2	0.5	0.8	4.0	8.4	7.5	15.6	0.5	BB	(D)
3361	Aluminum foundries-----	-	12	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3369	Nonferrous foundries, n.e.c. -	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]															
SIC code	Industry	1977											1972		
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
34	Fabricated metal products -----	-	290	107	9.4	110.2	6.6	12.4	65.2	243.8	287.6	525.6	12.4	8.7	145.2
341	Metal cans and shipping containers -----	-	7	3	0.3	4.3	0.2	0.5	3.6	12.1	22.5	34.6	0.8	BB	(D)
3412	Metal barrels, drums, and pails -----	-	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
342	Cutlery, hand tools, and hardware -----	-	18	5	0.6	5.9	0.4	0.9	3.8	15.9	21.8	37.2	(D)	0.7	12.7
3423	Hand and edge tools, n.e.c. -	-	10	4	0.5	4.8	0.4	0.7	2.9	13.1	16.7	29.5	(D)	BB	(D)
343	Plumbing and heating, except electric -----	E1	12	4	0.4	4.6	0.2	0.4	1.8	9.4	8.1	17.2	0.2	BB	(D)
3433	Heating equipment, except electric -----	E1	9	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
344	Fabricated structural metal products -----	-	161	72	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	4.5	71.3
3441	Fabricated structural metal --	-	37	19	1.2	14.5	0.9	1.8	9.1	33.2	40.1	68.7	1.4	1.3	22.3
3442	Metal doors, sash, and trim --	-	30	14	1.1	9.8	0.9	1.7	7.0	16.9	23.8	40.6	0.7	1.0	11.2
3443	Fabricated plate work (boiler shops) -----	-	26	14	1.9	25.2	1.3	2.4	14.8	53.0	57.2	113.0	1.8	1.1	14.7
3444	Sheet metal work -----	-	29	12	0.8	9.3	0.6	1.1	6.5	25.2	32.9	55.7	3.3	0.6	13.2
3446	Architectural metal work ----	E2	19	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.3	5.4
3448	Prefabricated metal buildings -----	-	12	4	0.6	6.4	0.4	0.8	3.7	14.2	24.9	40.3	0.5	(NA)	(NA)
3449	Miscellaneous metal work ---	-	8	5	0.4	3.6	0.2	0.3	1.7	6.5	14.5	20.7	0.1	AA	(D)
346	Metal forgings and stampings --	E2	13	7	0.3	3.3	0.2	0.4	2.1	9.2	10.4	19.7	0.4	(NA)	(NA)
3469	Metal stampings, n.e.c. -----	E3	8	6	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
347	Metal services, n.e.c. -----	E1	21	4	0.2	2.6	0.2	0.4	1.9	5.1	2.2	7.3	0.3	0.2	2.6
3471	Plating and polishing -----	-	16	4	0.2	2.1	0.2	0.3	1.6	4.1	1.4	5.5	(D)	(NA)	(NA)
348	Ordinance and accessories, n.e.c. -----	-	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3483	Ammunition, except for small arms, n.e.c. -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
349	Miscellaneous fabricated metal products -----	E2	48	11	0.8	9.2	0.5	0.9	4.7	19.9	24.3	42.7	1.1	0.9	21.7
3493	Steel springs, except wire ---	-	4	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3494	Valves and pipe fittings -----	E1	5	2	0.2	1.9	0.1	0.2	1.2	4.4	3.0	7.4	(D)	(NA)	(NA)
3499	Fabricated metal products, n.e.c. -----	E5	25	4	0.2	2.2	0.2	0.3	1.3	4.5	5.2	9.4	0.3	0.3	7.9
35	Machinery, except electrical -----	-	559	163	25.7	318.4	18.2	35.6	194.8	707.5	701.8	1 396.7	35.3	19.1	328.7
352	Farm and garden machinery ---	-	139	51	6.5	70.8	4.7	8.9	44.9	175.4	174.8	352.7	4.8	5.1	74.2
3523	Farm machinery and equipment -----	-	134	48	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	4.7	69.1
3524	Lawn and garden equipment -	-	5	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	5.1
353	Construction and related machinery -----	-	56	30	5.3	77.4	3.5	7.2	43.1	131.3	197.1	324.6	10.5	FF	(D)
3531	Construction machinery -----	-	16	8	1.5	20.9	1.0	1.9	11.7	44.8	60.4	106.0	2.9	CC	(D)
3532	Mining machinery -----	-	3	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3533	Oil field machinery -----	-	11	5	0.7	7.9	0.6	1.0	5.0	19.6	9.2	27.8	1.3	(NA)	(NA)
3535	Conveyors and conveying equipment -----	-	11	8	1.2	22.1	0.6	1.2	6.6	39.8	38.7	75.3	1.6	CC	(D)
3537	Industrial trucks and tractors -	-	8	4	0.4	4.5	0.2	0.5	2.3	7.3	11.5	18.7	(D)	(NA)	(NA)
354	Metalworking machinery -----	E1	47	8	0.7	8.8	0.5	1.0	5.5	15.1	10.9	26.4	1.1	CC	(D)
3542	Machine tools, metal forming types -----	-	5	3	0.3	3.2	0.2	0.4	1.8	6.6	5.9	12.1	(D)	(NA)	(NA)
3544	Special dies, tools, jigs, and fixtures -----	E2	33	2	0.2	2.9	0.2	0.4	2.2	4.4	1.8	6.2	0.4	CC	(D)
355	Special industry machinery -----	-	36	17	2.1	26.5	1.3	2.7	14.7	66.3	44.0	107.0	1.8	1.5	25.9
3551	Food products machinery -----	-	13	9	0.7	8.7	0.5	0.9	5.0	18.6	13.9	30.3	0.6	CC	(D)
3555	Printing trades machinery -----	-	9	4	0.7	10.3	0.4	0.9	5.4	22.4	16.6	37.3	(D)	CC	(D)
3559	Special industry machinery, n.e.c. -----	-	9	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	8.3
356	General industrial machinery ---	-	51	19	5.0	62.5	3.3	6.2	35.4	128.3	86.3	210.7	4.3	3.8	61.7
3561	Pumps and pumping equipment -----	-	9	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.5	42.2
3562	Ball and roller bearings -----	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3566	Speed changers, drives, and gears -----	-	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3569	General industrial machinery, n.e.c. -----	-	18	8	0.5	6.3	0.3	0.6	3.1	11.8	9.0	20.2	0.3	(NA)	(NA)
357	Office and computing machines -----	-	8	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3573	Electronic computing equipment -----	-	6	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
358	Refrigeration and service machinery -----	-	19	6	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3585	Refrigeration and heating equipment -----	-	11	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
359	Miscellaneous machinery, except electrical -----	E1	200	29	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3599	Machinery, except electrical, n.e.c. -----	E1	199	28	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.8	24.8

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
36	Electric and electronic equipment -	-	110	37	7.6	84.0	5.9	12.0	56.8	204.8	164.3	365.3	16.5	3.8	70.0
362	Electrical industrial apparatus -	-	10	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3621	Motors and generators -	-	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3623	Welding apparatus, electric -	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
363	Household appliances -	-	4	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3634	Electric housewares and fans -	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
364	Electric lighting and wiring equipment -	-	10	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3641	Electric lamps -	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
365	Radio and TV receiving equipment -	E2	11	2	0.4	3.6	0.2	0.4	1.4	4.9	5.6	10.1	0.2	(NA)	(NA)
3651	Radio and TV receiving sets -	E1	8	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
366	Communication equipment -	-	24	10	2.5	25.8	1.8	3.8	15.8	55.3	27.5	81.0	2.5	EE	(D)
3662	Radio and TV communication equipment -	-	21	9	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
367	Electronic components and accessories -	E4	33	8	0.6	5.9	0.5	0.9	3.4	10.6	8.5	19.1	0.5	1.0	11.2
3679	Electronic components, n.e.c. -	E5	25	4	0.4	3.5	0.3	0.6	2.0	6.4	4.7	11.0	0.3	0.9	9.7
369	Miscellaneous electrical equipment and supplies -	-	12	7	2.1	27.6	1.7	3.6	22.2	74.9	76.9	151.0	6.7	CC	(D)
3691	Storage batteries -	-	4	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3694	Engine electrical equipment -	-	5	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
37	Transportation equipment -	-	183	69	38.7	529.4	29.4	59.2	364.3	1 083.4	2 006.2	3 031.9	31.5	29.9	684.0
371	Motor vehicles and equipment -	-	62	25	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3711	Motor vehicles and car bodies -	-	7	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3713	Truck and bus bodies -	-	14	3	0.3	3.0	0.2	0.3	1.6	4.4	7.6	12.0	0.1	(NA)	(NA)
3714	Motor vehicle parts and accessories -	-	27	11	1.7	15.6	1.3	2.5	10.3	39.2	38.8	77.4	1.7	1.3	18.4
3715	Truck trailers -	-	9	5	0.4	4.1	0.3	0.7	2.9	8.4	9.6	17.7	0.2	(NA)	(NA)
3716	Motor homes produced on purchased chassis -	-	5	5	0.6	5.2	0.5	1.1	3.8	8.2	39.2	46.4	(D)	(NA)	(NA)
372	Aircraft and parts -	-	50	26	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3721	Aircraft -	-	8	6	21.3	253.1	16.3	33.9	179.6	562.7	528.7	1 052.6	11.4	FF	(D)
3728	Aircraft equipment, n.e.c. -	-	39	19	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
373	Ship and boat building and repairing -	-	13	4	0.4	3.7	0.3	0.6	2.5	6.8	13.0	19.3	(D)	0.7	13.0
3732	Boat building and repairing -	-	12	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3743	Railroad equipment -	-	4	2	0.2	3.7	0.1	0.2	1.6	6.5	3.1	9.0	(D)	EE	(D)
379	Miscellaneous transportation equipment -	-	32	12	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3792	Travel trailers and campers -	-	26	9	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.7	18.0
3799	Transportation equipment, n.e.c. -	-	6	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
38	Instruments and related products -	-	41	17	3.3	32.0	2.6	5.1	21.3	71.1	40.7	111.1	2.3	CC	(D)
3811	Engineering and scientific instruments -	-	9	4	0.5	4.9	0.3	0.6	2.8	10.4	5.2	16.1	0.7	0.2	3.6
382	Measuring and controlling devices -	-	9	3	0.3	3.1	0.2	0.4	1.9	8.5	3.7	11.9	(D)	(NA)	(NA)
3825	Instruments to measure electricity -	-	6	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
384	Medical instruments and supplies -	-	10	6	1.5	13.9	1.2	2.4	9.9	33.9	19.4	53.2	(D)	(NA)	(NA)
3841	Surgical and medical instruments -	-	3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3842	Surgical appliances and supplies -	-	5	3	0.3	3.0	0.2	0.3	1.6	4.2	5.2	9.3	(D)	(NA)	(NA)
3843	Dental equipment and supplies -	-	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3861	Photographic equipment and supplies -	-	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3873	Watches, clocks, and watchcases -	-	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

1977														1972	
SIC code	Industry	E1	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
39	Miscellaneous manufacturing industries -----	-	113	17	2.2	21.0	1.6	2.8	11.9	46.7	42.0	88.1	2.5	EE	(D)
394	Toys and sporting goods -----	E4	25	3	0.3	2.3	0.2	0.4	1.7	5.1	3.8	8.4	(D)	0.4	4.4
3949	Sporting and athletic goods, n.e.c. -----	E4	18	2	0.2	1.8	0.2	0.3	1.4	4.0	2.9	6.5	(D)	BB	(D)
395	Pens, pencils, office and art supplies -----	-	9	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3952	Lead pencils and art goods -----	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
399	Miscellaneous manufactures -----	-	61	9	1.4	13.8	1.0	1.7	7.0	29.6	30.3	60.2	(D)	CC	(D)
3991	Brooms and brushes -----	-	3	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3993	Signs and advertising displays -----	-	34	6	0.5	5.6	0.4	0.7	3.1	12.1	5.4	17.3	0.3	BB	(D)
-	Administrative and auxiliary -----	-	81	29	3.7	56.5	-	-	-	-	-	-	-	(NA)	(NA)

Total employment and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 Total employment: 50 employees.

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Statistics for some industry groups and industries are withheld to avoid disclosing figures for individual companies. However, for such industry groups and industries with 150 employees or more, number of establishments is shown and employment size range is indicated by one of the following symbols: AA—150 to 249 employees; BB—250 to 499 employees; CC—500 to 999 employees; EE—1,000 to 2,499 employees; FF—2,500 employees or more. Statistics for industry groups shown include data for all component industries, regardless of whether data are shown for individual industries in the group.
³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

includes industry groups and industries with 20 or more employees															
SMSA's, see appendix A. For explanation of terms, see appendix B)															
SIC code	SMSA and industry	1977											1972		
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Kansas City, Mo.-Kans., SMSA -----	-	2 054	702	117.8	1 734.0	77.6	154.1	1 027.4	4 119.9	7 618.8	11 765.4	328.0	118.8	2 902.4
20	Food and kindred products --	-	127	69	9.2	131.5	5.9	11.8	76.2	445.6	1 041.8	1 487.8	30.8	10.1	261.4
201	Meat products -----	-	22	11	1.3	21.6	1.0	1.9	14.9	48.4	183.8	232.1	(D)	1.5	20.5
2011	Meat packing plants -----	E2	11	4	0.3	4.1	0.2	0.4	2.7	7.9	43.5	51.2	0.7	0.9	13.4
202	Dairy products -----	-	10	4	0.5	8.9	0.4	0.8	5.2	14.8	41.9	56.3	(D)	0.8	19.2
204	Grain mill products -----	-	24	18	2.3	34.1	1.6	3.3	22.0	132.1	344.7	478.6	(D)	2.4	64.3
2041	Flour and other grain mill products -----	-	8	8	0.9	14.1	0.6	1.4	8.6	69.5	182.7	252.2	1.3	0.9	32.1
	Prepared feeds, n.e.c. -----	-	12	7	0.6	7.8	0.3	0.7	4.3	28.1	104.6	131.9	1.8	0.6	13.1
2048	Bakery products -----	-	16	9	2.3	32.1	1.5	2.8	19.2	73.0	54.7	127.9	(D)	2.2	49.1
205	Beverages -----	-	13	7	0.9	11.6	0.3	0.7	2.7	42.1	49.9	91.6	(D)	1.4	34.9
208	Miscellaneous foods and kindred products -----	-	26	13	1.3	16.0	0.7	1.5	7.2	88.3	251.0	338.5	(D)	1.3	46.1
23	Apparel and other textile products -----	-	89	38	6.0	54.4	4.1	8.5	29.0	138.9	246.9	384.0	3.6	5.7	95.2
233	Women's and misses' outerwear -----	-	28	18	2.8	23.7	2.4	3.9	17.5	39.3	28.5	67.8	(D)	3.0	33.7
2337	Women's and misses' suits and coats -----	-	14	11	1.7	15.6	1.5	2.1	10.7	27.1	21.4	48.5	0.2	1.6	16.9
2395	Pleating and stitching -----	-	5	3	0.4	3.5	0.3	0.5	2.0	13.9	32.1	45.5	(D)	(NA)	(NA)
24	Lumber and wood products --	E3	88	21	1.1	11.2	1.0	1.9	8.2	26.5	30.2	56.1	1.7	1.0	16.2
243	Millwork, plywood, and structural members -----	E5	46	11	0.7	7.0	0.6	1.1	5.2	14.2	14.1	28.2	0.8	0.5	9.5
25	Furniture and fixtures -----	-	53	16	1.3	14.8	1.0	2.0	8.7	31.5	29.5	60.6	0.4	1.5	24.7
251	Household furniture -----	-	24	5	0.5	6.0	0.5	0.9	3.1	13.3	15.1	28.3	0.1	0.7	12.4
2515	Mattresses and bedsprings -----	-	10	4	0.5	5.4	0.4	0.7	2.6	11.9	14.1	25.9	0.1	0.5	10.0
254	Partitions and fixtures -----	E1	16	5	0.3	3.3	0.2	0.5	2.4	5.2	4.4	9.5	0.1	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977											1972		
		E1	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expendi- tures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Kansas City, Mo.-Kans., SMSA—Con.														
26	Paper and allied products ---	-	60	42	4.6	59.0	3.6	7.2	40.7	114.0	179.6	296.3	8.8	4.8	73.7
2643	Bags, except textile bags ---	E1	7	5	0.6	6.5	0.5	1.0	4.5	14.2	27.8	41.9	0.8	0.5	6.7
265	Paperboard containers and boxes ---	-	27	21	2.6	33.9	2.0	3.9	23.4	60.9	110.9	173.9	5.3	2.9	45.1
2653	Corrugated and solid fiber boxes ---	-	15	12	1.0	13.6	0.7	1.4	8.5	25.4	49.5	74.4	1.6	1.2	18.0
2654	Sanitary food containers ---	-	4	4	1.0	13.5	0.8	1.6	10.2	22.4	42.7	66.1	(D)	1.1	19.0
27	Printing and publishing ---	-	421	87	13.8	186.2	6.8	12.7	80.8	314.9	228.8	606.4	14.9	16.3	332.6
2711	Newspapers ---	-	53	8	2.3	27.0	1.1	1.6	11.9	59.0	30.4	89.5	1.6	2.4	43.5
273	Books ---	E1	21	10	1.0	8.4	0.8	1.4	5.9	17.4	8.2	25.7	0.8	0.8	12.1
2732	Book printing ---	E1	15	8	0.9	7.9	0.7	1.3	5.8	15.0	7.4	22.5	0.7	0.6	7.8
2741	Miscellaneous publishing ---	-	21	5	1.0	10.0	0.4	0.8	5.2	31.8	6.6	37.4	0.2	0.6	8.8
275	Commercial printing ---	E1	217	37	3.1	41.4	2.1	4.3	26.2	69.1	49.9	119.0	5.1	2.8	46.6
2751	Commercial printing, letterpress ---	E3	115	10	0.8	9.6	0.6	1.1	6.1	17.3	10.3	27.6	1.0	(NA)	(NA)
2752	Commercial printing, lithographic ---	-	91	26	2.2	31.0	1.4	3.0	19.5	50.7	38.7	89.4	4.1	1.6	31.2
28	Chemicals and allied products ---	-	111	46	7.3	114.7	3.8	7.6	49.9	465.5	498.7	962.1	33.5	8.2	307.1
283	Drugs ---	-	23	10	1.8	29.1	0.8	1.6	7.5	102.4	35.9	133.9	7.4	1.3	53.7
2834	Pharmaceutical preparations ---	-	14	5	1.4	24.8	0.5	1.1	5.2	84.1	29.9	109.4	5.4	(NA)	(NA)
284	Soaps, cleaners, and toilet goods ---	-	28	10	1.7	30.6	1.1	2.3	19.0	190.5	233.2	424.2	(D)	1.9	169.1
2851	Paints and allied products ---	-	15	6	1.1	14.7	0.5	1.0	6.3	29.6	62.8	93.8	0.8	1.2	24.9
289	Miscellaneous chemical products ---	-	25	11	0.8	9.8	0.5	0.9	5.1	24.0	39.4	65.7	1.2	0.7	21.2
2893	Printing ink ---	E1	8	6	0.3	3.4	0.2	0.3	1.7	7.5	9.1	16.2	0.3	(NA)	(NA)
2899	Chemical preparations, n.e.c. ---	-	10	3	0.3	3.6	0.1	0.3	1.9	10.2	21.6	34.6	0.6	0.4	14.6
295	Paving and roofing materials ---	-	10	3	0.3	4.8	0.3	0.5	3.8	18.3	26.2	44.6	0.7	(NA)	(NA)
2952	Asphalt felts and coatings ---	-	5	3	0.3	4.3	0.2	0.5	3.5	17.6	21.4	39.1	(D)	0.3	7.9
299	Miscellaneous petroleum and coal products ---	-	7	4	0.3	3.9	0.2	0.3	1.9	12.0	29.7	41.5	0.5	(NA)	(NA)
2992	Lubricating oils and greases ---	-	7	4	0.3	3.9	0.2	0.3	1.9	12.0	29.7	41.5	0.5	(NA)	(NA)
30	Rubber and miscellaneous plastics products ---	-	93	43	3.7	35.4	3.2	6.2	26.2	75.2	75.5	150.1	9.5	(NA)	(NA)
3079	Miscellaneous plastics products ---	-	83	42	3.6	34.7	3.1	6.1	25.7	73.9	74.5	147.8	(D)	(NA)	(NA)
32	Stone, clay, and glass products ---	-	103	40	4.6	68.5	3.7	7.1	52.3	216.9	142.0	356.4	23.7	4.4	117.9
327	Concrete, gypsum, and plaster products ---	E1	66	25	1.3	17.4	0.9	1.7	11.1	37.3	42.5	79.6	5.0	1.2	26.0
3272	Concrete products, n.e.c. ---	E1	28	10	0.5	6.9	0.4	0.8	4.4	15.7	10.5	26.1	1.1	0.4	7.8
3273	Ready-mixed concrete ---	E2	31	14	0.7	9.3	0.5	0.9	6.3	18.3	29.0	47.3	3.8	0.7	15.6
33	Primary metal industries ---	-	41	20	5.6	101.2	4.3	8.1	70.1	181.9	204.3	384.8	(D)	5.9	133.4
332	Iron and steel foundries ---	-	8	6	0.6	7.6	0.5	0.9	5.6	18.4	15.6	34.2	0.6	0.4	7.2
34	Fabricated metal products ---	-	197	71	13.0	190.2	8.3	15.5	102.6	348.3	199.7	545.9	11.5	15.4	242.3
344	Fabricated structural metal products ---	-	76	32	3.3	45.6	2.2	4.3	25.0	114.9	119.2	232.9	2.6	2.9	57.8
3441	Fabricated structural metal ---	-	19	11	1.0	14.9	0.7	1.5	7.8	31.9	31.0	60.4	0.6	1.0	21.3
3442	Metal doors, sash, and trim ---	-	11	5	0.3	3.1	0.2	0.4	1.6	5.3	6.6	11.9	0.3	(NA)	(NA)
3443	Fabricated plate work (boiler shops) ---	-	13	7	0.6	9.4	0.4	0.8	5.0	23.0	23.3	49.3	0.7	0.5	7.5
3444	Sheet metal work ---	-	18	5	1.0	13.9	0.7	1.3	8.7	47.4	48.1	93.8	1.0	0.7	18.1
346	Metal forgings and stampings ---	E1	14	10	0.4	4.6	0.3	0.5	3.1	8.8	10.6	19.3	0.6	(NA)	(NA)
3469	Metal stampings, n.e.c. ---	E1	10	7	0.3	3.2	0.2	0.3	2.2	5.3	4.7	10.0	(D)	(NA)	(NA)
347	Metal services, n.e.c. ---	E1	36	8	0.5	5.4	0.4	0.7	3.6	11.1	4.8	15.7	(D)	0.4	6.7
3471	Plating and polishing ---	E1	25	6	0.3	3.4	0.2	0.5	2.2	6.1	2.6	8.7	(D)	0.3	4.9
349	Miscellaneous fabricated metal products ---	E1	34	9	0.6	7.6	0.5	1.0	4.6	15.1	13.0	27.9	1.4	0.5	11.9
3499	Fabricated metal products, n.e.c. ---	E1	20	5	0.3	3.5	0.2	0.5	2.1	6.7	5.6	12.2	0.4	(NA)	(NA)
35	Machinery, except electrical ---	-	274	65	8.6	126.9	6.0	11.3	74.7	298.7	280.8	576.6	14.9	8.0	190.9
3531	Construction machinery ---	-	9	7	1.1	17.0	0.7	1.4	9.1	30.3	42.9	74.3	1.9	1.1	22.7
355	Special industry machinery ---	-	32	11	0.6	7.9	0.4	0.8	4.6	16.0	11.1	27.4	0.5	0.5	10.0
3551	Food products machinery ---	-	9	6	0.3	3.5	0.2	0.4	2.2	7.1	5.6	12.4	0.1	0.3	4.6
356	General industrial machinery ---	-	24	4	0.8	11.4	0.5	1.0	6.6	25.8	19.2	44.9	1.2	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

[Includes industry groups and industries with 250 employees or more within SMSA's and SMSAs; excepted SMSA's, see appendix A. For explanation of terms, see appendix B]															1972	
SIC code	SMSA and industry	1977											All employ-ees (1,000)	Value added by manu-facture (million dollars)		
		E ¹	All estab-lishments		All employees		Production workers			Value added by manu-facture (million dollars)	Cost of mater-ials ² (million dollars)	Value of ship-ments ² (million dollars)			New capital expend-itures (million dollars)	
			Total (no.)	With 20 employ-ees or more (no.)	Num-ber (1,000)	Payroll (million dollars)	Num-ber (1,000)	Hours (mil.)	Wages (million dollars)							
35	Kansas City, Mo.-Kans., SMSA—Con. Machinery, except electrical —Con.															
358	Refrigeration and service machinery -----	-	19	8	1.1	15.1	0.7	1.3	8.6	24.8	27.2	50.7	0.4	0.8	34.9	
3585	Refrigeration and heating equipment -----	-	4	2	0.5	5.6	0.3	0.6	3.5	9.5	12.8	21.0	(D)	(NA)	(NA)	
359	Miscellaneous machinery, except electrical -----	E3	91	14	1.2	14.9	1.0	1.8	10.6	26.5	12.7	38.8	1.7	0.8	11.1	
3599	Machinery, except electrical, n.e.c. -----	E3	91	14	1.2	14.9	1.0	1.8	10.6	26.5	12.7	38.8	1.7	(NA)	(NA)	
36	Electric and electronic equipment -----	-	102	40	11.9	158.0	9.0	17.7	105.9	330.3	271.7	591.3	26.3	11.8	227.6	
364	Electric lighting and wiring equipment -----	-	11	5	0.9	7.9	0.7	1.3	5.2	17.1	17.0	33.7	0.8	1.0	13.3	
365	Radio and TV receiving equipment -----	-	8	3	0.4	3.9	0.3	0.6	2.9	7.0	13.6	20.4	0.3	(NA)	(NA)	
366	Communication equipment -----	-	15	6	3.0	33.2	2.0	4.1	17.4	72.0	34.6	104.0	(D)	(NA)	(NA)	
369	Miscellaneous electrical equipment and supplies -----	-	22	14	1.9	25.7	1.6	3.2	19.9	63.4	71.2	134.3	5.3	1.4	27.9	
3691	Storage batteries -----	-	5	4	0.9	16.9	0.7	1.6	14.2	44.9	49.5	95.3	(D)	0.7	16.0	
3694	Engine electrical equipment -----	-	12	7	0.8	6.8	0.7	1.2	4.4	16.1	19.1	34.0	(D)	0.6	10.8	
38	Instruments and related products -----	E1	34	15	1.9	19.4	1.3	2.5	11.1	37.9	27.2	64.2	1.6	1.1	14.3	
384	Medical instruments and supplies -----	-	11	4	0.5	6.1	0.3	0.6	3.2	9.6	8.3	18.3	0.4	(NA)	(NA)	
39	Miscellaneous manufacturing industries -----	E2	86	20	1.2	10.8	0.9	1.7	7.1	24.4	18.2	42.0	0.9	1.3	15.0	
394	Toys and sporting goods -----	E2	20	6	0.3	2.5	0.3	0.5	1.8	6.4	7.3	13.3	0.3	0.4	3.8	
399	Miscellaneous manufactures -----	E1	53	11	0.7	6.5	0.5	0.9	4.1	15.0	8.7	23.4	0.5	0.7	9.3	
3993	Signs and advertising displays -----	E3	23	6	0.3	3.5	0.2	0.4	2.1	6.2	3.5	9.6	0.1	0.3	4.2	
3999	Manufacturing industries, n.e.c. -----	E1	23	4	0.3	2.3	0.2	0.4	1.6	7.0	3.4	10.4	0.3	(NA)	(NA)	
-	Administrative and auxiliary -----	-	92	45	6.6	98.3	-	-	-	-	-	-	-	(NA)	(NA)	
275	Lawrence SMSA -----	-	55	24	3.7	47.9	2.7	5.1	30.7	221.8	163.3	376.3	10.7	3.5	59.6	
2752	Commercial printing -----	-	7	4	0.5	6.8	0.4	0.9	5.7	11.4	5.8	17.1	(D)	(NA)	(NA)	
2752	Commercial printing, lithographic -----	-	3	3	0.5	6.6	0.4	0.8	5.6	11.0	5.5	16.5	(D)	(NA)	(NA)	
204	Topeka SMSA -----	-	175	51	10.6	143.8	8.2	16.4	107.0	452.3	453.3	901.5	19.4	9.5	234.2	
204	Grain mill products -----	-	8	4	0.6	9.4	0.5	1.0	7.0	50.7	74.3	124.2	1.3	0.5	24.3	
20	Wichita SMSA -----	-	648	197	50.5	652.4	35.6	70.3	398.6	1 554.0	2 697.8	4 193.3	92.3	38.5	776.1	
20	Food and kindred products -----	-	46	24	3.5	41.6	2.0	4.2	24.6	90.9	538.5	635.9	6.0	3.4	67.8	
201	Meat products -----	-	11	5	1.3	18.8	1.1	2.4	15.5	30.4	348.2	378.8	3.0	0.9	21.7	
208	Beverages -----	-	6	4	0.3	3.5	0.1	0.2	0.8	9.8	9.5	19.3	(D)	0.3	4.6	
2086	Bottled and canned soft drinks -----	-	6	4	0.3	3.5	0.1	0.2	0.8	9.8	9.5	19.3	(D)	(NA)	(NA)	
209	Miscellaneous foods and kindred products -----	-	7	3	0.3	2.2	0.2	0.2	0.6	7.6	7.8	15.4	(D)	0.5	6.0	
23	Apparel and other textile products -----	-	13	4	0.3	2.8	0.3	0.5	1.8	4.7	4.5	9.3	0.1	(NA)	(NA)	
25	Furniture and fixtures -----	-	26	4	0.4	4.5	0.3	0.6	2.8	8.8	7.5	15.5	0.3	0.7	8.5	
27	Printing and publishing -----	-	97	20	2.0	26.4	1.3	2.3	15.6	53.7	28.2	82.4	2.7	1.9	29.2	
275	Commercial printing -----	-	49	7	0.7	9.0	0.6	1.0	7.0	15.4	9.9	24.9	1.1	0.7	9.0	
2752	Commercial printing, lithographic -----	-	22	6	0.5	7.2	0.4	0.7	5.8	10.8	8.5	19.2	(D)	0.4	5.4	
28	Chemicals and allied products -----	-	19	7	0.8	12.3	0.6	1.1	7.5	37.3	93.9	129.4	(D)	0.7	24.8	
30	Rubber and miscellaneous plastics products -----	-	26	11	0.9	8.3	0.8	1.6	5.7	19.2	20.2	39.4	1.5	(NA)	(NA)	
32	Stone, clay, and glass products -----	E1	38	7	0.4	4.6	0.2	0.5	2.2	11.3	13.1	24.3	0.6	0.5	13.8	
327	Concrete, gypsum, and plaster products -----	E1	26	6	0.3	3.7	0.2	0.3	1.5	7.0	9.7	16.7	0.6	0.3	5.3	
332	Iron and steel foundries -----	-	4	4	0.3	2.6	0.2	0.4	2.0	5.8	2.4	8.3	(D)	(NA)	(NA)	
3321	Gray iron foundries -----	-	4	4	0.3	2.6	0.2	0.4	2.0	5.8	2.4	8.3	(D)	(NA)	(NA)	
34	Fabricated metal products -----	E1	72	20	1.6	17.5	1.2	2.2	10.5	34.3	43.8	76.2	1.5	1.2	24.9	
344	Fabricated structural metal products -----	-	34	11	1.0	12.1	0.7	1.4	6.8	24.9	35.8	58.8	1.1	0.7	14.7	
3441	Fabricated structural metal -----	-	7	3	0.4	4.2	0.3	0.5	2.6	9.6	19.1	27.1	0.1	(NA)	(NA)	
35	Machinery, except electrical -----	-	137	36	6.7	80.7	5.0	9.8	52.7	216.7	211.2	428.0	12.3	4.9	105.8	

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Wichita SMSA—Con.														
36	Electric and electronic equipment -----	E1	17	4	0.6	8.1	0.4	0.9	4.4	13.8	8.2	21.7	0.5	0.3	4.7
38	Instruments and related products -----	-	18	6	1.2	12.1	0.9	1.7	7.8	25.4	13.1	38.8	1.3	0.6	8.9
39	Miscellaneous manufacturing industries ---	E1	24	4	0.3	2.4	0.2	0.4	1.5	5.4	4.0	9.3	0.3	0.4	6.0
-	Administrative and auxiliary --	-	11	7	1.1	21.6	-	-	-	-	-	-	-	(NA)	(NA)

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (S) Withheld because estimate did not meet publication standards.
 (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977											1972		
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
20	Allen County -----	-	27	10	1.4	14.6	1.1	2.0	9.7	39.9	34.1	77.1	1.6	0.9	15.3
	Atchison County -----	-	22	11	1.6	19.5	1.3	2.5	13.7	42.6	85.2	129.2	8.1	1.6	30.3
	Food and kindred products --	-	5	4	0.5	6.2	0.4	0.8	4.3	19.2	65.1	84.4	(D)	(NA)	(NA)
	Barton County -----	-	43	16	2.2	23.0	1.5	3.0	14.0	42.5	108.6	151.2	2.4	1.1	15.6
	Bourbon County -----	-	27	11	0.8	7.5	0.7	1.3	5.4	14.0	26.8	40.5	0.7	0.8	9.9
	Brown County -----	-	18	6	0.6	4.9	0.5	1.0	3.6	9.6	7.4	17.0	1.2	0.6	5.2
29	Butler County -----	-	59	12	2.0	31.4	1.5	2.7	19.8	243.1	860.9	1 094.0	(D)	1.4	76.2
	Petroleum and coal products -	-	5	4	1.1	23.5	0.8	1.7	15.3	228.9	842.8	1 061.3	(D)	(NA)	(NA)
	Cherokee County -----	-	41	9	0.8	6.7	0.7	1.1	5.1	16.2	13.7	30.0	0.7	0.6	6.1
	Clay County -----	-	14	4	0.9	7.9	0.7	1.3	5.7	17.4	31.0	48.6	0.8	0.6	4.5
	Cowley County -----	-	46	21	2.7	36.0	1.9	4.0	24.6	102.3	411.0	519.3	3.4	2.0	47.4
	Crawford County -----	-	69	22	3.3	40.2	2.5	5.3	29.7	76.4	147.6	222.6	5.6	2.8	37.3
35	Dickinson County -----	-	36	7	0.5	5.2	0.4	0.6	3.3	10.3	31.2	42.6	1.0	0.5	7.7
	Douglas County (Coextensive with Lawrence, Kans., SMSA; see table 6.)														
	Ellis County -----	-	27	6	1.3	10.5	1.1	2.1	8.3	29.7	16.4	45.5	1.0	0.2	3.3
	Finney County -----	-	48	12	0.9	11.8	0.7	1.5	8.1	21.5	141.2	163.1	2.0	0.7	14.7
	Ford County -----	-	42	15	1.2	13.2	0.7	1.3	7.1	48.7	115.0	162.2	2.8	1.1	24.7
	Machinery, except electrical --	-	10	6	0.6	5.2	0.3	0.5	2.9	10.0	11.4	22.0	0.7	0.6	8.4
	Franklin County -----	-	30	13	1.2	10.3	0.9	1.7	7.5	23.5	28.5	51.7	1.2	1.0	10.5

See footnotes at end of table.

Table 7. **Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.**

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies.
For explanation of terms, see appendix B]

SIC code	County and industry	1977											1972		
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
24	Geary County -----	-	17	6	0.9	6.8	0.6	1.3	4.8	10.8	31.2	41.6	0.4	0.5	7.0
	Harvey County -----	-	53	28	3.1	34.2	2.2	4.3	20.8	105.7	111.3	214.6	2.4	3.5	64.3
	Lumber and wood products --	-	7	5	0.5	5.2	0.4	0.8	3.8	12.9	27.0	40.1	0.6	0.7	10.7
	Johnson County -----	-	323	113	14.7	174.4	8.8	18.8	87.4	413.6	471.2	883.8	33.5	10.4	182.8
20	Food and kindred products --	-	8	5	0.5	7.5	0.2	0.5	2.0	27.1	24.6	51.7	(D)	(NA)	(NA)
27	Printing and publishing -----	-	67	17	2.1	24.6	1.7	3.2	17.6	60.7	29.1	88.6	2.3	1.7	24.6
273	Books -----	-	6	4	0.6	4.6	0.4	0.8	3.1	10.4	3.8	14.1	(D)	(NA)	(NA)
275	Commercial printing -----	-	33	8	0.6	6.4	0.4	0.7	3.5	12.1	6.8	19.1	0.7	0.6	11.7
28	Chemicals and allied products -----	-	17	10	0.9	13.0	0.5	1.0	5.3	40.8	42.7	77.9	(D)	0.5	12.7
283	Drugs -----	-	10	7	0.7	9.3	0.4	0.8	3.8	28.5	18.0	43.4	3.9	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	-	24	10	0.8	8.2	0.7	1.4	6.1	18.6	18.5	37.2	1.6	(NA)	(NA)
36	Electric and electronic equipment -----	-	36	12	3.5	40.1	2.7	5.7	28.0	102.1	72.4	174.4	6.6	2.7	41.6
-	Administrative and auxiliary --	-	22	11	1.5	20.7	-	-	-	-	-	-	-	(NA)	(NA)
	Labette County -----	-	54	27	3.0	27.8	2.0	3.5	15.2	54.4	46.9	101.0	1.3	3.4	41.0
23	Apparel and other textile products -----	-	5	4	0.7	3.8	0.6	0.9	3.2	5.5	5.6	10.9	(D)	0.6	2.8
34	Fabricated metal products ---	-	14	9	1.5	16.7	0.8	1.5	7.5	36.2	23.1	59.8	(D)	(NA)	(NA)
	Leavenworth County -----	-	33	14	1.6	19.5	1.2	2.3	13.9	66.7	74.4	136.3	2.3	1.4	21.6
	Lyon County -----	-	34	14	4.4	62.0	2.9	6.2	41.0	157.2	965.2	1 119.7	3.3	(D)	(D)
	McPherson County -----	-	62	23	2.3	28.2	1.6	3.1	17.1	107.3	333.2	397.3	8.4	1.9	27.8
35	Machinery, except electrical --	-	17	8	0.5	6.0	0.4	0.7	3.8	13.3	13.9	26.6	0.8	(NA)	(NA)
	Miami County -----	-	19	8	0.8	8.3	0.6	0.9	6.1	12.4	14.0	26.6	0.6	0.6	8.3
34	Fabricated metal products ---	-	6	6	0.6	6.8	0.4	0.6	5.0	10.2	12.2	22.5	0.4	(NA)	(NA)
	Montgomery County -----	-	80	39	5.8	62.9	4.5	8.4	40.8	133.9	349.8	463.8	21.2	4.4	71.6
	Neosho County -----	-	50	23	2.1	21.6	1.6	3.2	14.1	49.9	67.6	117.6	2.4	1.7	26.5
	Reno County -----	-	128	44	7.4	88.4	5.3	10.3	56.4	175.6	218.5	392.6	14.2	5.8	96.3
20	Food and kindred products --	-	20	9	1.5	19.6	1.0	2.1	12.1	42.0	90.7	131.4	2.6	1.2	21.5
28	Chemicals and allied products -----	-	8	4	0.6	6.1	0.4	0.9	4.4	19.7	14.8	34.2	(D)	0.5	10.3
35	Machinery, except electrical --	-	27	9	2.9	34.7	2.2	4.1	23.4	63.9	51.3	115.1	2.6	2.0	32.4
	Saline County -----	-	82	22	4.0	46.5	3.3	6.5	35.9	107.9	140.4	243.2	13.1	2.1	47.5
	Sedgwick County -----	-	589	185	48.5	621.0	34.1	67.6	378.7	1 310.9	1 836.8	3 099.3	(D)	37.2	700.0
20	Food and kindred products --	-	42	24	3.5	41.5	2.0	4.2	24.5	90.8	537.1	634.4	5.9	(NA)	(NA)
27	Printing and publishing -----	-	89	19	2.0	25.8	1.3	2.3	15.3	52.5	27.7	80.7	2.7	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	-	21	9	0.8	6.7	0.7	1.3	4.7	16.5	16.8	33.3	1.4	0.5	9.1
35	Machinery, except electrical --	-	124	34	6.5	78.5	4.8	9.6	51.5	213.6	209.1	422.3	12.1	4.9	105.6
36	Electric and electronic equipment -----	E1	17	4	0.6	8.1	0.4	0.9	4.4	13.8	8.2	21.7	0.5	(NA)	(NA)
37	Transportation equipment ---	-	54	23	27.9	366.5	20.4	40.9	234.2	748.5	606.8	1 306.1	16.7	19.6	368.4
-	Administrative and auxiliary --	-	11	7	1.1	21.6	-	-	-	-	-	-	-	(NA)	(NA)
	Shawnee County -----	-	152	48	10.2	140.4	7.9	15.7	104.0	449.5	440.1	885.5	19.0	9.2	231.1
	Sumner County -----	-	39	12	0.9	11.1	0.7	1.5	7.9	20.5	34.8	54.4	1.4	0.7	9.3
	Wilson County -----	-	37	9	1.3	13.6	1.0	1.8	8.9	25.7	112.6	139.0	2.4	1.0	16.7
	Wyandotte County -----	-	299	122	21.6	344.7	16.1	33.0	241.2	886.2	2 490.0	3 389.0	57.8	21.2	732.8
20	Food and kindred products --	-	28	16	2.1	29.5	1.5	3.0	18.8	92.1	191.1	284.0	(D)	2.9	59.7
26	Paper and allied products ---	-	15	12	1.4	17.9	1.1	2.3	13.0	35.4	71.2	108.0	4.0	1.5	25.8
265	Paperboard containers and boxes -----	-	10	8	1.2	15.7	1.0	2.0	11.4	30.7	63.9	96.0	(D)	1.3	23.2
28	Chemicals and allied products -----	-	28	14	2.0	34.4	1.4	2.7	21.8	192.6	253.8	447.7	(D)	2.0	167.4
32	Stone, clay, and glass products -----	-	19	15	3.1	49.0	2.6	5.0	39.2	166.8	98.5	263.7	18.7	3.1	87.7
34	Fabricated metal products ---	E1	30	14	1.2	16.4	0.8	1.7	9.9	39.5	39.0	74.9	2.0	1.4	34.4
36	Electric and electronic equipment -----	-	16	7	0.7	8.0	0.5	1.0	5.1	12.6	17.0	28.8	0.7	(NA)	(NA)

Note: "County" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
20	Atchison -----	-	22	11	1.6	19.5	1.3	2.5	13.7	42.6	85.2	129.2	8.1	(D)	(D)
	Food and kindred products --	-	5	4	0.5	6.2	0.4	0.8	4.3	19.2	65.1	84.4	(D)	(NA)	(NA)
	Baxter Springs -----	-	15	5	0.5	4.0	0.5	0.7	3.0	8.7	6.9	15.9	0.2	(NA)	(NA)
	Chanute -----	-	37	18	1.8	17.4	1.2	2.4	10.7	31.5	57.1	88.2	(D)	1.4	16.9
	Great Bend -----	-	30	12	1.2	13.1	0.8	1.6	8.7	22.0	71.0	92.7	1.7	(D)	(D)
	Hays -----	-	20	4	1.2	10.0	1.1	2.1	8.0	29.0	15.0	43.4	1.0	(NA)	(NA)
	Hiawatha -----	-	10	3	0.5	3.5	0.4	0.8	2.7	6.4	4.8	11.3	(D)	(NA)	(NA)
20	Hutchinson -----	-	100	36	6.3	74.9	4.4	8.6	46.5	138.1	157.4	295.6	12.0	5.1	80.9
	Food and kindred products --	-	10	5	0.8	11.0	0.5	1.1	6.1	16.5	42.1	58.6	1.0	(NA)	(NA)
37	Transportation equipment ---	-	4	3	0.5	5.0	0.3	0.7	3.0	10.6	7.5	18.1	0.2	(NA)	(NA)
	Independence -----	-	25	12	2.2	18.5	1.8	3.5	14.3	40.8	41.3	81.0	3.1	(D)	(D)
20	Kansas City -----	-	274	114	20.2	330.0	15.0	30.9	230.5	849.8	2 446.9	3 312.2	47.5	20.4	715.5
	Food and kindred products --	-	25	13	2.0	28.2	1.4	2.8	17.9	88.9	180.7	270.5	2.8	(NA)	(NA)
27	Printing and publishing -----	-	37	6	0.5	7.0	0.3	0.6	4.3	14.8	7.0	21.8	0.6	(NA)	(NA)
344	Fabricated structural metal products -----	-	10	5	0.5	6.5	0.3	0.6	3.2	16.7	13.4	27.2	0.4	(NA)	(NA)
36	Electric and electronic equipment -----	-	16	7	0.7	8.0	0.5	1.0	5.1	12.6	17.0	28.8	0.7	(NA)	(NA)
	Lenexa -----	-	51	35	3.5	45.0	2.1	4.2	23.6	105.3	75.0	179.7	5.4	2.8	43.5
--	Administrative and auxiliary --	-	6	4	0.6	7.2	-	-	-	-	-	-	-	(NA)	(NA)
	Merriam -----	-	39	10	1.9	22.8	0.4	2.3	3.7	79.9	180.3	263.2	3.0	0.5	6.0
--	Mission -----	-	24	4	0.5	7.2	0.1	0.3	1.2	6.4	3.5	9.2	0.5	(D)	(D)
	Newton -----	-	34	19	1.1	10.0	0.6	1.7	7.0	22.8	57.1	80.4	1.1	1.6	30.8
--	Olathe -----	-	60	24	4.5	53.7	3.5	7.1	36.7	122.1	129.2	253.8	14.7	2.9	49.7
	Overland Park -----	-	52	14	1.9	17.2	1.2	2.1	8.1	30.0	20.5	49.4	1.2	1.6	22.6
--	Paola -----	-	10	6	0.5	5.3	0.4	0.6	3.7	8.9	10.4	18.4	0.5	(NA)	(NA)
	Parsons -----	-	30	15	1.2	9.8	1.0	1.6	7.2	17.2	19.2	36.1	1.0	(D)	(D)
--	Pittsburg -----	-	58	18	2.9	35.4	2.1	4.5	26.3	64.2	123.8	187.0	5.3	2.2	30.0
	Shawnee -----	-	21	8	0.9	14.5	0.6	1.2	6.3	32.9	25.9	58.6	4.6	0.6	12.8
204	Topeka -----	-	139	44	6.3	77.0	4.6	8.9	51.3	257.4	249.8	504.2	13.5	(D)	(D)
	Grain mill products -----	-	6	4	0.6	9.2	0.4	1.0	6.9	50.1	72.4	121.8	1.3	(NA)	(NA)
	Wellington -----	-	18	10	0.8	9.3	0.6	1.3	6.8	16.8	31.9	49.5	0.8	0.5	6.8
	Wichita -----	-	483	159	28.9	351.6	19.5	39.4	202.9	799.7	1 421.1	2 213.1	50.3	23.2	426.1
20	Food and kindred products --	-	36	23	3.4	40.8	2.0	4.1	23.9	90.7	535.0	631.9	5.9	3.3	65.2
201	Meat products -----	-	8	5	1.3	18.7	1.1	2.4	15.4	30.2	346.6	376.9	3.0	(NA)	(NA)
27	Printing and publishing -----	-	78	17	1.8	24.2	1.2	2.0	14.4	48.3	26.6	75.8	(D)	1.7	27.4
275	Commercial printing -----	-	41	6	0.6	7.7	0.5	0.8	6.2	11.8	9.1	20.8	0.9	(NA)	(NA)
2752	Commercial printing, lithographic -----	-	20	6	0.5	7.1	0.4	0.7	5.8	10.6	8.4	19.0	(D)	(NA)	(NA)
28	Chemicals and allied products -----	-	13	3	0.6	9.4	0.4	0.8	6.0	25.1	79.8	102.6	(D)	(NA)	(NA)
34	Fabricated metal products ---	E1	53	14	1.2	14.4	0.9	1.7	8.6	28.7	37.5	64.5	1.3	0.9	17.0
344	Fabricated structural metal products -----	-	25	7	0.7	9.7	0.5	1.0	5.3	20.1	30.8	49.3	1.0	(NA)	(NA)
3728	Aircraft equipment, n.e.c. -----	E1	22	12	0.8	9.9	0.5	1.1	5.9	16.2	11.1	26.9	1.9	(NA)	(NA)
--	Administrative and auxiliary --	-	7	5	1.1	20.2	-	-	-	-	-	-	-	(NA)	(NA)
	Winfield -----	-	16	8	0.9	8.0	0.7	1.2	5.7	22.6	24.1	45.6	1.5	0.5	6.9

Note: "City" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
KANSAS	3270	363	-	4	86	150	80	51	594	108	33	119	10	259	56	290	559	110	163	41	113	81
1 TO 4 EMPLOYEES	1366	118	-	3	32	62	39	10	358	34	8	35	7	107	11	90	255	43	57	15	62	20
5 TO 9 EMPLOYEES	433	38	-	1	7	20	15	4	58	10	2	20	2	42	11	43	79	19	23	3	17	19
10 TO 19 EMPLOYEES	434	64	-	-	8	21	6	5	65	15	4	19	-	49	5	50	62	11	14	6	17	13
20 TO 49 EMPLOYEES	469	63	-	-	12	23	9	12	61	23	5	20	1	38	11	55	67	13	28	7	10	11
50 TO 99 EMPLOYEES	246	31	-	-	13	14	6	8	27	9	1	13	-	10	7	26	40	10	16	3	4	8
100 TO 249 EMPLOYEES	208	32	-	-	10	9	3	9	15	9	7	6	-	8	10	24	37	6	12	3	1	7
250 TO 499 EMPLOYEES	66	10	-	-	2	1	2	2	5	6	5	4	-	3	1	1	9	4	6	3	1	2
500 TO 999 EMPLOYEES	32	5	-	-	1	-	-	1	5	2	1	1	-	1	1	1	4	1	1	1	1	1
1000 TO 2499 EMPLOYEES	10	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2500 EMPLOYEES AND OVER	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-
ALLEN COUNTY	27	3	-	-	1	1	-	1	5	1	-	1	-	4	2	2	3	-	2	-	1	-
1 TO 19 EMPLOYEES	17	3	-	-	-	1	-	1	3	1	-	-	-	3	1	1	3	-	-	-	1	-
20 TO 99 EMPLOYEES	5	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	4	-	-	-	1	-	-	-	-	-	-	1	-	1	-	-	-	-	1	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANDERSON COUNTY	14	3	-	-	2	3	1	-	1	-	-	1	-	1	-	2	-	-	-	-	-	-
1 TO 19 EMPLOYEES	10	3	-	-	1	3	1	-	1	-	-	1	-	1	-	2	-	-	-	-	-	-
20 TO 99 EMPLOYEES	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ATCHISON COUNTY	22	5	-	-	2	-	1	1	2	1	-	-	-	1	3	2	3	-	-	1	-	-
1 TO 19 EMPLOYEES	11	1	-	-	1	-	1	1	1	1	-	-	-	1	2	-	3	-	-	-	-	-
20 TO 99 EMPLOYEES	8	3	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-
100 TO 249 EMPLOYEES	1	1	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BARBER COUNTY	9	-	-	-	-	-	-	-	2	-	-	-	-	2	-	-	3	-	2	-	-	-
1 TO 19 EMPLOYEES	8	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	3	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BARTON COUNTY	43	9	-	-	-	1	1	-	6	1	-	4	-	5	1	3	9	-	2	-	1	-
1 TO 19 EMPLOYEES	27	7	-	-	-	-	1	-	5	1	-	3	-	4	-	1	5	-	1	-	-	-
20 TO 99 EMPLOYEES	12	1	-	-	-	-	-	-	1	1	-	1	-	1	1	2	4	-	1	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BOURBON COUNTY	27	3	-	-	1	-	1	-	7	2	1	-	-	2	1	6	3	-	-	-	-	-
1 TO 19 EMPLOYEES	16	1	-	-	-	-	1	-	3	2	1	-	-	1	1	5	2	-	-	-	-	-
20 TO 99 EMPLOYEES	9	2	-	-	-	-	-	-	4	-	-	-	-	-	-	1	1	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BROWN COUNTY	18	2	-	-	1	3	-	-	3	-	-	-	-	1	-	2	6	-	-	-	-	-
1 TO 19 EMPLOYEES	12	1	-	-	1	2	-	-	3	-	-	-	-	1	-	1	4	-	-	-	-	-
20 TO 99 EMPLOYEES	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BUTLER COUNTY	59	4	-	-	1	3	2	-	8	2	5	5	-	5	-	4	13	-	2	3	2	-
1 TO 19 EMPLOYEES	47	4	-	-	1	3	2	-	7	1	1	3	-	4	-	3	11	-	2	3	-	-
20 TO 99 EMPLOYEES	4	-	-	-	-	-	-	-	1	1	2	1	-	1	-	1	1	-	-	-	-	-
100 TO 249 EMPLOYEES	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHASE COUNTY	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-
CHAUTAUQUA COUNTY	4	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	1	-	1	-	-	-
1 TO 19 EMPLOYEES	4	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	1	-	1	-	-	-
CHEROKEE COUNTY	41	2	-	-	3	2	1	-	6	2	-	-	-	7	-	5	8	2	2	-	1	-
1 TO 19 EMPLOYEES	32	2	-	-	-	2	1	-	6	1	-	-	-	6	-	4	1	2	2	-	1	-
20 TO 99 EMPLOYEES	7	-	-	-	2	-	-	-	-	-	-	-	-	1	-	1	1	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHEYENNE COUNTY	2	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	2	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
CLARK COUNTY	2	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	2	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977—Con.

(Major groups descriptions are: 20---food and kindred products; 21---tobacco manufactures; 22---textile mill products; 23---apparel and other textile products; 24---lumber and wood products; 25---furniture and fixtures; 26---paper and allied products; 27---printing and publishing; 28---chemicals and allied products; 29---petroleum and coal products; 30---rubber and miscellaneous plastics products; 31---leather and leather products; 32---stone, clay, and glass products; 33---primary metal industries; 34---fabricated metal products; 35---machinery, except electrical; 36---electric and electronic equipment; 37---transportation equipment; 38---instruments and related products; 39---miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																			39	CAO ²
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38		
CLAY COUNTY.	14	2	-	-	-	1	-	-	3	-	-	-	-	3	-	1	4	-	-	-	-	-
1 TO 19 EMPLOYEES.	10	1	-	-	-	1	-	-	3	-	-	-	-	3	-	1	2	-	-	-	-	-
20 TO 99 EMPLOYEES.	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLOUD COUNTY.	18	4	-	-	-	-	-	-	5	1	-	-	-	2	1	-	2	-	1	-	2	-
1 TO 19 EMPLOYEES.	14	3	-	-	-	-	-	-	4	1	-	-	-	1	1	-	1	-	-	-	-	-
20 TO 99 EMPLOYEES.	3	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COFFEY COUNTY.	12	1	-	-	-	2	1	-	4	-	-	-	-	3	-	-	-	-	1	-	-	-
1 TO 19 EMPLOYEES.	12	1	-	-	-	2	1	-	4	-	-	-	-	3	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	6	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1	3	-	-	-	-	-
250 EMPLOYEES AND OVER.	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COMANCHE COUNTY.	46	7	-	-	-	3	-	-	4	-	1	1	1	4	-	7	12	-	1	1	4	-
1 TO 19 EMPLOYEES.	25	4	-	-	-	1	-	-	2	-	-	-	-	3	-	3	9	-	-	-	2	-
20 TO 99 EMPLOYEES.	13	-	-	-	-	2	-	-	2	-	-	-	-	1	-	3	2	-	1	1	1	-
100 TO 249 EMPLOYEES.	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-
250 EMPLOYEES AND OVER.	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CRAMFORD COUNTY.	69	13	-	1	3	2	-	1	13	2	2	3	-	5	1	4	12	2	2	-	1	2
1 TO 19 EMPLOYEES.	47	9	-	1	1	1	-	1	9	1	2	2	-	3	-	3	9	1	2	-	1	2
20 TO 99 EMPLOYEES.	16	3	-	-	2	1	-	-	3	-	-	-	-	1	1	1	2	-	-	-	-	-
100 TO 249 EMPLOYEES.	3	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DECATUR COUNTY.	3	1	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	3	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
DICKINSON COUNTY.	36	6	-	-	1	1	-	1	10	1	-	-	1	2	-	2	7	1	1	-	1	1
1 TO 19 EMPLOYEES.	29	4	-	-	-	-	-	-	9	-	-	-	-	2	-	2	5	-	-	-	-	-
20 TO 99 EMPLOYEES.	6	2	-	-	1	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DONIPHAN COUNTY.	10	1	-	-	-	2	-	-	4	-	-	-	-	1	-	1	1	-	-	-	-	-
1 TO 19 EMPLOYEES.	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DOUGLAS COUNTY.	55	7	-	-	1	3	1	1	14	5	1	1	-	6	1	3	2	2	-	2	1	1
1 TO 19 EMPLOYEES.	31	5	-	-	1	1	1	1	8	2	1	1	-	4	1	1	1	1	-	1	1	1
20 TO 99 EMPLOYEES.	15	1	-	-	-	-	-	-	3	1	-	-	-	2	-	1	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	4	1	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	5	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
EDWARDS COUNTY.	11	2	-	-	-	-	-	-	1	-	-	-	-	3	-	-	2	-	2	-	-	-
1 TO 19 EMPLOYEES.	10	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ELK COUNTY.	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ELLIS COUNTY.	27	4	-	-	-	2	1	1	8	-	-	-	-	5	1	1	3	2	-	-	1	1
1 TO 19 EMPLOYEES.	21	3	-	-	-	-	-	-	7	-	-	-	-	5	1	1	3	-	-	-	-	-
20 TO 99 EMPLOYEES.	5	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ELLSWORTH COUNTY.	9	-	-	-	-	-	-	-	3	-	-	-	-	-	-	1	1	-	1	-	-	-
1 TO 19 EMPLOYEES.	6	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FINNEY COUNTY.	48	13	-	-	-	1	-	-	4	-	-	5	-	5	2	2	12	1	-	1	2	-
1 TO 19 EMPLOYEES.	36	9	-	-	-	-	-	-	3	-	-	3	-	5	1	1	8	-	-	-	-	-
20 TO 99 EMPLOYEES.	10	3	-	-	-	-	-	-	1	-	-	2	-	-	-	-	3	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FORD COUNTY.	42	12	-	-	-	1	1	2	5	2	-	2	-	2	-	-	1	4	-	1	2	-
1 TO 19 EMPLOYEES.	27	7	-	-	-	1	1	2	3	1	-	2	-	1	-	-	3	-	-	-	-	-
20 TO 99 EMPLOYEES.	11	4	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnote at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
FRANKLIN COUNTY.	30	1	-	-	2	5	2	2	3	-	-	1	-	1	-	-	7	1	-	1	3	1
1 TO 19 EMPLOYEES.	17	1	-	-	-	2	1	2	2	-	-	-	-	1	-	-	-	4	1	-	2	1
20 TO 99 EMPLOYEES.	10	-	-	-	1	2	-	-	1	-	-	1	-	-	-	-	2	-	-	1	1	-
100 TO 249 EMPLOYEES.	3	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
GEARY COUNTY.	17	3	-	-	-	-	-	-	6	-	-	-	-	1	1	-	2	-	2	-	2	-
1 TO 19 EMPLOYEES.	11	1	-	-	-	-	-	-	5	-	-	-	-	1	-	-	2	-	-	-	-	-
20 TO 99 EMPLOYEES.	3	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-
100 TO 249 EMPLOYEES.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GOVE COUNTY.	5	1	-	-	-	-	-	-	1	-	-	-	-	-	-	1	2	-	-	-	-	-
1 TO 19 EMPLOYEES.	4	1	-	-	-	-	-	-	1	-	-	-	-	-	-	1	1	-	-	-	-	-
20 TO 99 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRAHAM COUNTY.	2	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	2	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
GRANT COUNTY.	11	2	-	-	-	-	1	1	1	1	-	2	-	1	-	-	3	-	-	-	-	-
1 TO 19 EMPLOYEES.	8	2	-	-	-	-	1	1	1	1	-	1	-	1	-	-	2	-	-	-	-	-
20 TO 99 EMPLOYEES.	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
GRAY COUNTY.	6	1	-	-	-	-	-	-	2	-	-	-	-	2	-	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES.	6	1	-	-	-	-	-	-	2	-	-	-	-	2	-	-	1	-	-	-	-	-
GREELEY COUNTY.	3	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES.	3	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-
GREENWOOD COUNTY.	12	2	-	-	-	-	1	1	4	-	-	1	-	1	-	2	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	12	2	-	-	-	-	1	1	4	-	-	1	-	1	-	2	-	-	-	-	-	-
HAMILTON COUNTY.	3	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES.	3	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	1	-	-	-	-	-
HARPER COUNTY.	12	-	-	-	1	-	-	-	3	-	-	1	-	2	-	1	3	-	-	-	1	-
1 TO 19 EMPLOYEES.	10	-	-	-	1	-	-	-	3	-	-	1	-	2	-	1	2	-	-	-	1	-
20 TO 99 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HARVEY COUNTY.	53	1	-	-	1	7	3	1	7	-	-	3	-	5	-	10	11	-	4	-	-	-
1 TO 19 EMPLOYEES.	25	-	-	-	-	2	1	1	4	-	-	1	-	3	-	6	6	-	2	-	-	-
20 TO 99 EMPLOYEES.	21	1	-	-	1	1	1	1	3	-	-	2	-	2	-	3	3	-	2	-	-	-
100 TO 249 EMPLOYEES.	5	-	-	-	-	3	1	-	-	-	-	-	-	-	-	1	2	-	-	-	-	-
250 EMPLOYEES AND OVER.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HASKELL COUNTY.	5	2	-	-	-	-	-	-	1	-	-	-	-	1	-	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES.	5	2	-	-	-	-	-	-	1	-	-	-	-	1	-	-	1	-	-	-	-	-
JACKSON COUNTY.	9	1	-	-	-	-	-	-	4	-	-	-	-	1	-	-	2	-	1	-	-	-
1 TO 19 EMPLOYEES.	7	-	-	-	-	-	-	-	4	-	-	-	-	1	-	-	1	-	1	-	-	-
20 TO 99 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JEFFERSON COUNTY.	9	2	-	-	-	2	-	-	2	1	-	-	-	-	-	-	1	-	1	-	-	-
1 TO 19 EMPLOYEES.	8	2	-	-	-	1	-	-	2	1	-	-	-	-	-	-	1	-	1	-	-	-
20 TO 99 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JEWELL COUNTY.	5	1	-	-	-	1	-	-	2	-	-	-	-	1	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JOHNSON COUNTY.	323	8	-	-	14	14	3	6	67	17	3	24	1	13	1	17	43	36	5	7	22	22
1 TO 19 EMPLOYEES.	210	3	-	-	10	10	2	3	50	7	2	14	-	6	-	11	33	24	4	2	18	11
20 TO 99 EMPLOYEES.	83	3	-	-	2	4	1	3	11	8	-	9	1	7	-	4	8	9	1	2	4	6
100 TO 249 EMPLOYEES.	18	1	-	-	1	-	-	-	4	1	1	1	-	-	1	2	2	1	-	2	3	3
250 EMPLOYEES AND OVER.	12	1	-	-	1	-	-	-	2	1	-	-	-	-	-	-	-	3	-	1	-	2
KEARNY COUNTY.	5	2	-	-	-	-	-	-	1	-	-	-	-	1	-	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES.	5	2	-	-	-	-	-	-	1	-	-	-	-	1	-	-	1	-	-	-	-	-
KINGMAN COUNTY.	12	1	-	-	-	-	-	-	2	-	-	1	-	2	1	1	2	-	-	-	-	-
1 TO 19 EMPLOYEES.	8	1	-	-	-	-	-	-	1	-	-	-	-	2	1	1	2	-	-	-	-	-
20 TO 99 EMPLOYEES.	4	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977—Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber, except electrical; plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
KIOWA COUNTY	2	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	2	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
LABETTE COUNTY	54	-	-	-	5	2	1	1	12	2	-	3	-	4	1	14	2	-	4	-	1	2
1 TO 19 EMPLOYEES.	27	-	-	-	1	1	1	1	9	2	-	2	-	3	3	5	2	-	1	-	1	1
20 TO 99 EMPLOYEES.	19	-	-	-	2	-	-	-	3	-	-	1	-	1	1	5	-	-	3	-	-	-
100 TO 249 EMPLOYEES.	6	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
LANE COUNTY.	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
LEAVENWORTH COUNTY	33	4	-	-	-	1	1	3	8	-	-	1	-	1	2	4	2	2	1	-	3	3
1 TO 19 EMPLOYEES.	19	2	-	-	-	1	1	1	7	-	-	1	-	1	1	2	1	1	1	-	-	-
20 TO 99 EMPLOYEES.	9	1	-	-	-	1	-	-	1	-	-	-	-	1	-	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES.	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LINCOLN COUNTY	7	2	-	-	-	-	-	-	1	-	-	-	-	1	-	1	2	-	-	-	-	-
1 TO 19 EMPLOYEES.	6	2	-	-	-	-	-	-	1	-	-	-	-	1	-	1	2	-	-	-	-	-
20 TO 99 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LYNN COUNTY.	11	1	-	1	2	-	-	-	2	-	-	-	-	2	-	1	1	-	-	-	-	-
1 TO 19 EMPLOYEES.	9	1	-	1	-	-	-	-	2	-	-	-	-	2	-	1	1	-	-	-	-	-
20 TO 99 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	1	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	3	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
LOGAN COUNTY	3	-	-	-	-	-	-	-	7	-	-	-	-	2	-	2	4	-	3	-	5	5
1 TO 19 EMPLOYEES.	3	-	-	-	-	-	-	-	5	-	-	-	-	2	-	1	3	-	1	-	-	-
LYON COUNTY.	34	8	-	-	-	2	1	1	10	-	1	4	-	4	-	6	17	1	1	-	-	-
1 TO 19 EMPLOYEES.	20	2	-	-	-	1	1	2	9	-	-	3	-	2	-	4	9	1	-	-	-	-
20 TO 99 EMPLOYEES.	8	3	-	-	-	-	-	-	1	-	-	-	-	-	-	2	8	-	-	-	-	-
100 TO 249 EMPLOYEES.	2	1	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MC PHERSON COUNTY.	62	-	-	-	-	2	1	1	10	-	1	4	-	4	-	6	17	1	1	-	-	-
1 TO 19 EMPLOYEES.	39	8	-	-	-	1	1	2	9	-	-	3	-	2	-	4	9	1	-	-	-	-
20 TO 99 EMPLOYEES.	18	4	-	-	-	-	-	-	1	-	-	-	-	-	-	2	8	-	-	-	-	-
100 TO 249 EMPLOYEES.	2	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MARION COUNTY.	28	4	-	-	-	-	1	1	6	1	-	1	-	1	-	4	3	2	2	2	1	-
1 TO 19 EMPLOYEES.	23	3	-	-	-	-	-	-	6	-	-	1	-	-	-	3	2	1	-	-	-	-
20 TO 99 EMPLOYEES.	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
MARSHALL COUNTY.	11	-	-	-	-	-	-	-	3	-	-	-	-	4	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	8	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MEADE COUNTY	8	1	-	-	-	-	-	-	-	-	-	-	-	2	2	-	4	3	1	-	-	-
1 TO 19 EMPLOYEES.	7	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MIAMI COUNTY	19	-	-	-	2	1	1	-	4	-	1	-	-	1	-	6	3	3	-	-	-	-
1 TO 19 EMPLOYEES.	11	-	-	-	1	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	6	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MITCHELL COUNTY.	15	2	-	-	1	-	-	-	6	-	-	-	-	1	-	-	4	1	-	-	-	-
1 TO 19 EMPLOYEES.	12	2	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTGOMERY COUNTY.	80	8	-	-	3	6	3	3	13	1	1	3	-	3	2	9	16	2	2	6	-	-
1 TO 19 EMPLOYEES.	41	3	-	-	1	1	1	1	7	-	-	1	-	2	1	3	10	2	3	2	-	-
20 TO 99 EMPLOYEES.	25	5	-	-	2	1	1	1	4	-	-	-	-	-	-	-	5	2	1	3	-	-
100 TO 249 EMPLOYEES.	8	-	-	-	1	1	1	1	2	-	-	-	-	-	-	-	2	-	-	-	-	-
250 EMPLOYEES AND OVER	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977—Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																					
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's	
MORRIS COUNTY.	14	2	-	-	-	1	-	-	3	-	-	2	-	2	-	1	-	-	3	-	-	-	-
1 TO 19 EMPLOYEES.	11	1	-	-	-	1	-	-	3	-	-	1	-	2	-	1	-	-	2	-	-	-	-
20 TO 99 EMPLOYEES.	3	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
MORTON COUNTY.	4	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	1	-	1	-	-	-	-
1 TO 19 EMPLOYEES.	3	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	1	-	-	-	-
20 TO 99 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEMAH COUNTY.	20	5	-	-	-	1	-	-	3	-	-	-	-	4	-	-	5	-	1	-	-	1	-
1 TO 19 EMPLOYEES.	15	3	-	-	-	1	-	-	3	-	-	-	-	3	-	-	4	-	1	-	-	-	-
20 TO 99 EMPLOYEES.	4	2	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
NEOSHO COUNTY.	50	3	-	-	1	6	1	1	4	-	2	3	-	2	-	4	9	6	8	-	-	-	-
1 TO 19 EMPLOYEES.	27	3	-	-	-	3	1	1	3	-	-	2	-	1	-	2	6	2	4	-	-	-	-
20 TO 99 EMPLOYEES.	16	-	-	-	-	3	-	-	1	-	2	-	-	-	-	1	2	3	3	-	-	-	-
100 TO 249 EMPLOYEES.	6	-	-	-	1	-	-	-	-	-	-	1	-	1	-	1	1	1	1	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NESS COUNTY.	3	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	1	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	3	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-
NORTON COUNTY.	6	1	-	-	-	1	-	-	2	-	-	-	-	-	-	-	2	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	5	1	-	-	-	1	-	-	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OSAGE COUNTY.	14	1	-	-	1	-	1	1	7	1	-	-	-	2	-	-	-	-	-	-	-	1	-
1 TO 19 EMPLOYEES.	12	1	-	-	-	-	-	-	7	1	-	-	-	2	-	-	-	-	-	-	-	1	-
20 TO 99 EMPLOYEES.	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OSBORNE COUNTY.	14	4	-	-	-	-	-	-	3	-	-	-	-	1	1	-	3	-	-	-	-	2	-
1 TO 19 EMPLOYEES.	14	4	-	-	-	-	-	-	3	-	-	-	-	1	1	-	3	-	-	-	-	2	-
OTTAWA COUNTY.	7	1	-	-	-	2	-	-	2	-	-	-	-	1	-	-	-	-	1	-	-	-	-
1 TO 19 EMPLOYEES.	7	1	-	-	-	-	-	-	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-
PAWNEE COUNTY.	18	2	-	-	1	1	-	-	3	-	-	-	-	1	-	5	3	1	1	-	-	-	-
1 TO 19 EMPLOYEES.	16	1	-	-	1	1	-	-	3	-	-	-	-	1	-	4	3	1	1	-	-	-	-
20 TO 99 EMPLOYEES.	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
PHILLIPS COUNTY.	6	-	-	-	-	-	1	1	2	-	2	-	-	-	-	-	-	-	-	-	-	1	-
1 TO 19 EMPLOYEES.	3	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	2	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
POTTAWATOMIE COUNTY.	20	7	-	-	1	-	-	-	5	-	-	-	-	4	-	-	3	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	16	5	-	-	-	-	-	-	5	-	-	-	-	4	-	-	2	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	3	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PRATT COUNTY.	14	1	-	-	-	1	1	1	3	-	-	1	-	1	-	1	3	-	2	-	-	-	-
1 TO 19 EMPLOYEES.	10	1	-	-	-	1	1	-	2	-	-	1	-	1	-	1	1	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	4	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	2	-	-	-	-	-	-
RAWLINS COUNTY.	4	2	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	4	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RENO COUNTY.	128	20	-	-	4	12	2	3	15	8	-	1	-	7	2	14	27	2	5	-	3	-	-
1 TO 19 EMPLOYEES.	84	11	-	-	3	8	1	2	13	4	-	1	-	6	-	9	18	2	2	-	2	-	-
20 TO 99 EMPLOYEES.	24	2	-	-	1	3	1	1	1	1	-	-	-	1	2	4	7	1	1	-	1	-	-
100 TO 249 EMPLOYEES.	16	6	-	-	-	1	-	-	1	3	-	-	-	-	-	1	2	-	1	-	-	-	-
250 EMPLOYEES AND OVER.	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
REPUBLIC COUNTY.	13	3	-	-	-	-	-	1	2	-	-	1	-	3	2	-	-	-	-	1	-	-	-
1 TO 19 EMPLOYEES.	11	3	-	-	-	-	-	1	2	-	-	1	-	3	2	-	-	-	-	1	-	-	-
20 TO 99 EMPLOYEES.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RICE COUNTY.	15	3	-	-	-	-	-	-	3	2	-	-	1	1	-	1	3	-	-	1	-	-	-
1 TO 19 EMPLOYEES.	11	2	-	-	-	-	-	-	3	1	-	-	1	1	-	1	3	-	-	1	-	-	-
20 TO 99 EMPLOYEES.	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class	All es- tablish- ments	Establishments in major industry groups																		38	39	CAO's
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37			
RILEY COUNTY	26	2	-	-	-	1	-	-	9	-	-	-	-	6	-	2	1	-	1	3	1	-
1 TO 19 EMPLOYEES	21	2	-	-	-	1	-	-	6	-	-	-	-	5	-	2	1	-	1	3	1	-
20 TO 99 EMPLOYEES	4	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
ROOKS COUNTY	7	1	-	-	2	1	-	-	2	-	-	-	-	1	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	6	1	-	-	2	1	-	-	2	-	-	-	-	1	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	1	1	-	1	-	2	-	-	1	-	-	-	-	1
100 TO 249 EMPLOYEES	10	-	-	-	-	1	2	-	1	-	-	-	-	2	-	-	1	-	-	-	-	1
RUSH COUNTY	7	-	-	-	-	1	1	-	1	-	-	-	-	2	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	3	-	-	-	-	1	1	-	1	-	-	-	-	2	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	15	3	-	-	1	1	1	-	2	-	-	-	1	1	-	1	2	-	1	-	1	-
100 TO 249 EMPLOYEES	13	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RUSSELL COUNTY	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	15	-	-	-	-	1	1	-	2	-	-	-	-	1	-	7	24	8	4	1	4	2
20 TO 99 EMPLOYEES	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	17	4	3	1	3	2
100 TO 249 EMPLOYEES	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	3	2	-	-	-	-
SALINE COUNTY	82	9	-	-	1	3	4	-	7	1	2	-	-	4	-	7	24	8	4	1	4	2
1 TO 19 EMPLOYEES	60	5	-	-	1	3	3	-	6	1	2	-	-	3	-	6	17	4	3	1	3	2
20 TO 99 EMPLOYEES	14	3	-	-	1	1	1	-	1	-	-	-	-	1	-	1	3	2	-	-	-	-
100 TO 249 EMPLOYEES	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-	-	-
250 EMPLOYEES AND OVER	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SCOTT COUNTY	4	1	-	-	-	-	-	-	2	-	-	-	-	1	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	4	1	-	-	-	-	-	-	2	-	-	-	-	1	-	-	-	-	-	-	-	-
SEDGWICK COUNTY	589	42	-	1	12	14	24	4	89	17	4	21	2	33	15	68	124	17	54	15	22	11
1 TO 19 EMPLOYEES	404	18	-	1	8	11	20	2	70	11	1	12	2	27	7	49	90	13	31	9	18	4
20 TO 99 EMPLOYEES	134	14	-	-	3	3	3	1	15	5	1	6	-	6	7	17	23	3	15	3	4	5
100 TO 249 EMPLOYEES	30	6	-	-	1	1	1	-	3	1	1	3	-	-	-	2	6	1	3	1	-	1
250 EMPLOYEES AND OVER	21	4	-	-	-	-	-	-	1	1	1	-	-	-	-	-	5	1	5	2	-	-
SEWARD COUNTY	21	3	-	-	-	-	-	-	3	1	-	-	-	4	-	3	5	-	1	-	-	1
1 TO 19 EMPLOYEES	14	-	-	-	-	-	-	-	2	-	-	-	-	4	-	3	4	-	-	-	-	-
20 TO 99 EMPLOYEES	4	2	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
250 EMPLOYEES AND OVER	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHAWNEE COUNTY	152	26	-	1	4	9	4	-	37	2	-	4	-	13	2	16	14	4	1	2	7	6
1 TO 19 EMPLOYEES	104	13	-	1	3	8	2	-	26	2	-	2	-	10	1	10	4	4	1	2	7	4
20 TO 99 EMPLOYEES	32	17	-	-	1	1	2	-	6	1	-	-	-	3	-	6	1	-	-	-	-	2
100 TO 249 EMPLOYEES	8	5	-	-	-	-	-	-	1	-	-	2	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	8	1	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-
SHERIDAN COUNTY	3	-	-	-	-	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	3	-	-	-	-	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
SHERMAN COUNTY	7	2	-	-	-	-	-	-	1	1	-	-	-	2	-	-	-	-	1	-	-	-
1 TO 19 EMPLOYEES	6	1	-	-	-	-	-	-	1	1	-	-	-	2	-	-	-	-	1	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMITH COUNTY	8	1	-	-	-	-	1	-	-	-	-	1	-	1	-	1	1	2	-	-	-	-
1 TO 19 EMPLOYEES	7	1	-	-	-	-	1	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STAFFORD COUNTY	9	2	-	-	-	-	-	-	2	-	1	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	9	2	-	-	-	-	-	-	2	-	1	-	-	-	-	-	-	-	-	-	-	-
STANTON COUNTY	2	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	2	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
STEVENS COUNTY	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUMNER COUNTY	39	5	-	-	-	2	1	-	-	6	-	1	-	2	1	1	1	7	11	-	-	-
1 TO 19 EMPLOYEES	27	4	-	-	-	1	1	-	5	1	-	1	-	2	1	1	5	5	5	-	-	-
20 TO 99 EMPLOYEES	10	1	-	-	-	1	-	-	1	1	-	-	-	-	-	-	1	1	1	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
THOMAS COUNTY	13	-	-	-	-	-	-	-	4	-	-	-	-	1	1	1	4	4	1	-	-	-
1 TO 19 EMPLOYEES	11	-	-	-	-	-	-	-	4	-	-	-	-	1	1	1	3	3	1	-	-	-
20 TO 99 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
TREGO COUNTY	5	-	-	-	-	-	-	-	1	-	-	-	-	2	-	-	-	-	-	-	-	2
1 TO 19 EMPLOYEES	5	-	-	-	-	-	-	-	1	-	-	-	-	2	-	-	-	-	-	-	-	2
WABAUNSEE COUNTY	3	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	2	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WALLACE COUNTY	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
WASHINGTON COUNTY	10	-	-	-	-	-	-	-	4	-	-	-	-	2	-	2	2	-	-	-	-	-
1 TO 19 EMPLOYEES	9	-	-	-	-	-	-	-	4	-	-	-	-	1	-	2	2	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
WICHITA COUNTY	3	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES	3	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-
WILSON COUNTY	37	6	-	-	1	-	1	-	8	2	-	1	-	2	1	5	5	1	4	-	-	-
1 TO 19 EMPLOYEES	28	5	-	-	1	-	-	-	6	2	-	1	-	1	1	5	3	1	2	-	-	-
20 TO 99 EMPLOYEES	4	1	-	-	-	-	-	-	2	-	-	-	-	-	-	-	2	-	1	-	-	-
100 TO 249 EMPLOYEES	4	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WOODSON COUNTY	4	-	-	-	1	1	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES	3	-	-	-	1	1	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYANDOTTE COUNTY	299	28	-	-	6	14	8	15	40	28	5	12	1	19	5	30	37	16	9	1	8	17
1 TO 19 EMPLOYEES	177	12	-	-	3	10	5	3	33	14	2	10	1	4	2	16	25	9	6	1	7	14
20 TO 99 EMPLOYEES	77	10	-	-	2	4	1	6	5	10	2	2	-	10	1	9	8	3	1	-	1	2
100 TO 249 EMPLOYEES	31	4	-	-	-	-	1	1	2	2	-	-	-	2	2	5	2	4	1	-	-	-
250 EMPLOYEES AND OVER	14	2	-	-	1	-	1	1	-	2	1	-	-	3	-	-	2	-	1	-	-	-

Note: Data on number of establishments by employment size class by 4-digit SIC industry for States, counties, and selected cities are presented in Location of Manufacturing Plants data series. This series is available only on computer tape (see Introduction).

- Represents zero.

¹Only those counties and size classes that include data for manufacturing establishments are shown.

Kentucky

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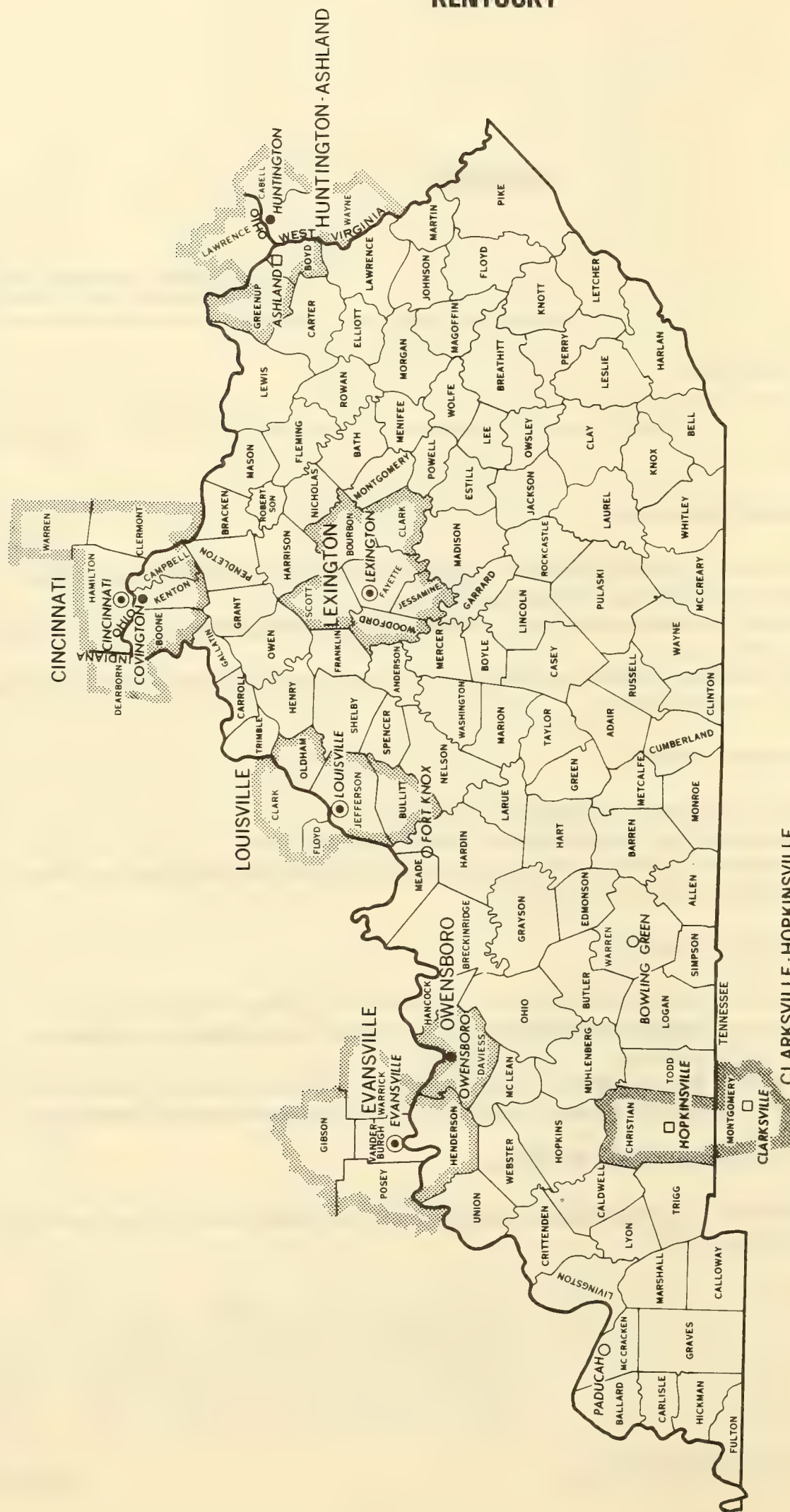
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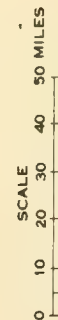


LEGEND

- Places of 100,000 or more inhabitants
- Places of 50,000 to 100,000 inhabitants
- Central cities of SMSA's with fewer than 50,000 inhabitants
- Places of 25,000 to 50,000 inhabitants outside SMSA's



Standard Metropolitan Statistical Areas (SMSA's)



SUMMARY OF FINDINGS

In 1977, 277.5 thousand persons were employed in Kentucky's manufacturing establishments. This figure represented an increase of 7 percent from the 1972 figure of 258.7 thousand workers.

The total value added by manufacture for the State amounted to \$9,546 million in 1977, an increase of approximately 68 percent from the 1972 figure of \$5,682 million. All dollar figures in this report are in current dollars and are, therefore, not adjusted for changes in price levels.

In the State, the most important industry groups ranked by employment were machinery, except electrical, electric and electronic equipment, apparel and other textile products, and fabricated metal products. They accounted for approximately 43 percent of the State's 1977 employment. These same industry groups were in the forefront for 1972 when they accounted for approximately 44 percent of the State's employment.

The most important counties in the State ranked by employment were Jefferson, Fayette, Boyd, and Warren. They accounted for approximately 50 percent of the State's 1977 manufacturing employment. In 1972, these same counties accounted for approximately 49 percent of the State's employment.

The methods of data collection and use of administrative records data are discussed in detail in the Introduction. Small single-unit companies with up to 20 employees (the cutoff varied by industry) were excluded from the mail portion of the census. For these establishments (and a small number of larger establishments whose reports were not received in time to be tabulated), statistics on payrolls and receipts were obtained from administrative records of other government agencies. Other statistics were developed from industry averages. For this State, these establishments accounted for 2 percent of the total value of shipments.

Table 1. Historical Employment Statistics for Operating Manufacturing Establishments and Central Administrative Offices: 1977 and Earlier Years

(For definitions of SCSEA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

State, standard metropolitan statistical area, and year	All establishments		Operating manufacturing establishments		Central administrative offices and auxiliaries ¹	
	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)
Kentucky:						
1977.....	277.5	3,452.2	266.2	3,252.6	11.3	199.6
1972.....	258.7	2,160.0	250.3	2,060.3	8.4	99.7
1967.....	224.6	1,351.9	217.6	1,285.4	7.0	66.5
1963.....	180.5	959.0	175.7	920.0	4.8	39.0
STANDARD CONSOLIDATED STATISTICAL AREA						
Cincinnati-Hamilton, Ohio-Ky.-Ind.:						
1977.....	189.6	2,944.3	172.7	2,612.6	16.9	331.6
1972.....	186.1	1,926.8	170.6	1,718.9	15.5	207.9
STANDARD METROPOLITAN STATISTICAL AREAS						
Cincinnati, Ohio-Ky.-Ind.:						
1977.....	160.2	2,435.8	146.2	2,170.7	14.0	265.1
1972.....	157.1	1,603.3	144.4	1,437.5	12.7	165.8
1967.....	166.8	1,258.7	155.6	1,150.5	11.2	108.2
1963.....	153.9	989.0	144.4	910.4	9.5	78.6
Clarkville-Hopkinsville, Tenn.-Ky.:						
1977.....	9.4	89.3	8.9	81.8	.5	7.5
1972.....	10.0	64.1	(NA)	(NA)	(NA)	(NA)
Evansville, Ind.-Ky.:						
1977.....	39.2	537.0	38.3	522.8	.9	14.2
1972.....	36.3	313.0	35.9	308.4	.4	4.6
Huntington-Ashland, W. Va.-Ky.-Ohio:						
1977.....	29.6	438.8	27.3	395.3	2.3	43.5
1972.....	25.7	246.8	24.7	237.5	1.0	9.3
1967.....	27.4	194.9	26.3	184.2	1.1	10.7
1963.....	23.6	145.7	(D)	(D)	(D)	(D)
Lexington-Fayette:						
1977.....	29.4	380.9	28.9	374.3	.5	6.6
1972.....	25.5	227.7	24.8	221.0	.7	6.7
Louisville, Ky.-Ind.:						
1977.....	106.9	1,559.2	99.7	1,425.5	7.2	133.7
1972.....	113.4	1,073.7	108.0	1,007.4	5.4	66.3
1967.....	110.0	750.5	104.7	699.5	5.3	51.0
1963.....	87.7	542.5	84.0	510.5	3.7	32.0
Owensboro:						
1977.....	7.1	86.9	7.0	85.6	.1	1.3
1972.....	8.0	65.7	(D)	(D)	(D)	(D)

(D) Withheld to avoid disclosing operations of individual companies. (NA) Not available.

¹Defined in appendix B. Data for these establishments are included at the total manufacturing level in each table in this report. Data for these establishments are shown separately in tables 5 and 9 and included in State, SMSA, county, or city totals in other tables.

Table 2a. Historical Statistics for the State and Selected Standard Metropolitan Statistical Areas:
1977 and Earlier Years

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see app.													Comparative indexes and U.S. employment					
Year ¹	Establishments ²		All employees ²		Production workers			Value added by manu- facture		Cost of materials ³	Value of ship- ments ³	New capital expendi- tures	Percent of U.S. manufac- turing employ- ment (per- cent)	Index of State em- ploy- ment change (1977= 100)	United States			
	Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	Index of manufac- turing employ- ment change (1977= 100)			U.S. manu- facturing employ- ment (1,000)			
KENTUCKY																		
1977 CENSUS.	3 548	1 318	277.5	3 452.2	209.0	399.5	2 302.5	9 545.7	13 565.7	22 874.7	715.9	1.42	100	100	19 596.9			
1976 ASM....	(NA)	(NA)	277.0	3 058.1	209.9	397.3	2 039.4	8 645.3	11 753.6	20 268.5	521.6	1.48	100	96	18 753.0			
1975 ASM....	(NA)	(NA)	264.8	2 713.7	200.1	375.6	1 789.7	7 426.0	10 254.8	17 647.4	484.5	1.45	95	94	18 302.2			
1974 ASM....	(NA)	(NA)	293.2	2 765.3	224.8	430.7	1 885.1	7 629.4	9 849.5	17 207.8	549.7	1.48	106	102	19 844.8			
1973 ASM....	(NA)	(NA)	277.2	2 457.3	216.6	422.9	1 707.2	6 470.9	7 947.5	14 332.1	504.4	1.39	100	102	19 897.9			
1972 CENSUS.	3 167	1 259	258.7	2 160.0	200.4	392.9	1 479.8	5 682.1	6 794.6	12 360.0	380.0	1.36	93	98	19 028.7			
1971 ASM....	(NA)	(NA)	242.8	1 854.9	187.1	358.0	1 247.4	5 168.2	5 600.9	10 732.2	284.0	1.32	88	94	18 363.1			
1970 ASM....	(NA)	(NA)	244.8	1 733.9	190.1	367.0	1 177.6	4 491.6	5 174.6	9 595.6	308.6	1.27	88	99	19 217.2			
1969 ASM....	(NA)	(NA)	244.0	1 633.9	191.1	370.1	1 115.3	4 438.7	4 873.2	9 252.8	335.5	1.22	88	103	20 035.5			
1968 ASM....	(NA)	(NA)	232.1	1 481.3	182.7	358.8	1 024.1	4 060.7	4 598.9	8 609.8	370.0	1.19	84	100	19 527.6			
1967 CENSUS.	2 994	1 135	224.6	1 351.9	175.6	344.5	926.7	3 636.0	4 180.5	7 796.0	338.3	1.16	81	99	19 323.2			
1966 ASM....	(NA)	(NA)	217.9	1 265.6	171.7	346.9	879.1	3 466.2	4 168.6	7 545.5	289.7	1.15	79	98	19 024.5			
1965 ASM....	(NA)	(NA)	203.0	1 152.4	158.5	320.2	795.2	3 143.3	3 768.3	6 852.0	224.0	1.13	73	92	18 010.2			
1964 ASM....	(NA)	(NA)	189.4	1 049.5	147.7	297.9	725.9	2 787.0	3 411.0	6 175.6	163.1	1.10	68	89	17 268.5			
1963 CENSUS.	2 946	1 025	180.5	959.0	140.5	280.4	657.4	2 548.5	(NA)	(NA)	223.6	1.06	65	87	16 958.4			
CINCINNATI-HAMILTON, OHIO-KY.-IND.: SCSA																		
1977 CENSUS.	2 373	958	189.6	2 944.3	117.7	238.4	1 618.9	6 608.2	7 196.2	13 769.5	357.1	.97	100	100	19 596.9			
1972 CENSUS.	2 258	949	185.4	1 926.8	117.7	240.4	1 057.8	4 145.4	3 648.6	7 763.0	233.6	.97	98	98	19 028.7			
CINCINNATI, OHIO-KY.-IND.: SMSA																		
1977 CENSUS.	2 135	856	160.2	2 435.8	97.2	197.9	1 289.5	5 645.9	6 043.1	11 647.9	(D)	.82	100	100	19 596.9			
1976 ASM....	(NA)	(NA)	156.7	2 205.1	94.0	190.0	1 153.5	4 986.1	5 691.3	10 632.6	232.2	.84	98	96	18 753.0			
1975 ASM....	(NA)	(NA)	156.3	2 006.2	92.7	184.2	1 025.7	4 499.8	5 123.3	9 637.3	230.8	.85	98	94	18 302.2			
1974 ASM....	(NA)	(NA)	173.8	2 060.6	107.8	218.1	1 076.1	4 527.9	4 794.6	9 169.1	268.8	.88	108	102	19 844.8			
1973 ASM....	(NA)	(NA)	164.6	1 805.6	103.1	211.0	966.1	3 960.1	3 897.4	7 778.3	198.0	.83	103	102	19 897.9			
1972 CENSUS.	2 045	855	157.6	1 608.8	97.5	197.6	848.9	3 561.2	3 060.9	6 601.2	199.3	.83	98	98	19 028.7			
1971 ASM....	(NA)	(NA)	158.4	1 496.6	98.2	196.3	790.6	3 377.0	3 118.2	6 522.5	133.4	.86	99	94	18 363.1			
1970 ASM....	(NA)	(NA)	167.9	1 473.0	104.7	208.4	774.8	3 200.2	3 061.4	6 200.0	172.3	.87	105	99	19 217.2			
1969 ASM....	(NA)	(NA)	172.2	1 435.8	108.9	221.6	764.9	3 156.0	3 060.5	6 162.3	192.3	.86	107	103	20 035.5			
1968 ASM....	(NA)	(NA)	170.4	1 354.4	108.0	221.4	728.4	2 962.5	2 886.6	5 843.6	163.1	.87	106	100	19 527.6			
1967 CENSUS.	1 921	818	166.8	1 258.7	107.2	217.0	681.9	2 704.1	2 767.8	5 460.4	158.3	.86	104	99	19 323.2			
1966 ASM....	(NA)	(NA)	164.0	1 195.3	106.2	225.1	675.3	2 567.7	2 706.9	5 225.4	148.1	.86	102	98	19 024.5			
1965 ASM....	(NA)	(NA)	155.1	1 086.5	101.5	211.4	612.6	2 356.6	2 537.0	4 880.4	115.0	.86	97	92	18 010.2			
1964 ASM....	(NA)	(NA)	149.8	998.0	97.9	204.7	568.0	2 168.4	2 272.9	4 432.9	93.9	.87	94	89	17 268.5			
1963 CENSUS.	1 971	797	153.9	989.0	100.1	207.1	554.9	2 057.4	(NA)	(NA)	78.1	.91	96	87	16 958.4			
LOUISVILLE, KY.-IND.: SMSA																		
1977 CENSUS.	1 109	455	106.9	1 559.2	77.0	148.2	1 005.8	4 440.7	6 340.0	10 707.2	202.5	.55	100	100	19 596.9			
1976 ASM....	(NA)	(NA)	108.4	1 402.0	76.5	143.7	884.2	4 164.7	5 471.4	9 586.6	136.4	.58	101	96	18 753.0			
1975 ASM....	(NA)	(NA)	108.9	1 299.5	76.2	144.1	812.8	3 498.7	5 015.5	8 556.0	139.7	.60	102	94	18 302.2			
1974 ASM....	(NA)	(NA)	124.3	1 357.0	88.7	168.1	873.0	3 761.7	4 891.5	8 523.0	214.2	.63	116	102	19 844.8			
1973 ASM....	(NA)	(NA)	117.8	1 222.0	86.8	172.6	819.8	3 273.2	4 089.6	7 363.1	175.4	.59	110	102	19 897.9			
1972 CENSUS.	1 004	465	113.4	1 073.7	83.2	161.8	715.3	3 022.8	3 550.7	6 512.1	128.2	.60	106	98	19 028.7			
1971 ASM....	(NA)	(NA)	105.1	948.7	77.5	145.8	606.2	2 691.1	2 999.0	5 650.8	114.9	.57	98	94	18 363.1			
1970 ASM....	(NA)	(NA)	115.0	939.8	86.2	158.0	601.1	2 541.6	2 706.2	5 196.7	94.6	.60	108	99	19 217.2			
1969 ASM....	(NA)	(NA)	121.1	918.0	91.5	165.6	588.1	2 624.7	2 588.0	5 211.0	137.7	.60	113	103	20 035.5			
1968 ASM....	(NA)	(NA)	114.5	832.8	87.9	165.2	554.2	2 395.1	2 614.3	5 006.5	137.2	.59	107	100	19 527.6			
1967 CENSUS.	900	435	110.0	750.5	82.5	158.7	499.1	2 082.5	2 363.7	4 457.3	125.5	.57	103	99	19 323.2			
1966 ASM....	(NA)	(NA)	102.0	695.7	76.9	153.6	471.6	1 993.3	2 528.6	4 473.0	106.3	.54	95	98	19 024.5			
1965 ASM....	(NA)	(NA)	95.4	633.7	71.6	146.5	431.1	1 906.8	2 258.0	4 133.9	98.0	.53	89	92	18 010.2			
1964 ASM....	904	429	87.7	542.5	65.2	131.7	361.3	1 595.6	(NA)	(NA)	66.7	.51	82	89	17 268.5			
1963 ASM....	(NA)	(NA)	91.6	588.2	68.9	140.1	400.1	1 727.7	2 052.3	3 765.6	82.2	.53	86	89	17 268.5			

(NA) Not available. (D) Withheld to avoid disclosing operations of individual companies.

¹In annual survey of manufactures (ASM) years, data are estimates based on a representative sample of establishments canvassed annually and may differ from results of a complete canvass of all establishments. ASM publication shows percentage standard errors. Unless otherwise noted, for data prior to 1963, see 1963 Census of Manufactures, vol. III, table 1 of State chapter.

²Including central administrative offices and auxiliaries (for definition, see appendix B).

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 2b. Selected Operating Ratios for the State and Selected Standard Metropolitan Statistical Areas: 1977 and Earlier Years

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials as percent of value of shipments (percent)	Cost of materials and payroll as percent of value of shipments (percent)	Value added per employee (dollars)	Payroll as percent of value added (percent)	Value added per production worker hour (dollars)
KENTUCKY									
1977 CENSUS.....	12 442	75	1 911	5.76	59	74	34 404	36	23.89
1976 ASM.....	11 040	76	1 893	5.13	58	73	31 210	35	21.76
1975 ASM.....	10 248	76	1 877	4.76	58	73	28 044	37	19.77
1974 ASM.....	9 431	77	1 916	4.38	57	73	26 021	36	17.71
1973 ASM.....	8 865	78	1 952	4.04	55	73	23 344	38	15.30
1972 CENSUS.....	8 349	77	1 961	3.77	55	72	21 964	38	14.46
1971 ASM.....	7 640	77	1 913	3.48	52	69	21 286	36	14.44
1970 ASM.....	7 083	78	1 931	3.21	54	72	18 348	39	12.24
1969 ASM.....	6 696	78	1 937	3.01	53	70	18 191	37	11.99
1968 ASM.....	6 382	79	1 964	2.85	53	71	17 495	36	11.32
1967 CENSUS.....	6 019	78	1 962	2.69	54	71	16 189	37	10.55
1966 ASM.....	5 808	79	2 020	2.53	55	72	15 907	37	9.99
1965 ASM.....	5 677	78	2 020	2.48	55	72	15 484	37	9.82
1964 ASM.....	5 541	78	2 017	2.44	55	72	14 715	38	9.36
1963 CENSUS.....	5 313	78	1 996	2.34	(NA)	(NA)	14 119	38	9.09
CINCINNATI-HAMILTON, OHIO-KY.-IND., SCSA									
1977 CENSUS.....	15 531	62	2 025	6.79	52	74	34 857	45	27.72
1972 CENSUS.....	10 354	63	2 042	4.40	47	72	22 275	46	17.24
CINCINNATI, OHIO-KY.-IND., SMSA									
1977 CENSUS.....	15 206	61	2 035	6.52	52	73	35 245	43	28.53
1976 ASM.....	14 072	60	2 021	6.07	54	74	31 819	44	26.24
1975 ASM.....	12 836	59	1 987	5.57	53	74	28 790	45	24.43
1974 ASM.....	11 856	62	2 023	4.93	52	75	26 052	46	20.76
1973 ASM.....	10 970	63	2 047	4.58	50	73	24 059	46	18.77
1972 CENSUS.....	10 208	62	2 027	4.30	46	71	22 596	45	18.02
1971 ASM.....	9 448	62	1 999	4.03	48	71	21 319	44	17.20
1970 ASM.....	8 773	62	1 990	3.72	49	73	19 060	46	15.36
1969 ASM.....	8 338	63	2 035	3.45	50	73	18 328	45	14.24
1968 ASM.....	7 948	63	2 050	3.29	49	73	17 386	46	13.38
1967 CENSUS.....	7 546	64	2 024	3.14	51	74	16 212	47	12.46
1966 ASM.....	7 288	65	2 120	3.00	52	75	15 657	47	11.41
1965 ASM.....	7 005	65	2 083	2.90	52	74	15 194	46	11.15
1964 ASM.....	6 662	65	2 091	2.77	51	74	14 475	46	10.59
1963 CENSUS.....	6 426	65	2 069	2.68	(NA)	(NA)	13 368	48	9.93
LOUISVILLE, KY.-IND., SMSA									
1977 CENSUS.....	14 584	72	1 925	6.79	59	74	41 535	35	29.97
1976 ASM.....	12 934	71	1 878	6.15	57	72	38 420	34	28.98
1975 ASM.....	11 933	70	1 891	5.64	59	74	32 128	37	24.28
1974 ASM.....	10 917	71	1 895	5.19	57	73	30 263	36	22.38
1973 ASM.....	10 374	74	1 988	4.75	56	72	27 786	37	18.96
1972 CENSUS.....	9 468	73	1 945	4.42	55	71	26 656	36	18.68
1971 ASM.....	9 027	74	1 881	4.16	53	70	25 605	35	18.46
1970 ASM.....	8 172	75	1 833	3.80	52	70	22 101	37	16.09
1969 ASM.....	7 581	76	1 810	3.55	50	67	21 674	35	15.85
1968 ASM.....	7 273	77	1 879	3.35	52	69	20 918	35	14.50
1967 CENSUS.....	6 823	75	1 924	3.14	53	70	18 932	36	13.12
1966 ASM.....	6 821	75	1 997	3.07	57	72	19 542	35	12.98
1965 ASM.....	6 643	75	2 046	2.94	55	70	19 987	33	13.02
1964 ASM.....	6 421	75	2 033	2.86	55	70	18 861	34	12.33
1963 CENSUS.....	6 186	74	2 020	2.74	(NA)	(NA)	18 194	34	12.12

Note: For qualifications to data, see footnotes on table 2a.
(NA) Not available.

Table 3a. Summary Statistics for the State: 1977 and 1972

[For explanation of terms, see appendix B]

Item	Unit of measure	1977	1972
All establishments ¹	number	3 548	3 167
With 1 to 19 employees	do	2 230	1 908
With 20 to 99 employees	do	732	735
With 100 employees or more	do	586	524
All employees, average for year ¹	1,000	277.5	258.7
Payroll for year, all employees ¹	mil. dollars ..	3 452.2	2 160.0
Production workers:			
Average for year	1,000	209.0	200.4
March	do	205.3	195.4
May	do	208.5	198.2
August	do	209.7	200.8
November	do	212.2	207.2
Hours	millions	399.5	392.9
January to March	do	96.1	94.6
April to June	do	102.0	99.7
July to September	do	98.8	95.4
October to December	do	102.7	103.2
Wages	mil. dollars ..	2 302.5	1 479.8
Cost of materials, etc. ²	do	13 565.7	6 794.6
Materials, parts, containers, etc., consumed	do	12 200.3	6 124.7
Resales	do	497.3	337.3
Fuels consumed	do	279.6	100.7
Purchased electric energy	do	502.2	178.5
Contract work	do	86.3	53.4
Value of shipments, including resales ²	do	22 874.7	12 360.0
Value of resales	do	621.2	408.1
Value added by manufacture	do	9 545.7	5 682.1
Manufacturers' inventories:			
Beginning of year	do	2 998.5	1 875.3
Finished products	do	1 140.4	850.8
Work in process	do	730.1	369.4
Materials, supplies, fuel, etc.	do	1 128.0	655.2
End of year	do	3 273.2	2 060.5
Finished products	do	1 227.7	917.8
Work in process	do	878.0	431.0
Materials, supplies, fuel, etc.	do	1 167.5	711.7
Capital expenditures for plant and equipment	do	787.4	395.3
New capital expenditures	do	715.9	380.0
New buildings and other structures	do	118.5	102.3
New machinery and equipment	do	597.4	277.7
Used capital expenditures	do	71.6	15.3

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies.

¹Including central administrative offices and auxiliaries (for definition, see appendix B).

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 3b. Supplemental State Statistics Based on Sample Estimates: 1977

(For explanation of terms, see appendix B. For description of annual survey of manufactures (ASM), see appendix F)

Item	Amount (million dollars)	Standard error of estimate (percent)	Item	Amount (million dollars)	Standard error of estimate (percent)
Gross value of depreciable assets:			Rental payments:		
Total:			Total.....	77.7	5
Beginning of year.....	6,193.5	1	Buildings and other structures.....	27.9	8
New capital expenditures.....	756.3	3	Machinery and equipment.....	50.0	5
Used capital expenditures.....	80.2	8			
Retirements.....	187.6	5	Depreciation charges during 1977:		
End of year.....	6,842.4	1	Total.....	400.1	2
Buildings and other structures:			Buildings and other structures.....	65.1	3
Beginning of year.....	1,627.9	1	Machinery and equipment.....	334.9	2
New capital expenditures.....	132.1	7			
Used capital expenditures.....	12.5	11	Supplemental labor costs:		
Retirements.....	25.0	7	Total.....	698.0	1
End of year.....	1,747.4	1	Legal costs.....	261.1	1
Machinery and equipment:			Voluntary costs.....	436.9	1
Beginning of year.....	4,565.5	1			
New capital expenditures.....	624.2	2	Purchased services:		
Automobiles, trucks, etc., for highway use...	12.2	(NA)	Cost of purchased services for the repair of--		
Computers and peripheral data processing equip.	7.6	(NA)	Buildings and other structures.....	25.7	6
All other.....	409.2	(NA)	Response coverage ratio (percent).....	62	(X)
New machinery and equipment, n.s.k.....	195.2	(NA)	Machinery.....	130.1	10
Used capital expenditures.....	67.7	9	Response coverage ratio (percent).....	63	(X)
Retirements.....	162.8	6	Cost of purchased communication services.....	(31.9)	(A)
End of year.....	5,094.6	1	Response coverage ratio (percent).....	57	(X)

Note: Expenditures data, shown in tables 2a, 3a, and 4-8, are census universe figures and may differ from ASM sample estimates shown in this table. Table 3b figures represent best estimate of year-to-year change as measured by continuing ASM sample, but are subject to sampling errors. Hence, as estimates of level, they are not as reliable as universe figures.

(A) Indicates standard errors of 100 percent or more. Figures in parentheses have standard errors of 15 percent or more. (NA) Not available. n.s.k. Not specified by kind. (X) Not applicable.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area		1977											1972	
		All establishments ²		All employees ²		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
		Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)						
E1														
Kentucky -----	-	3 548	1 318	277.5	3 452.2	209.0	399.5	2 302.5	9 545.7	13 565.7	22 874.7	715.9	258.7	5 682.1
STANDARD CONSOLIDATED STATISTICAL AREAS														
Cincinnati-Hamilton, Ohio-Ky.-Ind. -----	-	2 373	958	189.6	2 944.3	117.7	238.4	1 618.9	6 608.2	7 196.2	13 769.5	357.1	185.5	4 145.4
Portion in Ohio -----	-	2 127	860	175.2	2 751.5	107.4	217.8	1 492.7	6 159.3	6 732.5	12 868.7	335.4	170.6	3 803.5
Portion in Indiana -----	E1	32	13	3.4	49.0	2.8	5.8	38.2	187.0	121.7	307.6	6.4	3.9	159.1
Portion in Kentucky -----	E2	214	85	11.0	143.8	7.6	14.8	88.1	261.9	342.0	593.2	15.3	11.0	182.8
STANDARD METROPOLITAN STATISTICAL AREAS														
Cincinnati, Ohio-Ky.-Ind. -----	-	2 135	856	160.2	2 435.8	97.2	197.9	1 289.5	5 645.9	6 043.1	11 647.9	(D)	157.6	3 561.2
Portion in Ohio -----	-	1 889	758	145.8	2 243.0	86.9	177.3	1 163.3	5 197.0	5 579.4	10 747.1	277.5	142.7	3 219.3
Portion in Indiana -----	E1	32	13	3.4	49.0	2.8	5.8	38.2	187.0	121.7	307.6	(D)	3.9	159.1
Portion in Kentucky -----	E2	214	85	11.0	143.8	7.6	14.8	88.1	261.9	342.0	593.2	15.3	11.0	182.8
Clarksville-Hopkinsville, Tenn.-Ky. -----	-	117	44	9.4	89.3	7.1	13.7	58.3	233.3	279.8	513.8	(D)	10.0	134.7
Portion in Kentucky -----	E1	57	21	3.7	34.6	3.1	6.1	25.0	89.3	124.6	211.5	(D)	3.8	56.8
Portion in Tennessee -----	-	60	23	5.6	54.7	4.0	7.5	33.3	144.0	155.2	302.3	8.1	6.2	77.9
Evansville, Ind.-Ky. -----	-	408	169	39.2	537.0	28.0	56.7	355.9	1 558.9	2 268.4	3 747.5	134.0	36.3	897.6
Portion in Indiana -----	-	347	139	34.9	487.0	24.5	50.2	320.5	1 331.8	1 969.7	3 251.6	124.7	33.4	861.5
Portion in Kentucky -----	-	61	30	4.3	50.0	3.5	6.6	35.4	227.1	298.7	495.9	9.3	2.9	36.1
Huntington-Ashland, W. Va.-Ky.-Ohio -----	-	339	125	29.6	438.8	20.9	40.9	288.1	754.3	1 982.8	2 728.9	233.7	25.7	530.1
Portion in Ohio -----	E1	52	16	3.1	40.9	2.5	5.1	31.7	83.4	144.8	229.1	15.7	3.2	76.0
Portion in West Virginia -----	E1	199	71	14.8	199.1	11.2	21.9	138.0	381.2	675.5	1 060.6	47.7	14.0	230.1
Portion in Kentucky -----	-	88	38	11.7	198.8	7.3	13.9	118.4	289.6	1 162.5	1 439.2	170.2	8.5	224.0
Lexington-Fayette -----	-	314	132	29.4	380.9	20.2	38.5	219.3	1 123.6	1 252.1	2 337.3	88.6	25.5	604.6
Louisville, Ky.-Ind. -----	-	1 109	455	106.9	1 559.2	77.0	148.2	1 005.8	4 440.7	6 340.0	10 707.2	202.5	113.4	3 022.8
Portion in Indiana -----	-	164	69	11.4	142.3	8.8	16.7	96.2	409.1	420.7	828.2	32.7	15.7	305.7
Portion in Kentucky -----	-	945	386	95.6	1 417.0	68.2	131.5	909.6	4 031.6	5 919.3	9 879.0	169.9	97.7	2 717.1
Owensboro -----	-	92	33	7.1	86.9	5.4	10.1	59.7	225.4	340.8	562.8	(D)	8.0	134.6
COUNTIES														
Adair -----	E3	23	3	0.4	2.5	0.4	0.7	2.0	5.6	5.9	11.5	(D)	0.3	3.7
Allen -----	-	15	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.9	7.1
Anderson -----	-	11	6	0.9	10.8	0.7	1.5	7.7	20.8	53.7	74.3	2.5	1.1	21.9
Ballard -----	-	13	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Barren -----	-	42	19	4.4	42.2	3.6	6.9	30.8	91.3	127.6	218.3	18.7	3.4	34.4
Bath -----	E0	3	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(Z)	(NA)
Bell -----	-	26	11	0.9	8.0	0.8	1.4	5.7	18.3	31.4	49.0	1.6	1.3	17.0
Boone -----	-	48	28	4.6	58.8	2.8	5.5	31.1	91.4	125.3	213.0	8.0	4.2	72.2
Bourbon -----	-	17	7	1.4	12.0	1.2	2.2	8.6	30.9	23.8	55.2	2.0	0.7	8.5
Boyd -----	-	71	31	9.7	163.5	6.3	12.2	105.6	242.4	1 116.1	1 350.7	167.2	7.6	215.4
Boyle -----	-	34	16	3.6	38.0	2.9	5.4	25.9	73.9	80.7	154.5	7.4	2.5	44.3
Bracken -----	-	6	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Breathitt -----	E1	8	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(Z)	(NA)
Breckinridge -----	E1	12	4	0.3	2.6	0.3	0.5	2.1	4.7	2.7	7.4	0.3	0.3	2.6
Bullitt -----	-	14	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Butler -----	-	8	4	0.6	4.0	0.6	1.1	3.2	7.2	4.4	11.7	0.2	0.3	2.0
Caldwell -----	-	18	6	1.1	10.8	0.8	1.6	6.8	28.2	55.5	81.2	1.8	1.8	35.7
Calloway -----	-	28	8	1.5	14.3	1.3	2.4	10.1	47.5	66.6	110.8	1.4	1.4	27.9
Campbell -----	E1	58	19	2.4	38.7	1.9	3.8	27.4	73.2	93.9	164.3	4.1	2.8	48.6
Carlisle -----	E1	5	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Carroll -----	-	14	10	1.5	17.5	1.2	2.8	12.4	128.5	113.6	240.9	8.5	1.3	31.1
Carter -----	-	22	6	0.9	6.6	0.8	1.4	5.5	15.0	4.7	19.7	0.6	0.7	6.7
Casey -----	E4	30	5	0.8	4.8	0.7	1.2	3.9	7.7	4.2	11.9	0.3	0.6	6.1
Christian -----	-	57	21	3.7	34.6	3.1	6.1	25.0	89.3	124.6	211.5	(D)	3.8	56.8
Clark -----	-	30	12	4.0	50.4	3.4	6.4	38.7	112.0	145.5	257.6	12.7	3.7	80.8
Clay -----	-	9	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.3	1.5
Clinton -----	-	8	4	0.8	4.3	0.8	1.3	3.9	6.7	10.6	17.3	0.1	0.9	9.2
Crittenden -----	-	12	3	0.7	6.4	0.6	1.1	5.3	15.8	7.6	23.6	0.8	0.7	10.4
Cumberland -----	-	7	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Daviess -----	-	92	33	7.1	86.9	5.4	10.1	59.7	225.4	340.8	562.8	(D)	8.0	134.6
Edmonson -----	-	2	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Elliott -----	E0	2	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Estill -----	-	11	2	0.5	3.5	0.4	0.8	2.4	6.5	7.4	13.9	0.1	(D)	(D)
Fayette -----	-	216	86	17.9	258.0	11.0	21.2	129.5	800.5	913.7	1 673.4	65.6	16.3	417.7
Fleming -----	-	15	2	0.7	4.8	0.5	1.0	4.2	13.2	10.9	24.0	0.2	(D)	(D)
Floyd -----	-	25	7	0.9	7.1	0.7	1.3	5.1	20.1	19.5	39.2	0.9	0.9	9.3
Franklin -----	-	35	14	3.2	35.3	2.7	4.9	27.0	110.7	93.7	200.0	5.4	3.0	74.1
Fulton -----	-	9	2	0.1	3.7	0.1	0.2	3.5	2.7	5.9	8.4	0.2	0.7	8.3
Gallatin -----	-	2	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Garrard -----	-	10	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Grant -----	-	6	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Graves -----	-	40	10	3.7	48.7	3.0	5.6	37.3	129.1	129.5	257.5	(D)	4.0	68.9
Grayson -----	-	25	10	1.3	10.0	1.1	2.2	7.7	20.6	30.2	51.1	2.9	1.2	14.0
Green -----	-	10	4	0.5	4.6	0.5	0.9	3.7	8.8	10.9	19.4	0.7	0.5	6.7
Greenup -----	-	17	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.9	8.6
Hancock -----	-	12	7	2.7	48.3	2.0	3.9	34.5	149.4	368.7	520.1	4.2	2.4	59.8
Hardin -----	-	44	19	3.7	37.2	2.9	5.7	26.7	156.0	113.2	268.9	8.5	2.6	75.5
Harlan -----	E1	20	4	0.3	3.3	0.2	0.4	2.2	6.0	5.7	11.6	0.3	0.4	4.5
Harrison -----	-	17	12	1.7	18.8	1.4	2.7	13.6	59.7	77.1	137.4	1.3	1.4	28.2
Hart -----	-	11	7	0.6	4.5	0.6	1.1	3.9	15.8	20.5	36.3	0.7	0.6	6.8
Henderson -----	-	61	30	4.3	50.0	3.5	6.6	35.4	227.1	298.7	495.9	9.3	2.9	36.1
Henry -----	-	9	6	0.4	3.4	0.3	0.5	2.2	14.1	18.8	31.5	0.6	0.5	10.1
Hickman -----	-	5	3	0.5	2.7	0.4	0.8	1.9	8.5	7.7	16.4	(D)	(D)	(D)
Hopkins -----	-	54	17	3.4	35.1	2.7	5.3	26.5	97.0	144.6	240.5	2.1	2.4	33.7

See footnotes at end of table.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

1977													1972	
Geographic area	E ¹	All establishments ²		All employees ²		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
		Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)						
COUNTIES—Con.														
Jackson	-	17	2	0.3	2.4	0.2	0.3	1.2	6.1	3.9	9.9	0.1	(Z)	(NA)
Jefferson	-	911	377	94.0	1 399.5	67.0	129.1	897.0	3 965.4	5 845.8	9 738.8	166.7	96.3	2 661.2
Jessamine	-	16	7	0.9	8.5	0.6	1.2	5.2	17.5	23.5	41.4	1.0	0.3	3.4
Johnson	-	17	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Kenton	E1	108	38	4.0	46.3	2.9	5.6	29.6	97.3	122.8	216.0	3.2	4.0	62.0
Knott	E0	1	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Knox	-	22	10	1.4	12.3	1.1	2.3	8.9	38.6	26.7	64.0	1.8	0.7	8.0
Larue	-	10	3	0.4	2.3	0.4	0.7	2.0	3.9	2.0	5.7	0.2	0.3	2.4
Laurel	-	31	12	2.0	19.5	1.7	3.3	14.2	40.4	42.1	82.3	1.9	1.2	10.5
Lawrence	E1	12	3	0.3	1.9	0.2	0.4	1.2	3.0	10.6	13.8	0.2	(D)	(D)
Lee	-	4	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Leslie	E0	8	-	(Z)	0.2	(Z)	(Z)	0.2	0.5	0.7	1.1	0.1	(Z)	(NA)
Letcher	-	10	3	0.1	1.0	0.1	0.1	0.6	2.8	2.6	5.5	0.3	0.2	1.4
Lewis	-	14	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Lincoln	E1	15	3	0.4	2.9	0.3	0.6	2.2	8.2	7.1	15.0	0.3	0.7	7.4
Livingston	-	6	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(Z)	(NA)
Logan	-	39	18	3.4	28.5	2.9	5.1	21.9	87.3	104.0	189.3	6.6	3.1	53.2
Lyon	-	3	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
McCracken	-	70	22	5.3	65.9	3.9	7.6	43.6	190.4	304.0	491.8	5.1	4.8	84.7
McCreary	-	8	2	0.2	1.5	0.1	0.3	1.0	4.6	5.2	9.0	0.1	0.2	1.5
McLean	-	15	5	0.4	3.1	0.3	0.6	2.3	6.0	7.4	13.3	1.2	0.2	2.2
Madison	-	45	20	3.6	35.4	3.0	5.4	26.3	113.4	89.4	198.2	39.2	2.5	41.4
Magoffin	-	7	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Marion	E2	13	4	0.5	4.3	0.4	0.8	3.5	9.1	12.9	22.1	0.2	0.8	9.1
Marshall	-	31	9	3.1	52.2	2.4	4.9	37.4	190.8	294.1	489.2	26.5	3.3	125.0
Martin	E0	6	-	(Z)	0.3	(Z)	(Z)	0.2	0.7	0.8	1.5	0.1	(D)	(D)
Mason	-	20	11	2.9	29.5	2.2	4.5	19.5	73.1	94.5	163.3	3.5	2.3	44.3
Meade	-	10	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Menifee	E0	4	-	(Z)	(Z)	(Z)	(Z)	(Z)	0.1	0.1	0.1	(Z)	(D)	(D)
Mercer	-	17	6	1.8	19.3	1.4	2.5	12.9	58.1	48.6	107.1	(D)	2.4	49.1
Metcalfe	E3	11	3	0.3	1.9	0.3	0.5	1.7	2.8	1.0	3.8	0.1	(D)	(D)
Monroe	E1	26	11	1.2	7.6	1.1	1.8	6.3	14.2	14.4	28.1	1.2	0.9	7.3
Montgomery	-	17	7	3.0	25.5	2.5	4.8	21.0	57.4	71.8	129.1	(D)	2.6	34.4
Morgan	E1	7	1	0.1	0.4	(Z)	0.1	0.2	0.6	0.6	1.4	0.1	(D)	(D)
Muhlenberg	-	27	8	0.6	4.4	0.5	0.9	3.5	10.0	12.3	22.1	0.8	0.9	10.1
Nelson	-	33	9	1.7	19.5	1.4	2.5	14.2	76.1	72.7	132.7	2.0	1.8	68.1
Nicholas	-	7	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Ohio	-	30	13	1.1	9.4	0.9	1.7	7.0	13.6	23.1	38.6	2.6	1.1	17.2
Oldham	-	20	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Owen	-	5	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Pendleton	-	7	4	0.6	4.2	0.4	0.8	3.1	10.9	9.6	19.2	0.4	0.6	5.2
Perry	-	9	1	0.1	1.1	(Z)	0.1	0.3	3.0	3.3	6.3	0.2	0.1	1.8
Pike	E4	26	5	0.3	3.9	0.2	0.3	1.6	8.9	11.0	19.9	0.9	0.3	3.9
Powell	E3	5	1	0.1	0.7	0.1	0.1	0.4	1.8	1.5	3.4	(D)	(D)	(D)
Pulaski	-	61	15	4.1	40.7	3.5	6.7	32.4	90.4	137.5	225.3	3.6	2.9	43.4
Rockcastle	E0	10	-	(Z)	0.1	(Z)	(Z)	0.1	0.2	0.3	0.6	(Z)	(D)	(D)
Rowan	-	25	7	0.6	4.3	0.5	1.1	3.6	18.5	21.3	36.7	(D)	0.6	6.2
Russell	E1	17	5	0.9	5.1	0.7	1.5	4.1	6.8	8.5	15.2	0.3	0.8	7.9
Scott	-	23	14	2.6	26.1	1.9	3.7	17.5	78.4	84.9	166.9	3.4	1.8	33.4
Shelby	-	30	16	1.4	13.3	1.1	2.1	9.0	35.2	50.7	86.2	1.6	1.2	14.1
Simpson	-	25	11	2.8	27.0	2.4	4.7	22.2	83.8	68.8	150.7	3.9	2.8	49.1
Spencer	E7	3	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Taylor	-	23	6	3.9	33.7	3.5	6.7	27.7	60.4	54.5	114.6	2.0	3.8	64.7
Todd	-	17	8	0.8	6.1	0.7	1.1	4.8	15.8	17.0	32.3	(D)	0.5	5.9
Trigg	-	20	5	0.8	6.8	0.7	1.2	5.3	16.8	14.7	31.8	0.8	0.5	7.3
Trimble	E2	2	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Union	-	19	7	0.7	4.7	0.5	0.9	3.6	12.9	15.3	28.0	0.2	0.5	6.9
Warren	-	61	26	7.3	73.1	6.0	10.9	55.8	192.3	213.8	390.9	6.7	6.7	109.8
Washington	-	8	6	0.5	3.9	0.4	0.8	3.1	16.7	26.8	43.5	(D)	0.6	10.0
Wayne	-	28	7	1.1	7.2	1.1	2.0	5.9	20.3	17.4	37.6	(D)	0.7	7.5
Webster	-	13	2	0.2	1.9	0.2	0.3	1.4	5.0	4.5	9.4	0.3	(D)	(D)
Whitley	-	26	10	3.0	24.2	2.6	5.3	18.8	150.4	74.0	220.0	5.7	1.6	23.5
Wolfe	-	6	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Woodford	-	12	6	2.6	25.8	2.1	3.8	19.8	84.3	60.7	142.7	4.0	2.6	60.8
CITIES														
Ashland	-	55	24	8.0	134.5	5.2	9.8	86.7	204.0	322.1	525.4	34.0	(D)	(D)
Barbourville	E1	11	5	0.6	4.8	0.5	0.9	3.3	18.4	12.5	30.4	0.4	(NA)	(NA)
Bardstown	-	24	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Beaver Dam	-	11	7	0.6	5.3	0.4	0.8	3.5	8.8	11.8	22.7	0.9	0.9	14.6
Berea	-	14	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Bowling Green	-	58	24	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Campbellsville	-	21	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Carrollton	-	9	6	0.9	10.4	0.8	1.9	7.5	33.4	59.8	93.4	(D)	0.7	21.0
Corbin	-	12	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.1	18.9
Covington	E1	63	26	2.8	30.2	2.1	3.8	18.9	65.0	96.3	157.6	2.3	2.6	41.6
Cynthiana	-	17	12	1.7	18.8	1.4	2.7	13.6	59.7	77.1	137.4	1.3	(D)	(D)
Danville	-	21	9	2.6	28.0	2.1	3.8	18.7	56.7	55.8	112.6	(D)	1.9	30.3
Dawson Springs	-	8	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Elizabethtown	-	32	15	3.3	32.4	2.6	5.1	23.6	139.4	89.9	229.7	7.7	2.5	70.5
Falmouth	-	4	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Frankfort	-	29	9	2.0	20.6	1.7	3.0	15.5	61.8	49.4	109.0	2.8	1.9	38.5
Franklin	-	25	11	2.8	27.0	2.4	4.7	22.2	83.8	68.8	150.7	3.9	2.8	49.1
Georgetown	-	21	12	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.7	32.6

See footnotes at end of table.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area	E ¹	1977											1972	
		All establishments ²		All employees ²		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
		Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)						
CITIES—Con.														
Glasgow	-	33	17	3.9	39.5	3.2	6.2	28.6	85.4	116.5	201.1	(D)	2.5	28.9
Harrodsburg	-	12	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Henderson	-	51	26	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Hopkinsville	-	47	17	3.4	30.3	2.8	5.4	22.3	78.8	112.9	189.7	3.8	(D)	(D)
Jeffersonton	E1	53	21	1.8	23.6	1.0	1.9	10.9	33.1	33.6	67.7	2.5	(D)	(D)
Lancaster	-	10	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Lawrenceburg	-	11	6	0.9	10.8	0.7	1.5	7.7	20.8	53.7	74.3	2.5	(D)	(D)
Leitchfield	-	14	8	1.2	9.1	1.0	2.0	7.0	19.2	27.0	46.2	2.8	1.1	13.5
Lexington-Fayette Urban Government	-	216	86	17.9	258.0	11.0	21.2	129.5	800.5	913.7	1 673.4	65.6	14.8	383.6
London	-	25	11	2.0	19.2	1.6	3.2	13.9	39.7	40.1	79.6	1.9	1.2	9.8
Louisville	-	586	257	61.0	901.2	43.1	82.8	579.8	2 551.8	3 541.8	6 063.8	91.1	60.2	1 434.2
Madisonville	-	39	15	2.9	31.1	2.3	4.5	23.2	83.5	135.6	218.3	1.9	2.1	27.2
Marion	-	11	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.7	10.4
Mayfield	-	29	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.6	65.3
Maysville	-	19	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Middlesborough	-	19	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.2	14.5
Monticello	-	26	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.6	6.5
Morehead	-	24	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Mount Sterling	-	14	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Murray	-	25	8	1.5	14.2	1.3	2.4	10.1	47.3	66.1	110.2	1.4	1.4	27.7
Newport	-	20	10	1.6	30.5	1.2	2.5	21.9	55.5	77.8	130.9	3.0	1.8	37.1
Nicholasville	-	14	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Owensboro	-	76	26	4.9	54.5	3.5	6.6	34.3	125.0	225.8	348.7	8.4	6.1	80.6
Paducah	E1	63	20	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Paris	-	15	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Princeton	-	17	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Richmond	-	27	11	1.7	17.8	1.3	2.4	12.7	79.0	53.9	128.7	5.3	1.5	24.2
Russellville	-	26	9	2.7	22.6	2.3	4.1	17.7	76.0	81.0	154.9	5.3	2.3	43.1
Scottsville	-	13	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Shelbyville	E1	23	9	0.5	4.2	0.4	0.7	2.7	11.3	15.8	27.1	0.3	(NA)	(NA)
Shively	-	19	7	0.7	8.1	0.5	1.1	6.1	14.4	24.8	39.2	1.0	(D)	(D)
Somerset	-	37	7	2.9	29.4	2.4	4.5	23.0	55.9	114.0	167.8	2.6	2.0	31.2
Springfield	-	8	6	0.5	3.9	0.4	0.8	3.1	16.7	26.8	43.5	(D)	(D)	(D)
Versailles	-	9	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Williamsburg	-	12	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Winchester	-	29	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.7	80.8

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Including central administrative offices and auxiliaries (for definition, see appendix B).

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977												1972	
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
20	All industries -----	-	3 548	1 318	277.5	3 452.2	209.0	399.5	2 302.5	9 545.7	13 565.7	22 874.7	715.9	258.7	5 682.1
	Food and kindred products -----	-	354	154	19.7	254.8	12.9	26.0	151.7	938.9	1 652.1	2 565.0	55.8	21.8	703.3
201	Meat products -----	-	81	16	3.1	43.9	2.4	5.0	31.5	80.1	357.0	435.8	6.2	3.1	57.1
2011	Meat packing plants -----	-	66	13	2.8	41.3	2.1	4.5	30.0	74.4	343.2	416.0	5.8	2.7	53.3
2016	Poultry dressing plants -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]															
1977														1972	
SIC code	Industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
20	Food and kindred products—Con.	-	60	34	2.4	27.1	1.3	2.7	13.0	71.9	281.6	354.9	6.6	3.1	55.5
202	Dairy products -----	-	60	34	2.4	27.1	1.3	2.7	13.0	71.9	281.6	354.9	6.6	3.1	55.5
2022	Cheese, natural and processed -----	-	12	11	0.6	5.2	0.4	0.9	3.8	16.4	77.2	94.1	0.7	0.4	7.1
2023	Condensed and evaporated milk -----	-	7	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2024	Ice cream and frozen desserts -----	-	8	3	0.2	2.0	0.1	0.2	1.1	9.2	16.6	25.7	(D)	0.2	3.0
2026	Fluid milk -----	-	29	16	1.4	16.5	0.5	1.1	6.0	34.6	126.4	161.1	2.1	2.0	33.8
203	Preserved fruits and vegetables -----	-	6	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.6	12.1
2033	Canned fruits and vegetables -----	-	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2035	Pickles, sauces, and salad dressings -----	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
204	Grain mill products -----	E1	36	10	0.5	6.6	0.4	0.7	3.4	29.9	69.4	98.9	(D)	0.8	13.0
2041	Flour and other grain mill products -----	E3	11	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2048	Prepared feeds, n.e.c. -----	E1	24	6	0.4	4.6	0.2	0.4	2.4	25.2	57.4	82.2	(D)	0.5	8.0
205	Bakery products -----	-	33	15	2.9	39.0	1.8	4.0	19.1	76.5	82.5	159.0	5.6	2.5	43.0
2051	Bread, cake, and related products -----	-	29	12	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2052	Cookies and crackers -----	-	4	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
207	Fats and oils -----	-	8	5	0.7	9.5	0.5	1.2	6.6	39.2	255.5	291.6	4.0	0.6	20.2
2075	Soybean oil mills -----	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2079	Shortening and cooking oils -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
208	Beverages -----	-	79	54	7.9	105.7	4.9	9.3	63.4	538.9	461.3	980.7	19.5	9.7	473.6
2082	Malt beverages -----	-	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2085	Distilled liquor, except brandy -----	-	28	20	4.3	60.6	3.4	6.3	45.8	315.2	279.7	576.9	6.8	FF	(D)
2086	Bottled and canned soft drinks -----	-	43	29	2.9	34.6	1.0	2.0	10.3	94.1	132.5	224.9	11.9	3.1	56.9
209	Miscellaneous foods and kindred products -----	-	41	15	1.5	16.2	1.1	2.2	10.4	71.0	106.3	174.2	3.7	1.2	27.7
2099	Food preparations, n.e.c. -----	-	24	13	1.3	13.2	0.9	1.7	8.5	64.7	101.5	163.2	3.3	0.9	23.2
21	Tobacco products -----	-	23	17	11.1	145.0	9.3	16.8	115.7	804.0	885.8	1 678.6	(D)	FF	(D)
2111	Cigarettes -----	-	3	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	9.5	464.4
2121	Cigars -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2131	Chewing and smoking tobacco -----	-	4	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2141	Tobacco stemming and redrying -----	-	15	10	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
22	Textile mill products --	-	27	22	7.3	62.3	6.6	12.0	52.5	113.8	178.9	295.3	(D)	6.4	101.3
225	Knitting mills -----	-	9	8	4.3	35.7	3.9	7.2	30.1	51.7	62.3	113.4	(D)	4.2	64.3
2251	Women's hosiery, except socks -----	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2252	Hosiery, n.e.c. -----	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2253	Knit outerwear mills -----	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2254	Knit underwear mills -----	-	1	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
227	Floor covering mills -----	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2272	Tufted carpets and rugs -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
228	Yarn and thread mills -----	-	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2281	Yarn mills, except wool -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
229	Miscellaneous textile goods -----	-	6	6	2.0	18.2	1.7	3.1	15.2	45.4	93.8	141.9	(D)	CC	(D)
2293	Paddings and upholstery filling -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2296	Tire cord and fabric -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2297	Nonwoven fabrics -----	-	3	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2298	Cordage and twine -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
23	Apparel and other textile products -----	-	156	115	27.1	180.5	24.7	43.8	156.5	379.7	236.4	610.5	(D)	25.3	224.0
2311	Men's and boys' suits and coats -----	-	13	13	4.0	30.7	3.7	6.6	27.6	59.1	23.7	83.0	(D)	4.5	45.9
232	Men's and boys' furnishings -----	-	71	62	15.7	101.7	14.5	25.6	90.9	216.2	131.9	344.4	(D)	14.9	123.4
2321	Men's and boys' shirts and nightwear -----	-	12	10	2.8	18.3	2.6	4.8	15.0	39.0	29.0	68.0	(D)	2.9	22.2
2322	Men's and boys' underwear -----	-	7	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
2327	Men's and boys' separate trousers -----	-	7	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
2328	Men's and boys' work clothing -----	-	35	34	7.0	42.0	6.3	10.8	36.6	72.7	65.1	137.7	(D)	6.2	48.5
2329	Men's and boys' clothing, n.e.c. -----	E3	8	6	0.8	4.7	0.7	1.3	4.0	6.1	2.0	8.3	(D)	CC	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
23	Apparel and other textile products—Con.														
233	Women's and misses' outerwear -----	-	25	16	3.6	20.3	3.2	5.4	17.6	30.8	12.8	43.3	(D)	2.6	21.8
2331	Women's and misses' blouses and waists -----	-	3	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2335	Women's and misses' dresses -----	E2	12	4	0.4	2.8	0.4	0.6	2.3	3.7	1.8	5.6	0.2	BB	(D)
2337	Women's and misses' suits and coats -----	-	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2339	Women's and misses' outerwear, n.e.c. -----	-	7	7	2.2	12.5	1.9	3.4	10.9	20.7	10.6	31.0	0.3	EE	(D)
234	Women's and children's undergarments -----	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2342	Brassieres and allied garments -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
235	Hats, caps, and millinery -----	-	4	4	0.4	2.5	0.3	0.6	2.0	10.3	8.9	19.1	(D)	BB	(D)
2352	Hats and caps, except millinery -----	-	4	4	0.4	2.5	0.3	0.6	2.0	10.3	8.9	19.1	(D)	BB	(D)
236	Children's outerwear -----	E1	3	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2361	Children's dresses and blouses -----	E1	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
238	Miscellaneous apparel and accessories -----	-	3	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2385	Waterproof outer garments --	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
239	Miscellaneous fabricated textile products -----	-	35	12	1.9	16.8	1.6	3.2	11.5	43.4	49.3	90.8	(D)	1.9	20.8
2392	House furnishings, n.e.c. ----	-	10	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.8	8.6
2394	Canvas and related products -----	-	7	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2399	Fabricated textile products, n.e.c. -----	-	7	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
24	Lumber and wood products -----	E1	555	96	8.3	71.7	7.2	13.5	55.3	133.0	174.8	309.2	9.6	9.3	113.1
2411	Logging camps and logging contractors -----	E4	124	5	0.4	3.5	0.4	0.6	2.8	6.9	10.2	17.1	1.0	BB	(D)
242	Sawmills and planing mills ----	E1	264	39	3.7	29.6	3.3	6.2	23.1	57.5	65.2	123.4	4.4	3.8	43.6
2421	Sawmills and planing mills, general -----	E3	224	24	1.7	12.3	1.6	2.9	10.0	29.7	35.7	65.7	3.1	1.8	21.7
2426	Hardwood dimension and flooring -----	-	26	15	1.9	16.7	1.7	3.2	12.8	27.3	28.2	55.2	1.2	1.8	20.4
243	Millwork, plywood, and structural members -----	-	47	15	1.6	16.2	1.3	2.5	11.3	30.3	29.5	58.9	1.9	1.8	25.5
2431	Millwork -----	-	10	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	6.6
2434	Wood kitchen cabinets -----	-	24	6	0.7	7.3	0.6	1.1	5.3	14.0	11.7	25.3	0.3	0.7	11.0
2435	Hardwood veneer and plywood -----	-	5	4	0.5	5.1	0.4	0.9	3.3	10.3	10.2	20.2	1.2	0.6	7.9
244	Wood containers -----	-	73	26	1.7	15.3	1.6	3.0	12.9	22.7	42.7	67.1	1.6	EE	(D)
2448	Wood pallets and skids -----	E1	56	21	1.1	7.4	1.0	1.8	6.2	13.9	16.1	30.0	1.4	1.0	7.3
2449	Wood containers, n.e.c. -----	-	9	5	0.6	7.7	0.6	1.1	6.6	8.4	26.1	36.3	(D)	0.8	15.1
245	Wood buildings and mobile homes -----	-	7	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.6	7.3
2451	Mobile homes -----	-	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
249	Miscellaneous wood products --	E1	40	8	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.0	10.5
2499	Wood products, n.e.c. -----	-	31	6	0.4	3.0	0.3	0.6	2.2	6.0	8.1	13.9	0.3	0.7	6.7
25	Furniture and fixtures -	-	93	38	4.5	36.1	3.8	7.1	26.4	68.3	74.2	141.3	4.6	4.9	54.4
251	Household furniture -----	-	59	24	3.0	23.3	2.6	5.0	17.4	45.4	48.9	93.8	(D)	3.5	38.5
2511	Wood household furniture ---	-	24	7	1.1	7.7	1.0	1.9	6.4	13.4	15.3	28.5	(D)	1.0	7.1
2512	Upholstered household furniture -----	E2	11	6	0.4	3.0	0.3	0.5	2.0	5.3	5.1	10.3	0.1	0.7	7.6
2514	Metal household furniture ---	-	5	5	1.1	8.2	0.9	1.8	6.1	16.2	19.1	34.9	1.7	EE	(D)
2515	Mattresses and bedsprings --	-	15	3	0.2	2.1	0.2	0.3	1.3	6.2	7.1	13.4	0.1	AA	(D)
2519	Household furniture, n.e.c. ---	-	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
252	Office furniture -----	-	5	4	0.7	5.6	0.5	0.9	3.9	10.6	7.4	17.5	(D)	0.7	8.2
2521	Wood office furniture -----	-	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2522	Metal office furniture -----	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
254	Partitions and fixtures -----	-	18	5	0.3	3.2	0.3	0.5	1.9	5.5	5.6	11.1	(D)	BB	(D)
2541	Wood partitions and fixtures -	-	17	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
259	Miscellaneous furniture and fixtures -----	-	5	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2591	Drapery hardware and blinds and shades -----	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977												1972	
		E¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials³ (million dollars)	Value of shipments³ (million dollars)	New capital expenditures (million dollars)	All employees² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
26	Paper and allied products -----	-	54	39	4.8	66.3	3.7	7.6	46.0	191.8	248.2	437.6	(D)	6.4	118.4
2611	Pulp mills -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2621	Paper mills, except building paper -----	-	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
264	Miscellaneous converted paper products -----	-	21	11	1.6	18.3	1.3	2.6	12.7	66.5	82.5	148.7	(D)	FF	(D)
2641	Paper coating and glazing -----	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2642	Envelopes -----	E1	4	2	0.2	1.9	0.1	0.3	1.2	4.1	3.7	7.7	0.1	(NA)	(NA)
2643	Bags, except textile bags -----	-	5	4	0.8	10.3	0.6	1.3	6.4	25.4	46.9	72.7	(D)	EE	(D)
2649	Converted paper products, n.e.c. -----	-	8	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
265	Paperboard containers and boxes -----	-	28	23	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.8	54.0
2651	Folding paperboard boxes -----	-	5	4	0.3	4.6	0.3	0.5	3.2	9.3	15.4	24.7	(D)	BB	(D)
2653	Corrugated and solid fiber boxes -----	-	15	11	1.2	14.7	0.8	1.6	9.5	31.7	49.9	80.8	3.6	1.1	15.8
2654	Sanitary food containers -----	-	5	5	0.7	8.5	0.6	1.3	6.7	24.9	23.8	48.0	0.9	1.1	29.5
27	Printing and publishing -----	-	506	88	13.7	158.5	9.4	18.1	98.2	396.2	207.1	601.5	20.9	11.6	175.4
2711	Newspapers -----	-	160	29	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.6	61.1
2721	Periodicals -----	E3	21	2	0.2	2.0	(Z)	0.1	0.4	4.7	3.3	8.0	0.1	0.3	3.2
273	Books -----	-	16	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2731	Book publishing -----	-	7	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2732	Book printing -----	-	9	4	1.4	12.8	1.3	2.3	11.0	24.1	21.0	45.2	(D)	CC	(D)
275	Commercial printing -----	-	265	40	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	5.8	85.8
2751	Commercial printing, letterpress -----	E3	145	10	0.9	9.6	0.7	1.3	6.8	13.9	12.6	26.5	1.0	1.0	11.3
2752	Commercial printing, lithographic -----	-	105	23	3.1	36.4	2.3	4.4	23.1	71.4	54.6	125.3	7.4	EE	(D)
2753	Engraving and plate printing -----	E1	11	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.3	3.6
2754	Commercial printing, gravure -----	-	4	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.3	36.3
2761	Manifold business forms -----	-	4	3	0.6	5.7	0.5	0.9	4.3	18.7	10.2	28.2	1.2	AA	(D)
2771	Greeting card publishing -----	-	2	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
279	Printing trade services -----	E1	21	2	0.2	2.7	0.2	0.3	2.1	5.2	1.2	6.3	0.3	BB	(D)
28	Chemicals and allied products -----	-	130	72	15.7	245.0	10.7	22.1	156.2	1 011.5	1 474.8	2 480.4	122.4	12.9	487.7
281	Industrial inorganic chemicals --	-	17	8	3.7	55.8	2.5	5.2	36.0	189.5	306.8	496.8	5.8	FF	(D)
2819	Industrial inorganic chemicals, n.e.c. -----	-	8	7	3.6	53.5	2.4	5.0	34.3	181.8	294.3	476.7	(D)	EE	(D)
282	Plastics materials and synthetics -----	-	11	9	4.9	90.9	3.5	7.1	60.5	314.6	543.8	858.3	42.2	4.5	191.8
2821	Plastics materials and resins -----	-	9	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
2822	Synthetic rubber -----	-	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
284	Soaps, cleaners, and toilet goods -----	E4	13	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2842	Polishes and sanitation goods -----	-	5	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2851	Paints and allied products -----	-	22	20	1.7	23.4	0.9	1.6	9.4	119.8	120.7	240.0	(D)	1.9	76.5
286	Industrial organic chemicals ---	-	13	13	3.4	55.0	2.4	5.3	37.3	289.0	379.7	665.8	41.8	2.7	101.2
2861	Gum and wood chemicals ---	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2865	Cyclic crudes and intermediates -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2869	Industrial organic chemicals, n.e.c. -----	-	11	11	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
287	Agricultural chemicals -----	-	23	13	0.6	5.0	0.4	0.8	2.7	18.7	56.5	74.1	(D)	0.5	8.6
2875	Fertilizers, mixing only -----	-	19	9	0.4	3.6	0.3	0.6	2.0	13.9	38.5	50.7	2.1	0.3	4.4
289	Miscellaneous chemical products -----	-	20	6	0.6	8.5	0.5	1.0	5.5	61.6	44.8	105.0	(D)	BB	(D)
2891	Adhesives and sealants -----	-	6	3	0.4	5.5	0.3	0.7	3.8	47.1	29.8	76.2	(D)	BB	(D)
29	Petroleum and coal products -----	-	36	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2911	Petroleum refining -----	-	5	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
295	Paving and roofing materials ---	-	26	2	0.3	3.3	0.2	0.4	2.7	9.7	28.0	37.7	1.1	(NA)	(NA)
2951	Paving mixtures and blocks ---	-	25	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
30	Rubber and miscellaneous plastics products -----	-	88	52	9.4	111.9	7.4	14.8	80.5	350.5	347.2	694.4	31.5	5.1	138.9
3011	Tires and inner tubes -----	-	4	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3041	Rubber and plastics hose and belting -----	-	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3069	Fabricated rubber products, n.e.c. -----	-	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3079	Miscellaneous plastics products -----	-	78	45	6.1	65.5	4.9	9.8	45.7	193.8	218.8	408.5	24.1	FF	(D)
31	Leather and leather products -----	-	18	13	4.2	26.9	3.7	6.7	23.9	68.4	62.5	130.7	2.2	5.0	56.7
3111	Leather tanning and finishing --	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
314	Footwear, except rubber -----	-	11	9	3.6	22.3	3.1	5.7	19.7	56.9	35.6	92.7	(D)	FF	(D)
3143	Men's footwear, except athletic -----	-	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3144	Women's footwear, except athletic -----	-	8	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
32	Stone, clay, and glass products -----	E1	272	71	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	8.9	186.0
322	Glass and glassware, pressed or blown -----	-	7	6	1.5	20.3	1.1	2.2	14.2	62.8	24.8	87.2	(D)	EE	(D)
3229	Pressed and blown glass, n.e.c. -----	-	7	6	1.5	20.3	1.1	2.2	14.2	62.8	24.8	87.2	(D)	EE	(D)
3241	Cement, hydraulic -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
325	Structural clay products -----	-	18	12	1.2	13.1	1.0	2.0	10.1	31.0	17.4	48.4	2.1	1.3	18.7
3251	Brick and structural clay tile --	-	10	6	0.3	3.1	0.3	0.5	2.3	10.6	5.2	15.5	0.9	BB	(D)
3253	Ceramic wall and floor tile ---	-	3	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3255	Clay refractories -----	-	3	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.3	3.5
326	Pottery and related products ---	-	15	7	0.7	6.5	0.6	1.1	5.1	13.8	4.3	17.4	0.1	0.7	8.7
3261	Vitreous plumbing fixtures ---	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3269	Pottery products, n.e.c. -----	E1	10	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
327	Concrete, gypsum, and plaster products -----	E3	192	36	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.1	36.2
3271	Concrete block and brick ---	E4	35	10	0.5	5.3	0.3	0.6	2.7	13.5	14.8	28.3	1.3	0.5	9.0
3272	Concrete products, n.e.c. ---	E3	50	8	0.7	6.9	0.5	1.0	5.0	15.9	12.0	26.6	2.2	0.5	7.5
3273	Ready-mixed concrete -----	E2	106	18	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.1	19.7
329	Miscellaneous nonmetallic mineral products -----	-	25	8	1.7	18.8	1.4	2.8	14.5	46.0	26.8	72.5	2.6	2.7	58.8
3292	Asbestos products -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3293	Gaskets, packing, and sealing devices -----	-	4	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3297	Nonclay refractories -----	-	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
33	Primary metal industries -----	-	61	49	17.3	285.7	13.8	27.0	216.9	670.8	1 530.0	2 180.0	55.3	15.2	400.9
331	Blast furnace and basic steel products -----	-	12	11	8.2	154.6	6.7	13.3	121.2	281.8	460.1	741.7	39.7	8.0	224.6
3312	Blast furnaces and steel mills -----	-	5	5	6.7	133.7	5.5	10.7	104.8	234.8	365.5	596.2	33.6	6.1	167.0
3313	Electrometallurgical products -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3315	Steel wire and related products -----	-	4	3	0.7	8.0	0.6	1.2	5.9	11.1	17.9	28.4	(D)	BB	(D)
3317	Steel pipe and tubes -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
332	Iron and steel foundries -----	-	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	0.7
3321	Gray iron foundries -----	-	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
333	Primary nonferrous metals ----	-	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3334	Primary aluminum -----	-	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
335	Nonferrous rolling and drawing - Aluminum sheet, plate, and foil -----	-	23	22	5.1	73.1	4.0	7.9	55.3	201.9	807.9	1 006.1	9.9	4.3	128.5
3353	Aluminum extruded products -	-	4	4	2.0	36.0	1.6	3.0	28.2	75.1	370.2	442.8	(D)	EE	(D)
3354	Aluminum rolling and drawing, n.e.c. -----	-	5	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3355	Aluminum rolling and drawing, n.e.c. -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3356	Nonferrous rolling and drawing, n.e.c. -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3357	Nonferrous wire drawing and insulating -----	-	10	10	2.0	20.7	1.5	3.1	15.0	76.9	145.4	217.6	4.8	1.4	33.1
336	Nonferrous foundries -----	-	8	5	1.4	14.5	1.2	1.9	9.7	37.2	35.5	71.8	1.9	1.1	13.0
3361	Aluminum foundries -----	-	5	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3369	Nonferrous foundries, n.e.c. -	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
339	Miscellaneous primary metal products -----	-	9	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3399	Primary metal products, n.e.c. -----	-	5	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B.															
SIC code	Industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
34	Fabricated metal products -----	-	304	146	22.2	260.8	17.4	34.4	187.0	575.0	650.4	1 216.6	35.4	18.0	299.2
341	Metal cans and shipping containers -----	-	5	3	0.3	4.2	0.2	0.5	3.2	15.1	21.5	36.5	(D)	0.2	5.0
3412	Metal barrels, drums, and pails -----	-	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
342	Cutlery, hand tools, and hardware -----	-	19	11	2.4	26.4	2.0	3.7	20.6	47.8	59.6	106.6	5.0	1.4	20.3
3423	Hand and edge tools, n.e.c. -	-	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3425	Hand saws and saw blades -	-	5	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3429	Hardware, n.e.c. -----	-	11	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
343	Plumbing and heating, except electric -----	-	10	9	2.8	37.3	2.2	4.8	28.3	111.0	104.9	212.6	4.3	2.2	48.3
3431	Metal sanitary ware -----	-	3	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3432	Plumbing fittings and brass goods -----	-	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3433	Heating equipment, except electric -----	-	5	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
344	Fabricated structural metal products -----	-	118	46	4.0	45.4	3.1	5.8	30.2	91.2	118.3	209.5	6.8	3.4	53.4
3441	Fabricated structural metal -	-	24	8	0.6	7.4	0.5	1.0	5.2	13.7	17.3	31.4	1.4	BB	(D)
3442	Metal doors, sash, and trim -	E1	17	10	1.2	8.5	1.0	1.6	5.5	20.5	22.0	42.7	3.1	EE	(D)
3443	Fabricated plate work (boiler shops) -----	-	23	10	0.9	12.7	0.6	1.2	8.1	24.1	21.5	45.6	1.1	0.6	10.8
3444	Sheet metal work -----	-	29	9	0.7	9.0	0.5	1.0	6.7	20.5	38.1	57.9	0.4	0.4	9.6
3446	Architectural metal work -	-	19	4	0.3	3.4	0.2	0.4	2.4	4.3	8.9	13.1	0.3	AA	(D)
3448	Prefabricated metal buildings -----	E2	6	5	0.3	4.3	0.2	0.5	2.3	8.1	10.5	18.8	0.5	AA	(D)
345	Screw machine products, bolts, etc. -----	-	9	7	0.9	9.8	0.6	1.4	6.9	28.8	28.6	56.7	0.7	CC	(D)
3452	Bolts, nuts, rivets, and washers -----	-	6	6	0.8	9.3	0.6	1.3	6.6	27.8	28.1	55.3	(D)	CC	(D)
346	Metal forgings and stampings -	E1	37	22	2.6	27.6	2.2	4.2	19.5	54.0	52.5	106.1	2.6	2.4	31.5
3465	Automotive stampings -----	E4	5	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3469	Metal stampings, n.e.c. -----	-	30	17	2.0	21.1	1.7	3.3	15.2	38.6	37.6	76.3	2.2	1.8	24.4
347	Metal services, n.e.c. -----	E1	39	16	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.7	7.5
3471	Plating and polishing -----	E1	28	11	0.6	5.7	0.5	1.1	4.2	10.0	6.8	16.8	0.6	BB	(D)
3479	Metal coating and allied services -----	-	11	5	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
349	Miscellaneous fabricated metal products -----	-	65	31	8.4	101.9	6.4	12.4	72.2	210.2	251.6	458.3	14.3	6.8	113.3
3494	Valves and pipe fittings -----	-	5	4	3.0	41.6	2.0	3.9	26.8	80.2	62.7	144.5	6.0	2.6	48.1
3495	Wire springs -----	-	6	5	2.2	23.9	1.9	3.7	19.5	55.7	51.4	107.2	(D)	1.2	21.1
3496	Miscellaneous fabricated wire products -----	E2	12	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3497	Metal foil and leaf -----	-	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3498	Fabricated pipe and fittings -	-	7	5	0.9	11.4	0.7	1.4	8.5	21.2	29.8	48.9	(D)	0.4	7.4
3499	Fabricated metal products, n.e.c. -----	-	31	8	1.4	14.9	1.1	2.2	10.0	35.9	31.2	65.7	2.7	EE	(D)
35	Machinery, except electrical -----	-	413	135	38.8	554.6	27.3	51.7	344.0	1 323.5	1 269.2	2 523.3	96.0	32.1	685.4
352	Farm and garden machinery -	-	12	6	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3523	Farm machinery and equipment -----	-	10	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3524	Lawn and garden equipment -	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
353	Construction and related machinery -----	-	52	30	6.5	83.7	4.1	7.9	47.4	198.1	229.2	416.9	9.7	2.4	44.3
3531	Construction machinery -	-	8	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3532	Mining machinery -----	-	20	11	2.0	24.1	1.4	2.5	15.5	72.1	74.1	138.5	4.0	CC	(D)
3534	Elevators and moving stairways -----	-	3	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3535	Conveyors and conveying equipment -----	-	13	12	2.0	28.0	1.2	2.3	13.3	59.6	47.9	106.1	2.3	1.3	25.4
3537	Industrial trucks and tractors -	-	8	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
354	Metalworking machinery -----	E1	90	17	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3544	Special dies, tools, jigs, and fixtures -----	E1	74	10	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.6	8.1
3545	Machine tool accessories -	-	3	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3549	Metalworking machinery, n.e.c. -----	-	4	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
355	Special industry machinery -	-	36	17	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3551	Food products machinery -	-	7	6	0.8	13.5	0.5	1.1	8.4	19.0	10.7	29.8	0.6	BB	(D)
3552	Textile machinery -----	-	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3559	Special industry machinery, n.e.c. -----	-	15	7	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.7	7.6
356	General industrial machinery -	-	39	20	4.1	50.7	2.7	5.3	30.1	131.6	132.5	253.0	15.3	3.6	81.2
3562	Ball and roller bearings -	-	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3563	Air and gas compressors -	-	4	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3564	Blowers and fans -----	-	9	7	0.8	10.3	0.5	0.9	6.1	24.1	14.2	39.3	1.0	EE	(D)
3568	Power transmission equipment, n.e.c. -----	-	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3569	General industrial machinery, n.e.c. -----	-	14	6	0.6	6.6	0.4	0.9	3.6	11.8	13.1	24.1	(D)	BB	(D)

See footnotes at end of table.

**Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.**

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
35	Machinery, except electrical—Con.														
357	Office and computing machines -----	-	7	6	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3573	Electronic computing equipment -----	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3579	Office machines, n.e.c. and typewriters -----	-	4	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
358	Refrigeration and service machinery -----	-	19	15	9.1	114.2	7.4	14.1	84.6	245.4	316.6	557.4	12.8	9.1	169.4
3582	Commercial laundry equipment -----	-	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3585	Refrigeration and heating equipment -----	-	9	8	7.9	99.8	6.6	12.6	76.3	215.3	292.1	503.0	12.1	8.2	154.6
3589	Service industry machinery, n.e.c. -----	-	6	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
359	Miscellaneous machinery, except electrical -----	-	158	24	4.2	44.2	3.6	6.6	35.3	84.2	32.2	113.1	(D)	3.3	51.5
3592	Carburetors, pistons, rings, and valves -----	-	4	3	2.5	26.3	2.2	4.0	23.0	52.0	16.9	66.1	1.1	EE	(D)
3599	Machinery, except electrical, n.e.c. -----	E2	154	21	1.7	17.9	1.4	2.5	12.4	32.2	15.3	47.0	(D)	EE	(D)
36	Electric and electronic equipment -	-	110	66	31.5	368.4	26.0	49.3	272.8	1 103.8	975.1	2 050.2	50.5	34.6	826.1
361	Electric distributing equipment -	-	17	13	5.1	55.3	4.1	7.7	38.7	145.4	110.3	253.8	4.3	4.9	87.4
3612	Transformers -----	-	4	4	1.4	15.1	1.1	2.0	10.1	29.7	56.8	84.6	1.0	EE	(D)
3613	Switchgear and switchboard apparatus -----	-	13	9	3.8	40.2	3.0	5.7	28.5	115.7	53.5	169.2	3.3	FF	(D)
362	Electrical industrial apparatus --	-	12	8	3.5	35.4	2.9	5.6	27.9	93.5	89.0	178.4	6.0	2.7	46.6
3621	Motors and generators -----	-	3	3	2.3	21.2	1.9	3.7	17.5	53.5	64.3	118.4	4.5	EE	(D)
3622	Industrial controls -----	-	4	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3629	Electrical industrial apparatus, n.e.c. -----	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
363	Household appliances -----	-	12	9	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3631	Household cooking equipment -----	-	3	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3632	Household refrigerators and freezers -----	-	2	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3633	Household laundry equipment -----	-	1	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3634	Electric housewares and fans -----	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3639	Household appliances, n.e.c. -----	-	4	4	3.8	47.6	3.2	5.9	35.3	136.9	153.1	284.6	7.1	FF	(D)
364	Electric lighting and wiring equipment -----	-	19	15	3.8	40.7	3.1	6.1	30.9	124.4	83.8	208.5	5.0	4.0	88.1
3641	Electric lamps -----	-	6	5	2.5	27.5	2.1	4.1	22.0	95.2	51.5	146.0	4.1	EE	(D)
3644	Noncurrent-carrying wiring devices -----	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3645	Residential lighting fixtures --	-	4	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
365	Radio and TV receiving equipment -----	-	10	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3651	Radio and TV receiving sets -	-	6	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
366	Communication equipment ----	E1	9	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3662	Radio and TV communication equipment --	E1	9	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
367	Electronic components and accessories -----	-	10	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3671	Electron tubes, all types ----	-	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3675	Electronic capacitors -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3679	Electronic components, n.e.c. -----	-	6	3	0.2	1.8	0.2	0.4	1.3	4.4	2.6	7.0	(D)	AA	(D)
369	Miscellaneous electrical equipment and supplies -----	-	21	10	1.9	18.9	1.5	2.7	11.7	38.9	47.2	85.2	(D)	1.3	14.5
3691	Storage batteries -----	-	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3694	Engine electrical equipment -	-	8	5	1.2	10.4	0.9	1.6	6.0	18.0	20.0	40.0	0.7	CC	(D)
37	Transportation equipment -----	-	85	34	14.6	246.1	12.3	24.3	190.1	951.3	2 323.8	3 233.8	35.9	11.1	416.4
371	Motor vehicles and equipment -	-	47	24	13.2	229.9	11.1	22.1	178.1	915.5	2 282.3	3 158.2	(D)	FF	(D)
3711	Motor vehicles and car bodies -----	-	3	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3713	Truck and bus bodies -----	E1	15	5	0.4	4.3	0.3	0.6	3.0	7.7	12.0	19.6	0.3	(NA)	(NA)
3714	Motor vehicle parts and accessories -----	-	26	15	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3715	Truck trailers -----	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
373	Ship and boat building and repairing -----	-	24	5	0.7	7.3	0.6	1.1	5.9	14.8	9.9	24.6	(D)	CC	(D)
3731	Ship building and repairing --	-	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3732	Boat building and repairing --	E1	21	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3743	Railroad equipment -----	-	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3751	Motorcycles, bicycles, and parts -----	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B.]

SIC code	Industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
38	Instruments and related products -----	-	39	12	3.3	31.7	2.5	4.7	23.6	96.6	83.8	180.1	3.2	4.2	77.8
382	Measuring and controlling devices -----	-	9	4	1.6	14.5	1.3	2.3	11.6	49.2	22.7	73.1	1.8	EE	(D)
3822	Environmental controls -----	-	3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3823	Process control instruments -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
384	Medical instruments and supplies -----	-	18	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3842	Surgical appliances and supplies -----	-	14	3	0.8	7.8	0.7	1.3	6.2	17.7	21.9	38.7	(D)	EE	(D)
3843	Dental equipment and supplies -----	-	3	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3861	Photographic equipment and supplies -----	-	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
39	Miscellaneous manufacturing industries -----	-	112	34	3.8	33.2	3.1	5.8	23.3	88.9	80.6	166.8	3.8	4.6	66.9
394	Toys and sporting goods -----	-	22	12	1.6	13.2	1.3	2.5	9.5	35.0	37.5	70.9	(D)	1.8	27.7
3942	Dolls -----	-	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3944	Games, toys, and children's vehicles -----	-	3	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3949	Sporting and athletic goods, n.e.c. -----	-	16	7	0.6	5.2	0.5	0.8	3.3	12.7	9.6	22.5	0.4	1.4	23.0
395	Pens, pencils, office and art supplies -----	-	11	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	7.0
3955	Carbon paper and inked ribbons -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
396	Costume jewelry and notions --	-	5	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3962	Artificial flowers -----	-	4	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3964	Needles, pins, and fasteners -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
399	Miscellaneous manufactures ---	E1	67	16	1.3	11.9	1.1	2.0	8.2	28.6	21.1	49.4	(D)	2.0	22.8
3993	Signs and advertising displays -----	E4	38	7	0.4	4.5	0.3	0.6	2.6	7.8	5.5	13.3	0.3	0.6	7.1
3995	Burial caskets -----	-	8	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3999	Manufacturing industries, n.e.c. -----	E1	18	6	0.5	3.6	0.4	0.7	2.4	4.8	3.4	8.1	0.2	1.0	10.2
-	Administrative and auxiliary -----	-	112	58	11.3	199.6	-	-	-	-	-	-	-	(NA)	(NA)

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Statistics for some industry groups and industries are withheld to avoid disclosing figures for individual companies. However, for such industry groups and industries with 150 employees or more, number of establishments is shown and employment size range is indicated by one of the following symbols: AA—150 to 249 employees; BB—250 to 499 employees; CC—500 to 999 employees; EE—1,000 to 2,499 employees; FF—2,500 employees or more. Statistics for industry groups shown include data for all component industries, regardless of whether data are shown for individual industries in the group.
³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Cincinnati-Hamilton, Ohio-Ky.-Ind., SCSA -----	-	2 373	958	189.6	2 944.3	117.7	238.4	1 618.9	6 608.2	7 196.2	13 769.5	357.1	185.5	4 145.4
20	Food and kindred products --	-	157	79	16.2	249.8	10.3	21.9	155.3	795.5	1 183.0	1 976.7	(D)	(NA)	(NA)
2011	Meat packing plants -----	-	17	7	1.4	24.5	1.0	2.0	16.1	49.9	179.2	229.8	(D)	(NA)	(NA)
2026	Fluid milk -----	-	15	8	1.0	15.7	0.5	1.1	7.4	28.9	123.9	152.9	3.5	(NA)	(NA)
203	Preserved fruits and vegetables -----	-	12	6	0.6	6.4	0.5	0.9	5.1	32.5	51.8	84.3	1.2	(NA)	(NA)
2033	Canned fruits and vegetables -----	-	7	5	0.5	5.6	0.5	0.9	4.7	30.6	48.4	79.0	(D)	(NA)	(NA)
2085	Distilled liquor, except brandy -----	-	5	5	2.6	44.6	2.1	4.7	35.0	155.5	134.7	290.4	3.9	(NA)	(NA)
22	Textile mill products -----	-	15	6	0.8	8.0	0.5	1.1	5.3	21.8	16.4	37.7	1.0	(NA)	(NA)
229	Miscellaneous textile goods -----	-	5	3	0.5	5.1	0.3	0.7	3.1	14.9	9.1	23.5	(D)	(NA)	(NA)
24	Lumber and wood products --	-	75	23	1.6	15.7	1.3	2.6	10.8	35.0	39.9	74.2	1.4	(NA)	(NA)
25	Furniture and fixtures -----	-	61	24	3.7	36.5	3.0	5.3	24.9	72.4	88.3	159.6	(D)	4.6	66.9
26	Paper and allied products ---	-	110	74	12.0	168.0	9.5	19.6	126.2	318.4	473.9	795.2	18.3	12.3	222.9
265	Paperboard containers and boxes -----	-	53	36	4.8	59.8	3.8	7.5	44.2	118.2	167.7	283.0	(D)	(NA)	(NA)
27	Printing and publishing -----	-	377	103	13.2	165.0	8.0	14.9	97.1	369.3	215.3	581.7	(D)	14.3	269.7
2721	Periodicals -----	-	18	4	0.9	6.0	0.1	0.3	2.1	32.1	6.0	37.8	(D)	(NA)	(NA)
2741	Miscellaneous publishing -----	-	13	3	0.4	3.8	0.1	0.2	1.0	8.2	13.1	21.2	0.1	(NA)	(NA)
2752	Commercial printing, lithographic -----	-	115	27	3.5	45.8	2.7	4.9	33.1	88.5	54.3	142.8	(D)	(NA)	(NA)
278	Blankbooks and bookbinding -----	-	16	12	0.7	6.8	0.5	1.0	4.9	12.6	4.1	16.6	0.3	(NA)	(NA)
2782	Blankbooks and looseleaf binders -----	-	6	6	0.4	4.0	0.3	0.5	2.8	8.0	2.7	10.7	0.2	(NA)	(NA)
2789	Bookbinding and related work -----	-	10	6	0.3	2.8	0.3	0.4	2.1	4.6	1.4	5.9	0.1	(NA)	(NA)
279	Printing trade services -----	-	32	12	0.6	10.4	0.4	0.8	7.4	16.2	4.1	20.0	0.8	(NA)	(NA)
2795	Lithographic platemaking services --	-	12	8	0.3	7.0	0.2	0.5	5.0	10.7	3.1	13.6	0.4	(NA)	(NA)
28	Chemicals and allied products -----	-	120	53	12.9	207.4	7.7	15.2	113.2	1 274.7	919.6	2 185.6	53.8	11.9	798.9
281	Industrial inorganic chemicals -----	-	17	7	1.1	17.9	0.7	1.4	10.4	65.1	46.2	112.0	(D)	(NA)	(NA)
2851	Paints and allied products -----	-	13	6	0.6	8.7	0.3	0.6	3.4	32.8	33.9	65.7	0.6	(NA)	(NA)
286	Industrial organic chemicals -----	-	10	6	2.1	32.6	1.5	2.8	21.0	92.5	120.2	205.1	11.0	(NA)	(NA)
2893	Printing ink -----	-	12	7	0.6	7.6	0.3	0.6	4.4	18.2	25.5	43.4	(D)	(NA)	(NA)
2952	Asphalt felts and coatings -----	-	5	3	1.2	15.7	1.0	2.1	12.8	41.9	44.3	85.1	(D)	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	-	84	37	4.9	62.0	3.9	7.7	43.4	130.8	144.7	274.5	27.5	(NA)	(NA)
31	Leather and leather products -----	-	11	4	1.1	8.8	0.9	1.7	6.5	17.9	9.7	27.6	0.1	(NA)	(NA)
34	Fabricated metal products ---	-	289	137	20.1	298.8	15.5	31.2	209.8	608.0	659.3	1 261.3	38.2	19.3	363.2
341	Metal cans and shipping containers -----	-	5	5	1.4	21.6	1.1	2.4	16.2	51.6	76.8	127.6	2.9	(NA)	(NA)
3452	Bolts, nuts, rivets, and washers -----	-	7	5	0.3	4.0	0.2	0.4	2.6	10.8	10.0	20.7	0.4	(NA)	(NA)
349	Miscellaneous fabricated metal products -----	-	76	31	6.1	78.5	4.5	8.5	50.5	168.4	140.1	309.4	(D)	(NA)	(NA)
354	Metalworking machinery ---	-	108	36	10.5	163.6	5.7	11.6	83.4	274.2	147.9	428.8	12.9	(NA)	(NA)
356	General industrial machinery -----	-	52	23	4.8	56.1	3.4	5.8	33.5	128.9	117.3	246.7	(D)	(NA)	(NA)
3564	Blowers and fans -----	-	12	4	0.3	3.4	0.2	0.4	2.1	6.7	6.3	12.9	(D)	(NA)	(NA)
359	Miscellaneous machinery, except electrical -----	E1	148	22	1.9	22.8	1.5	2.7	15.3	43.8	22.2	65.4	2.6	(NA)	(NA)
362	Electrical industrial apparatus -----	-	10	5	2.2	33.9	1.2	2.7	15.7	61.5	37.1	98.2	(D)	(NA)	(NA)
364	Electric lighting and wiring equipment -----	-	17	13	1.8	19.4	1.2	2.3	10.9	40.6	38.5	77.8	1.2	(NA)	(NA)
3643	Current-carrying wiring devices -----	-	9	8	1.0	10.9	0.7	1.4	6.5	21.0	17.2	36.3	0.6	(NA)	(NA)
369	Miscellaneous electrical equipment and supplies --	-	8	3	0.6	7.1	0.4	0.8	4.4	12.1	8.9	22.3	(D)	(NA)	(NA)
38	Instruments and related products -----	E1	49	20	1.8	21.2	1.2	2.3	11.5	40.5	36.6	76.1	1.8	(NA)	(NA)
382	Measuring and controlling devices -----	-	20	11	0.6	7.5	0.4	0.7	3.4	13.4	8.0	21.2	0.5	(NA)	(NA)
3829	Measuring and controlling devices, n.e.c. -----	-	10	7	0.4	4.0	0.2	0.4	1.7	7.4	4.1	11.4	0.2	(NA)	(NA)
384	Medical instruments and supplies -----	E1	16	4	0.8	8.7	0.6	1.0	5.0	21.7	22.1	43.3	1.1	(NA)	(NA)
3944	Games, toys, and children's vehicles -----	-	5	1	1.9	17.3	1.3	3.1	11.8	93.8	61.5	151.7	(D)	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code															SMSA and industry															1977															1972	

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Cincinnati, Ohio-Ky.-Ind., SMSA—Con.														
30	Rubber and miscellaneous plastics products -----	-	77	33	4.7	59.8	3.7	7.4	41.8	125.8	139.8	264.6	27.5	4.5	69.8
31	Leather and leather products -----	-	11	4	1.1	8.8	0.9	1.7	6.5	17.9	9.7	27.6	0.1	1.3	13.9
32	Stone, clay, and glass products -----	-	100	29	2.3	28.1	1.7	3.3	18.4	64.2	66.9	130.2	5.1	2.3	48.4
327	Concrete, gypsum, and plaster products -----	E1	57	16	0.9	10.2	0.5	1.1	5.6	23.2	25.7	49.0	2.4	0.9	18.5
3272	Concrete products, n.e.c. -----	-	17	6	0.3	3.5	0.2	0.4	2.1	6.0	4.9	11.1	0.3	0.3	5.8
3273	Ready-mixed concrete -----	E2	31	9	0.5	5.8	0.3	0.5	3.0	15.3	18.2	33.5	2.0	0.5	11.1
329	Miscellaneous nonmetallic mineral products -----	-	21	5	0.4	5.4	0.3	0.5	2.7	12.5	14.7	27.3	0.4	0.6	15.1
33	Primary metal industries ----	-	53	31	5.0	74.3	3.9	7.9	53.5	130.3	142.5	265.4	6.6	4.9	83.9
332	Iron and steel foundries ----	-	9	7	0.8	8.9	0.6	1.1	6.2	15.6	9.2	24.8	(D)	0.9	9.6
336	Nonferrous foundries ----	-	20	12	0.9	12.3	0.8	1.6	9.9	27.1	20.1	46.4	1.1	0.9	13.0
3361	Aluminum foundries ----	-	12	9	0.8	10.7	0.7	1.3	8.6	20.8	15.4	36.0	(D)	(NA)	(NA)
339	Miscellaneous primary metal products -----	E1	14	6	0.5	4.3	0.4	0.8	2.8	8.7	4.0	12.9	1.4	0.4	5.6
34	Fabricated metal products ---	-	250	120	14.1	183.9	10.9	21.5	124.1	376.3	391.2	767.4	23.4	14.4	230.0
341	Metal cans and shipping containers -----	-	5	5	1.4	21.6	1.1	2.4	16.2	51.6	76.8	127.6	2.9	1.2	26.4
342	Cutlery, hand tools, and hardware -----	-	14	6	1.0	12.4	0.9	1.6	10.4	17.2	30.5	46.9	1.4	(NA)	(NA)
344	Fabricated structural metal products -----	-	76	43	4.7	62.3	3.5	7.0	40.0	126.1	125.6	251.2	7.1	5.2	79.8
3441	Fabricated structural metal -----	-	17	6	0.5	6.5	0.3	0.7	3.5	16.6	13.3	30.1	1.2	0.5	9.7
3443	Fabricated plate work (boiler shops) -----	-	15	11	1.6	20.7	1.2	2.3	13.5	41.8	33.6	75.2	1.8	0.8	12.2
3444	Sheet metal work -----	-	22	15	1.2	16.0	0.9	1.7	9.9	28.0	33.2	61.6	1.4	1.8	27.7
3446	Architectural metal work -----	-	8	4	0.3	3.2	0.2	0.5	2.4	6.1	6.7	12.7	(D)	(NA)	(NA)
345	Screw machine products, bolts, etc. -----	-	16	12	0.5	6.5	0.4	0.7	4.4	15.3	12.7	27.9	0.6	0.4	7.9
3452	Bolts, nuts, rivets, and washers -----	-	7	5	0.3	4.0	0.2	0.4	2.6	10.8	10.0	20.7	0.4	(NA)	(NA)
346	Metal forgings and stampings -----	-	28	16	1.6	18.0	1.2	2.2	11.6	33.9	31.6	65.3	2.4	1.7	23.8
3469	Metal stampings, n.e.c. ---	-	24	13	1.5	16.5	1.1	2.0	10.8	31.5	29.8	61.1	(D)	1.6	22.1
347	Metal services, n.e.c. -----	-	43	11	0.9	9.5	0.7	1.4	6.6	16.7	12.8	29.6	1.6	0.9	10.6
3471	Plating and polishing ---	E1	30	9	0.7	7.1	0.6	1.1	5.1	11.9	9.0	21.0	1.4	0.6	7.2
349	Miscellaneous fabricated metal products -----	-	60	23	4.0	51.9	3.0	5.8	33.8	112.6	98.5	213.4	7.3	4.4	76.3
3494	Valves and pipe fittings ---	-	12	8	2.8	40.4	2.2	4.1	26.7	90.5	78.5	171.6	6.6	3.0	61.9
3499	Fabricated metal products, n.e.c. -----	-	32	9	0.7	8.0	0.5	0.9	4.3	15.5	13.4	28.6	0.4	0.9	8.8
35	Machinery, except electrical -	-	367	121	23.4	328.8	14.4	28.3	179.5	624.7	459.5	1 084.0	27.6	17.3	314.2
353	Construction and related machinery -----	-	22	9	1.2	16.4	0.7	1.5	8.5	32.5	31.6	62.2	1.3	1.2	23.1
3535	Conveyors and conveying equipment --	-	8	3	0.7	9.3	0.3	0.6	3.5	16.8	17.2	32.4	0.5	0.8	14.3
354	Metalworking machinery ---	-	101	35	10.5	163.1	5.7	11.5	83.0	273.0	147.3	427.1	12.9	9.4	144.8
3545	Machine tool accessories -----	E2	10	6	0.7	10.8	0.6	1.1	6.9	19.5	9.0	28.5	0.2	0.6	9.6
3549	Metalworking machinery, n.e.c. -----	-	7	4	0.5	7.8	0.3	0.8	4.8	14.3	12.0	25.0	0.6	(NA)	(NA)
355	Special industry machinery -----	-	43	19	2.4	35.1	1.5	3.0	19.6	76.2	79.5	153.5	2.4	2.0	62.5
356	General industrial machinery -----	-	47	22	4.7	55.2	3.4	5.8	33.1	127.7	115.5	243.6	7.7	1.6	30.9
3564	Blowers and fans -----	-	12	4	0.3	3.4	0.2	0.4	2.1	6.7	6.3	12.9	(D)	(NA)	(NA)
3569	General industrial machinery, n.e.c. -----	-	13	8	0.8	10.8	0.5	1.0	5.3	22.6	18.5	40.6	1.6	0.5	11.5
358	Refrigeration and service machinery -----	-	18	10	2.2	27.4	1.4	2.8	15.7	55.3	56.1	109.4	0.4	0.9	17.0
3589	Service industry machinery, n.e.c. -----	-	7	3	0.4	4.6	0.2	0.3	1.8	10.8	9.8	20.5	(D)	(NA)	(NA)
359	Miscellaneous machinery, except electrical -----	E1	126	20	1.7	21.7	1.4	2.6	14.5	41.5	21.2	62.2	2.5	1.6	24.9
36	Electric and electronic equipment -----	-	82	48	9.8	129.3	5.8	11.7	61.2	280.2	189.7	466.3	11.6	9.7	173.5
361	Electric distributing equipment -----	E1	9	8	1.0	11.6	0.7	1.4	7.0	24.5	20.1	44.6	0.4	(NA)	(NA)
362	Electrical industrial apparatus -----	-	10	5	2.2	33.9	1.2	2.7	15.7	61.5	37.1	98.2	(D)	2.5	43.0
364	Electric lighting and wiring equipment -----	-	17	13	1.8	19.4	1.2	2.3	10.9	40.6	38.5	77.8	1.2	1.5	28.4
3643	Current-carrying wiring devices -----	-	9	8	1.0	10.9	0.7	1.4	6.5	21.0	17.2	36.3	0.6	0.6	7.9
366	Communication equipment -----	-	12	6	1.4	16.9	0.6	1.3	5.5	26.0	22.1	47.3	0.3	1.6	17.3
3662	Radio and TV communication equipment -----	-	12	6	1.4	16.9	0.6	1.3	5.5	26.0	22.1	47.3	0.3	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Cincinnati, Ohio-Ky.-Ind., SMSA—Con.														
36	Electric and electronic equipment—Con.														
369	Miscellaneous electrical equipment and supplies ---	-	8	3	0.6	7.1	0.4	0.8	4.4	12.1	8.9	22.3	(D)	(NA)	(NA)
37	Transportation equipment ---	-	37	15	21.3	492.7	13.1	30.8	277.8	1 049.0	1 485.5	2 535.4	68.7	21.0	574.4
38	Instruments and related products -----	E1	49	20	1.8	21.2	1.2	2.3	11.5	40.5	36.6	76.1	1.8	1.8	29.6
382	Measuring and controlling devices -----	-	20	11	0.6	7.5	0.4	0.7	3.4	13.4	8.0	21.2	0.5	0.5	10.2
3829	Measuring and controlling devices, n.e.c. -----	-	10	7	0.4	4.0	0.2	0.4	1.7	7.4	4.1	11.4	0.2	(NA)	(NA)
384	Medical instruments and supplies -----	E1	16	4	0.8	8.7	0.6	1.0	5.0	21.7	22.1	43.3	1.1	1.0	14.8
39	Miscellaneous manufacturing industries ---	-	102	31	4.5	46.1	3.1	6.4	26.8	152.3	115.0	260.7	10.6	5.3	84.7
3944	Games, toys, and children's vehicles -----	-	5	1	1.9	17.3	1.3	3.1	11.8	93.8	61.5	151.7	(D)	(NA)	(NA)
3993	Signs and advertising displays -----	E2	30	12	0.9	9.5	0.7	1.3	5.9	18.5	12.4	30.8	1.0	1.1	16.0
	Clarksville-Hopkinsville, Tenn.-Ky., SMSA -----	-	117	44	9.4	89.3	7.1	13.7	58.3	233.3	279.8	513.8	(D)	10.0	134.7
20	Food and kindred products --	E7	13	4	0.8	9.2	0.5	1.1	5.9	13.3	57.0	71.4	1.0	(NA)	(NA)
23	Apparel and other textile products -----	-	9	5	1.3	8.0	1.2	2.1	6.6	11.8	8.1	19.8	0.3	(NA)	(NA)
2328	Men's and boys' work clothing -----	-	6	5	1.3	7.9	1.2	2.1	6.6	11.7	8.0	19.6	(D)	(NA)	(NA)
24	Lumber and wood products --	-	15	5	0.5	4.2	0.4	0.8	3.3	10.0	14.4	24.3	0.6	(NA)	(NA)
242	Sawmills and planing mills --	-	5	3	0.3	2.1	0.3	0.5	1.9	5.8	6.6	12.4	(D)	(NA)	(NA)
2421	Sawmills and planing mills, general -----	-	5	3	0.3	2.1	0.3	0.5	1.9	5.8	6.6	12.4	(D)	(NA)	(NA)
27	Printing and publishing -----	-	13	3	0.6	4.8	0.5	0.9	3.1	13.3	4.2	17.4	(D)	(NA)	(NA)
31	Leather and leather products -----	-	3	3	1.3	9.7	1.2	2.1	8.3	13.1	18.3	35.4	(D)	(NA)	(NA)
314	Footwear, except rubber --	-	3	3	1.3	9.7	1.2	2.1	8.3	13.1	18.3	35.4	(D)	(NA)	(NA)
34	Fabricated metal products ---	-	11	7	0.5	4.7	0.4	0.8	3.1	10.5	7.5	17.6	0.8	(NA)	(NA)
	Evansville, Ind.-Ky., SMSA ---	-	408	169	39.2	537.0	28.0	56.7	355.9	1 558.9	2 268.4	3 747.5	134.0	36.3	897.6
20	Food and kindred products --	-	42	24	4.1	56.2	2.1	4.6	27.7	201.2	320.2	517.2	21.9	2.9	89.2
202	Dairy products -----	-	7	4	1.5	19.8	0.5	1.1	5.4	79.7	87.5	165.8	(D)	(NA)	(NA)
204	Grain mill products -----	-	5	5	0.3	3.7	0.2	0.4	2.2	10.3	56.5	66.7	1.0	0.6	17.4
208	Beverages -----	-	7	6	0.9	15.0	0.5	1.2	8.7	77.0	70.4	146.8	4.3	0.6	12.4
23	Apparel and other textile products -----	E1	12	10	1.5	8.8	1.3	2.4	7.0	20.4	13.7	35.7	0.8	1.3	11.4
232	Men's and boys' furnishings -----	E1	5	5	0.9	5.2	0.9	1.7	4.6	14.7	9.9	26.1	(D)	(NA)	(NA)
24	Lumber and wood products --	-	22	7	0.5	4.6	0.4	0.9	3.4	8.8	14.0	22.2	0.8	0.5	6.0
25	Furniture and fixtures -----	-	18	8	1.9	16.4	1.7	3.1	13.6	27.2	26.5	53.8	1.1	1.7	16.7
251	Household furniture -----	-	12	8	1.9	16.1	1.6	3.0	13.3	26.4	25.9	52.5	1.0	(NA)	(NA)
27	Printing and publishing -----	-	57	13	1.9	23.8	1.0	2.0	13.0	46.2	25.6	70.9	2.6	1.6	24.0
2711	Newspapers -----	-	15	6	0.8	7.4	0.2	0.4	2.6	17.3	5.7	22.9	(D)	(NA)	(NA)
275	Commercial printing -----	-	35	5	1.0	15.2	0.7	1.4	9.7	27.0	19.2	45.4	2.1	0.8	13.7
28	Chemicals and allied products -----	-	20	8	3.1	45.5	1.6	3.6	20.3	300.6	145.7	440.9	(D)	2.4	136.5
30	Rubber and miscellaneous plastics products -----	-	29	20	3.3	36.5	2.7	5.5	26.5	73.8	73.5	146.1	4.6	3.3	46.7
32	Stone, clay, and glass products -----	-	22	5	0.3	3.9	0.2	0.5	2.7	8.7	8.5	17.1	0.5	0.5	7.6
327	Concrete, gypsum, and plaster products -----	-	18	5	0.3	3.8	0.2	0.5	2.7	8.6	8.4	16.9	(D)	0.5	7.4
34	Fabricated metal products ---	-	33	16	3.9	47.6	2.9	5.6	32.4	87.9	105.1	195.5	2.6	3.6	62.6
344	Fabricated structural metal products -----	-	10	5	1.5	21.8	0.9	2.0	13.0	41.6	55.6	102.3	0.9	1.6	32.6
35	Machinery, except electrical -	-	76	20	3.7	53.2	2.6	5.4	34.3	124.7	96.6	218.6	7.1	3.7	74.8
354	Metalworking machinery ---	-	38	7	0.5	6.9	0.4	0.7	4.7	10.5	7.1	17.5	1.3	0.4	6.3
3544	Special dies, tools, jigs, and fixtures -----	E1	34	5	0.4	4.9	0.3	0.6	3.5	7.0	4.3	11.2	(D)	(NA)	(NA)
39	Miscellaneous manufacturing industries ---	-	15	5	0.8	8.6	0.6	1.2	4.7	23.3	15.9	38.2	2.3	0.6	8.9

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Huntington-Ashland, W. Va.-Ky.-Ohio, SMSA -----	-	339	125	29.6	436.8	20.9	40.9	268.1	754.3	1 982.8	2 728.9	233.7	25.7	530.1
20	Food and kindred products --	-	21	12	0.9	9.4	0.4	0.9	4.4	22.0	47.6	69.2	(D)	0.8	15.7
24	Lumber and wood products--	E2	42	4	0.3	2.7	0.3	0.6	2.3	5.5	7.7	13.4	0.7	0.6	7.1
25	Furniture and fixtures-----	E1	13	5	0.3	2.6	0.2	0.5	1.6	4.8	7.0	11.8	0.1	0.4	3.6
251	Household furniture -----	E1	10	4	0.3	1.9	0.2	0.4	1.2	3.7	6.3	10.0	(D)	(NA)	(NA)
27	Printing and publishing -----	-	38	4	0.7	7.4	0.4	0.8	4.4	18.3	6.6	24.9	1.3	0.7	10.3
2711	Newspapers -----	-	14	3	0.5	5.7	0.3	0.5	3.2	13.3	3.4	16.8	0.6	0.6	8.3
28	Chemicals and allied products-----	-	18	9	1.8	28.7	1.3	2.7	19.0	92.7	138.3	226.5	(D)	1.5	48.0
286	Industrial organic chemicals -----	-	4	3	0.6	9.1	0.4	0.9	6.2	24.0	32.6	54.8	(D)	(NA)	(NA)
32	Stone, clay, and glass products-----	-	44	18	3.3	44.1	2.8	6.4	35.8	93.6	53.9	147.5	5.4	3.3	59.7
3229	Pressed and blown glass, n.e.c.-----	-	6	5	0.4	3.3	0.3	0.5	2.3	4.9	2.2	7.1	0.5	(NA)	(NA)
325	Structural clay products ---	-	7	6	0.3	4.3	0.3	1.4	3.5	13.1	11.5	24.9	0.5	0.3	4.5
329	Miscellaneous nonmetallic mineral products-----	-	4	3	0.6	7.3	0.5	1.0	5.5	17.9	8.1	25.6	(D)	0.5	9.5
33	Primary metal industries ----	-	12	7	10.2	179.0	8.0	15.2	134.9	300.9	686.6	992.5	41.1	9.6	242.6
34	Fabricated metal products ---	E1	29	13	1.2	11.3	0.9	1.8	7.6	23.4	21.6	44.6	1.7	1.0	11.7
344	Fabricated structural metal products -----	E1	16	9	0.8	7.0	0.6	1.0	4.6	12.8	13.9	26.7	0.8	0.5	7.5
35	Machinery, except electrical -	E1	43	15	1.9	23.0	1.3	2.3	14.7	47.3	46.7	88.6	2.3	1.0	12.1
353	Construction and related machinery -----	-	14	9	1.5	17.5	0.9	1.6	10.9	37.1	42.0	73.7	1.6	0.8	8.6
359	Miscellaneous machinery, except electrical -----	E5	22	5	0.4	4.8	0.3	0.6	3.4	8.8	4.0	12.7	0.7	(NA)	(NA)
3599	Machinery, except electrical, n.e.c.-----	E5	22	5	0.4	4.8	0.3	0.6	3.4	8.8	4.0	12.7	0.7	(NA)	(NA)
	Lexington-Fayette SMSA ----	-	314	132	29.4	380.9	20.2	38.5	219.3	1 123.6	1 252.1	2 337.3	88.6	25.5	604.6
20	Food and kindred products --	-	21	10	1.2	13.4	0.6	1.1	6.7	47.2	99.2	144.2	9.3	1.3	40.0
21	Tobacco products -----	-	5	5	1.1	11.7	0.9	1.6	7.8	24.7	346.7	370.8	(D)	1.0	20.7
2141	Tobacco stemming and redrying -----	-	5	5	1.1	11.7	0.9	1.6	7.8	24.7	346.7	370.8	(D)	(NA)	(NA)
23	Apparel and other textile products-----	-	12	8	2.0	15.2	1.8	3.3	11.5	35.9	24.5	60.6	0.1	1.9	16.4
25	Furniture and fixtures-----	-	11	3	0.3	2.2	0.2	0.4	1.7	4.5	3.5	7.9	(D)	(NA)	(NA)
26	Paper and allied products ---	-	5	4	0.7	8.1	0.6	1.1	6.0	23.2	26.2	48.7	(D)	(NA)	(NA)
27	Printing and publishing -----	-	62	14	2.0	21.6	1.4	2.5	13.9	43.3	29.4	72.8	3.7	1.8	27.2
32	Stone, clay, and glass products-----	E2	21	10	0.8	8.9	0.6	1.1	5.9	22.3	18.4	39.6	1.7	1.1	16.6
327	Concrete, gypsum, and plaster products -----	E5	14	7	0.4	4.3	0.3	0.6	2.8	10.2	9.6	19.4	1.5	(NA)	(NA)
3272	Concrete products, n.e.c.-----	E6	6	3	0.3	2.5	0.2	0.4	1.8	5.8	3.8	9.2	1.0	(NA)	(NA)
33	Primary metal industries ----	-	5	4	0.5	4.2	0.4	0.7	2.6	9.5	10.4	19.8	0.2	1.0	14.3
34	Fabricated metal products ---	-	34	17	2.6	28.2	2.0	3.9	20.2	66.1	64.0	128.0	4.3	1.6	26.2
349	Miscellaneous fabricated metal products -----	-	5	4	1.7	18.4	1.3	2.6	14.3	50.5	50.2	98.4	(D)	1.1	20.3
35	Machinery, except electrical -	-	58	23	9.9	169.3	5.6	10.9	77.3	566.9	408.7	943.7	(D)	(NA)	(NA)
359	Miscellaneous machinery, except electrical -----	E1	23	5	0.4	3.4	0.3	0.6	2.6	5.5	3.1	8.6	0.2	(NA)	(NA)
3599	Machinery, except electrical, n.e.c.-----	E1	23	5	0.4	3.4	0.3	0.6	2.6	5.5	3.1	8.6	0.2	(NA)	(NA)
36	Electric and electronic equipment -----	-	13	10	3.9	45.3	2.9	5.8	30.8	153.0	91.0	242.0	5.1	(NA)	(NA)
39	Miscellaneous manufacturing industries ---	-	15	6	0.7	4.8	0.6	1.1	3.4	10.9	7.3	18.1	0.3	0.5	3.8
--	Administrative and auxiliary --	-	12	5	0.5	6.6	-	-	-	-	-	-	-	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Louisville, Ky.-Ind., SMSA ---	-	1 109	455	106.9	1 559.2	77.0	148.2	1 005.8	4 440.7	6 340.0	10 707.2	202.5	113.4	3 022.8
20	Food and kindred products --	-	91	56	10.3	142.4	7.0	14.4	88.3	595.7	909.3	1 498.8	18.8	11.7	450.1
201	Meat products -----	-	11	5	1.8	29.2	1.4	3.1	22.1	46.1	232.5	278.5	(D)	(NA)	(NA)
202	Dairy products -----	-	14	7	0.6	7.9	0.3	0.6	2.8	17.0	84.7	101.7	1.8	0.9	14.8
205	Bakery products -----	-	15	9	1.5	20.4	1.0	2.2	10.0	42.9	48.0	90.9	3.0	1.5	26.3
208	Beverages -----	-	20	16	3.6	51.2	2.4	4.6	31.3	349.3	235.1	584.1	4.5	4.9	297.3
2085	Distilled liquor, except brandy -----	-	11	8	2.2	33.9	1.8	3.4	25.5	205.4	165.8	371.2	2.6	3.1	207.1
209	Miscellaneous foods and kindred products -----	-	17	12	1.2	11.7	0.8	1.6	7.2	48.4	61.9	108.8	1.9	0.9	16.8
23	Apparel and other textile products -----	-	28	12	1.9	17.2	1.6	3.2	12.2	41.3	40.1	80.9	0.9	2.3	17.1
239	Miscellaneous fabricated textile products -----	-	15	4	0.5	5.2	0.4	0.9	3.5	8.9	13.4	21.6	0.4	0.4	4.3
24	Lumber and wood products --	-	87	40	4.8	49.3	4.1	7.5	37.0	86.5	103.6	190.0	4.8	5.5	87.2
242	Sawmills and planing mills --	-	14	6	0.9	8.9	0.7	1.3	6.2	14.3	11.2	25.6	0.6	0.9	11.6
2426	Hardwood dimension and flooring -----	-	7	4	0.7	7.5	0.6	1.1	5.1	12.4	9.3	21.8	(D)	(NA)	(NA)
243	Millwork, plywood, and structural members -----	-	42	22	3.0	31.3	2.5	4.7	23.4	59.9	65.5	123.5	3.8	3.2	54.3
2434	Wood kitchen cabinets --	-	17	8	1.3	16.3	1.2	2.0	12.9	35.0	36.3	70.4	1.3	1.5	31.5
2435	Hardwood veneer and plywood -----	-	12	10	1.4	11.9	1.1	2.2	8.4	20.1	24.2	43.5	2.2	1.4	19.2
244	Wood containers -----	-	16	7	0.7	7.3	0.6	1.1	6.1	8.3	21.6	31.6	0.2	0.9	15.0
25	Furniture and fixtures -----	-	33	12	1.4	13.6	1.1	2.2	9.2	29.5	28.4	57.4	1.4	1.7	22.0
251	Household furniture -----	-	20	7	0.7	6.4	0.6	1.1	4.0	12.6	14.0	26.6	(D)	1.5	19.8
26	Paper and allied products ---	-	29	21	1.8	22.8	1.4	2.6	15.1	49.2	76.5	125.9	4.3	2.1	33.2
265	Paperboard containers and boxes -----	-	20	17	1.5	20.0	1.1	2.2	13.6	43.1	69.4	112.7	4.2	1.7	26.3
2651	Folding paperboard boxes -----	-	5	4	0.3	4.6	0.3	0.5	3.2	9.3	15.4	24.7	(D)	(NA)	(NA)
2653	Corrugated and solid fiber boxes -----	-	10	8	0.9	11.6	0.6	1.2	7.4	23.9	40.8	64.4	(D)	1.0	14.2
27	Printing and publishing -----	-	181	42	6.8	89.6	4.6	8.6	54.9	155.6	93.8	248.6	7.9	7.5	110.3
273	Books -----	-	7	4	1.1	8.0	0.8	1.3	5.4	14.6	8.5	22.5	(D)	(NA)	(NA)
275	Commercial printing -----	-	116	31	3.8	52.4	3.0	5.8	38.0	92.0	59.1	150.8	4.5	4.8	71.5
2751	Commercial printing, letterpress -----	E1	59	7	0.5	6.0	0.4	0.8	4.1	8.1	8.0	16.1	0.7	0.6	7.1
2753	Engraving and plate printing -----	E1	10	5	0.3	3.4	0.2	0.4	2.8	5.5	1.6	7.2	0.1	(NA)	(NA)
28	Chemicals and allied products -----	-	71	39	8.8	145.6	5.6	11.1	86.8	562.5	824.7	1 387.1	46.3	8.6	387.7
281	Industrial inorganic chemicals -----	-	11	5	1.1	14.4	0.7	1.3	9.3	42.8	61.0	105.3	2.7	1.0	20.1
2819	Industrial inorganic chemicals, n.e.c. -----	-	7	5	1.0	14.1	0.6	1.3	9.0	41.9	60.5	103.8	(D)	(NA)	(NA)
282	Plastics materials and synthetics -----	-	5	5	4.0	76.2	2.9	5.8	50.9	247.8	451.2	698.1	(D)	3.6	160.5
2851	Paints and allied products -----	-	20	17	1.5	20.8	0.7	1.4	8.1	82.6	99.1	182.0	1.8	1.9	76.2
286	Industrial organic chemicals -----	-	4	3	0.5	6.0	0.3	0.6	3.5	26.9	41.2	68.3	(D)	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	-	35	13	2.0	22.5	1.6	3.2	15.4	66.7	61.9	127.3	9.3	(NA)	(NA)
32	Stone, clay, and glass products -----	-	55	20	2.1	28.2	1.5	3.0	19.7	73.5	55.6	129.1	16.3	2.2	58.8
327	Concrete, gypsum, and plaster products -----	E2	34	12	0.7	8.3	0.5	0.9	4.7	17.4	21.1	37.7	(D)	0.7	14.2
3272	Concrete products, n.e.c. -----	E1	14	5	0.3	3.4	0.2	0.4	2.0	7.5	8.2	14.9	1.5	(NA)	(NA)
3273	Ready-mixed concrete --	E3	16	7	0.3	4.3	0.2	0.4	2.4	8.4	11.2	19.6	(D)	0.4	8.4
33	Primary metal industries ----	-	19	11	2.2	37.2	1.8	3.7	29.1	53.3	291.1	338.5	3.6	2.5	61.2
3354	Aluminum extruded products -----	-	4	3	0.5	7.1	0.4	0.9	5.7	12.5	33.5	45.8	0.7	(NA)	(NA)
34	Fabricated metal products ---	-	123	57	9.6	131.9	7.1	14.0	88.6	256.8	288.9	545.3	12.9	13.1	160.9
344	Fabricated structural metal products -----	-	49	23	1.5	21.2	1.1	2.2	14.1	41.1	46.6	87.9	1.4	1.3	23.1
3443	Fabricated plate work (boiler shops) -----	-	15	8	0.6	9.6	0.5	0.9	6.4	18.2	13.5	31.3	0.6	0.4	7.4
3444	Sheet metal work -----	-	13	8	0.4	5.5	0.3	0.6	4.1	11.7	18.9	30.7	0.1	0.4	8.8
346	Metal forgings and stampings -----	-	9	4	0.5	5.9	0.4	0.8	4.4	9.2	8.2	17.3	0.4	1.0	11.7
347	Metal services, n.e.c. -----	-	17	6	0.3	2.6	0.2	0.4	1.7	4.9	3.4	8.3	0.1	(NA)	(NA)
349	Miscellaneous fabricated metal products -----	-	30	13	3.6	48.3	2.5	4.6	31.0	85.4	137.8	223.9	6.6	2.7	47.8
3499	Fabricated metal products, n.e.c. -----	-	21	5	0.6	6.6	0.5	0.9	4.3	17.9	17.8	34.9	(D)	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Louisville, Ky.-Ind., SMSA—Con.														
35	Machinery, except electrical -	-	151	51	15.0	224.6	11.6	21.8	161.1	386.2	454.4	830.5	24.0	16.4	291.5
353	Construction and related machinery -----	-	21	12	1.6	21.4	0.9	1.7	11.5	43.7	34.7	77.1	3.1	1.2	27.4
3535	Conveyors and conveying equipment --	-	11	9	1.2	16.3	0.7	1.3	8.5	31.2	25.9	56.4	(D)	(NA)	(NA)
355	Special industry machinery -----	-	19	11	0.7	10.3	0.4	0.8	5.6	14.3	12.6	27.4	0.8	0.8	10.4
3559	Special industry machinery, n.e.c. -----	-	11	5	0.3	3.3	0.1	0.3	1.8	5.8	6.4	12.4	0.3	(NA)	(NA)
3569	General industrial machinery, n.e.c. -----	-	6	3	0.3	2.4	0.2	0.4	1.4	4.6	5.9	10.7	0.1	(NA)	(NA)
359	Miscellaneous machinery, except electrical -----	E1	49	6	0.9	10.9	0.7	1.3	7.8	19.9	6.6	26.0	0.6	0.9	14.9
3714	Motor vehicle parts and accessories -----	-	6	3	0.4	5.0	0.3	0.6	3.0	11.4	14.4	26.0	(D)	0.5	7.1
38	Instruments and related products -----	E1	14	2	0.3	2.8	0.2	0.4	1.8	5.9	3.2	9.0	0.2	(NA)	(NA)
39	Miscellaneous manufacturing industries ---	-	54	11	1.0	10.6	0.8	1.5	7.6	25.5	21.2	46.1	0.6	1.3	20.2
394	Toys and sporting goods --	-	8	4	0.5	6.0	0.5	0.9	5.0	17.9	15.0	32.4	0.4	(NA)	(NA)
--	Administrative and auxiliary --	-	51	32	7.2	133.7	-	-	-	-	-	-	-	(NA)	(NA)
	Owensboro SMSA -----	-	92	33	7.1	86.9	5.4	10.1	59.7	225.4	340.8	562.8	(D)	8.0	134.6
20	Food and kindred products --	-	17	10	1.4	17.8	1.0	1.9	11.1	76.1	176.2	251.1	6.9	1.3	30.7
208	Beverages -----	-	6	3	0.6	6.1	0.4	0.7	4.7	26.5	22.0	48.0	0.7	0.6	17.0

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (S) Withheld because estimate did not meet publication standards.
 (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

For explanation of terms, see appendix A.

SIC code	County and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
35	Anderson County -----	-	11	6	0.9	10.8	0.7	1.5	7.7	20.8	53.7	74.3	2.5	1.1	21.9
	Barren County-----	-	42	19	4.4	42.2	3.6	6.9	30.8	91.3	127.6	218.3	18.7	3.4	34.4
	Bell County -----	-	26	11	0.9	8.0	0.8	1.4	5.7	18.3	31.4	49.0	1.6	1.3	17.0
	Boone County -----	-	48	28	4.6	58.8	2.8	5.5	31.1	91.4	125.3	213.0	8.0	4.2	72.2
	Machinery, except electrical --	-	7	4	0.7	10.4	0.3	0.7	3.7	20.8	22.5	41.2	(D)	(NA)	(NA)
	Administrative and auxiliary --	-	5	4	0.7	10.1	-	-	-	-	-	-	-	(NA)	(NA)
	Bourbon County -----	-	17	7	1.4	12.0	1.2	2.2	8.6	30.9	23.8	55.2	2.0	0.7	8.5
	Boyd County -----	-	71	31	9.7	163.5	6.3	12.2	105.6	242.4	1 116.1	1 350.7	167.2	7.6	215.4
	Boyle County -----	-	34	16	3.6	38.0	2.9	5.4	25.9	73.9	80.7	154.5	7.4	2.5	44.3
35	Machinerv, except electrical --	-	8	4	0.6	8.3	0.4	0.8	3.9	17.0	11.6	28.5	(D)	(NA)	(NA)

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
23	Butler County -----	-	8	4	0.6	4.0	0.6	1.1	3.2	7.2	4.4	11.7	0.2	0.3	2.0
	Caldwell County -----	-	18	6	1.1	10.8	0.8	1.6	6.8	28.2	55.5	81.2	1.8	1.8	35.7
	Calloway County -----	-	28	8	1.5	14.3	1.3	2.4	10.1	47.5	66.6	110.8	1.4	1.4	27.9
	Campbell County -----	-	58	19	2.4	38.7	1.9	3.8	27.4	73.2	93.9	164.3	4.1	2.8	48.6
	Carroll County -----	-	14	10	1.5	17.5	1.2	2.8	12.4	128.5	113.6	240.9	8.5	1.3	31.1
	Carter County -----	-	22	6	0.9	6.6	0.8	1.4	5.5	15.0	4.7	19.7	0.6	0.7	6.7
	Apparel and other textile products -----	-	4	3	0.5	3.2	0.5	0.9	3.0	8.8	1.4	10.2	(D)	(NA)	(NA)
	Men's and boys' furnishings -----	-	4	3	0.5	3.2	0.5	0.9	3.0	8.8	1.4	10.2	(D)	(NA)	(NA)
	Casey County -----	-	30	5	0.8	4.8	0.7	1.2	3.9	7.7	4.2	11.9	0.3	0.6	6.1
	Christian County -----	-	57	21	3.7	34.6	3.1	6.1	25.0	89.3	124.6	211.5	(D)	3.8	56.8
232	Clark County -----	-	30	12	4.0	50.4	3.4	6.4	38.7	112.0	145.5	257.6	12.7	3.7	80.8
	Clinton County -----	-	8	4	0.8	4.3	0.8	1.3	3.9	6.7	10.6	17.3	0.1	0.9	9.2
	Crittenden County -----	-	12	3	0.7	6.4	0.6	1.1	5.3	15.8	7.6	23.6	0.8	0.7	10.4
	Daviess County (Coextensive with Owensboro, Ky., SMSA; see table 6.)	-													
	Estill County -----	-	11	2	0.5	3.5	0.4	0.8	2.4	6.5	7.4	13.9	0.1	(D)	(D)
	Fayette County -----	-	216	86	17.9	258.0	11.0	21.2	129.5	800.5	913.7	1 673.4	65.6	16.3	417.7
	Food and kindred products --	-	16	8	1.1	12.6	0.5	1.0	6.2	44.8	93.5	136.3	(D)	(NA)	(NA)
	Tobacco products -----	-	5	5	1.1	11.7	0.9	1.6	7.8	24.7	346.7	370.8	(D)	1.0	20.7
	Tobacco stemming and redrying -----	-	5	5	1.1	11.7	0.9	1.6	7.8	24.7	346.7	370.8	(D)	(NA)	(NA)
	Administrative and auxiliary --	-	12	5	0.5	6.6	-	-	-	-	-	-	-	(NA)	(NA)
20	Fleming County -----	-	15	2	0.7	4.8	0.5	1.0	4.2	13.2	10.9	24.0	0.2	(D)	(D)
	Floyd County -----	-	25	7	0.9	7.1	0.7	1.3	5.1	20.1	19.5	39.2	0.9	0.9	9.3
	Franklin County -----	-	35	14	3.2	35.3	2.7	4.9	27.0	110.7	93.7	200.0	5.4	3.0	74.1
	Graves County -----	-	40	10	3.7	48.7	3.0	5.6	37.3	129.1	129.5	257.5	(D)	4.0	68.9
	Grayson County -----	-	25	10	1.3	10.0	1.1	2.2	7.7	20.6	30.2	51.1	2.9	1.2	14.0
	Green County -----	-	10	4	0.5	4.6	0.5	0.9	3.7	8.8	10.9	19.4	0.7	0.5	6.7
	Hancock County -----	-	12	7	2.7	48.3	2.0	3.9	34.5	149.4	368.7	520.1	4.2	2.4	59.8
	Hardin County -----	-	44	19	3.7	37.2	2.9	5.7	26.7	156.0	113.2	268.9	8.5	2.6	75.5
	Fabricated metal products ---	-	5	4	0.8	8.1	0.6	1.3	6.1	24.6	30.6	54.0	(D)	0.6	11.5
	Harrison County -----	-	17	12	1.7	18.8	1.4	2.7	13.6	59.7	77.1	137.4	1.3	1.4	28.2
34	Hart County -----	-	11	7	0.6	4.5	0.6	1.1	3.9	15.8	20.5	36.3	0.7	0.6	6.8
	Henderson County -----	-	61	30	4.3	50.0	3.5	6.6	35.4	227.1	298.7	495.9	9.3	2.9	36.1
	Hickman County -----	-	5	3	0.5	2.7	0.4	0.8	1.9	8.5	7.7	16.4	(D)	(D)	(D)
	Hopkins County -----	-	54	17	3.4	35.1	2.7	5.3	26.5	97.0	144.6	240.5	2.1	2.4	33.7
	Machinery, except electrical --	-	10	3	1.0	10.2	0.8	1.6	7.9	33.5	44.8	77.5	(D)	(NA)	(NA)
	Jefferson County -----	-	911	377	94.0	1 399.5	67.0	129.1	897.0	3 965.4	5 845.8	9 738.8	166.7	96.3	2 661.2
	Food and kindred products --	-	80	51	9.1	126.5	6.0	12.6	76.0	507.1	826.4	1 328.0	14.0	10.3	372.4
	Meat packing plants ---	-	7	4	1.8	28.2	1.4	3.0	21.8	43.8	228.3	272.1	(D)	(NA)	(NA)
	Bakery products -----	-	15	9	1.5	20.4	1.0	2.2	10.0	42.9	48.0	90.9	3.0	(NA)	(NA)
	Lumber and wood products --	-	48	22	2.6	27.8	2.2	4.1	20.1	45.3	55.6	101.6	2.1	3.1	48.3
25	Furniture and fixtures -----	-	24	7	0.6	6.1	0.5	0.9	3.9	12.0	13.1	25.0	0.2	0.8	10.7
	Paper and allied products ---	-	23	17	1.5	19.2	1.1	2.2	12.8	40.2	62.4	102.8	(D)	(NA)	(NA)
	Printing and publishing -----	-	161	38	6.4	85.4	4.3	8.0	51.9	146.4	88.5	234.1	7.6	7.1	106.3
	Plastics materials and synthetics -----	-	5	5	4.0	76.2	2.9	5.8	50.9	247.8	451.2	698.1	(D)	3.6	160.5
	Miscellaneous plastics products -----	-	24	10	1.4	16.1	1.0	2.1	10.4	53.7	52.2	104.8	8.2	(NA)	(NA)
	Concrete, gypsum, and plaster products -----	E3	23	9	0.5	5.9	0.3	0.6	3.3	12.5	13.9	25.7	1.9	0.5	10.2
	Primary metal industries -----	-	14	8	1.8	32.3	1.5	2.9	25.3	43.0	252.5	289.7	(D)	(NA)	(NA)
	Fabricated structural metal products -----	-	39	17	1.1	16.4	0.8	1.6	11.0	29.8	36.4	66.1	1.0	1.0	17.0
	Miscellaneous fabricated metal products -----	-	26	13	3.5	48.2	2.5	4.6	30.9	84.9	137.6	223.2	6.6	(NA)	(NA)
	Fabricated metal products, n.e.c. -----	-	17	5	0.6	6.5	0.5	0.9	4.2	17.4	17.6	34.2	(D)	(NA)	(NA)
35	Machinery, except electrical --	-	129	44	14.5	218.1	11.3	21.2	157.5	377.3	447.4	815.0	(D)	16.2	288.3
	Conveyors and conveying equipment ---	-	6	5	0.9	12.3	0.5	1.0	6.5	26.9	21.3	47.8	0.6	(NA)	(NA)
	Administrative and auxiliary --	-	48	30	7.1	131.4	-	-	-	-	-	-	-	(NA)	(NA)
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See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

For explanation of terms, see appendix B															
SIC code	County and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
34	Jessamine County -----	-	16	7	0.9	8.5	0.6	1.2	5.2	17.5	23.5	41.4	1.0	0.3	3.4
	Kenton County -----	-	108	38	4.0	46.3	2.9	5.6	29.6	97.3	122.8	216.0	3.2	4.0	62.0
	Fabricated metal products ---	E3	24	10	0.8	8.7	0.6	1.2	5.9	14.5	17.5	31.4	0.5	0.5	7.2
35	Machinery, except electrical --	-	20	7	0.8	12.2	0.6	1.2	8.2	22.4	13.9	34.9	0.8	0.6	10.3
	Knox County -----	-	22	10	1.4	12.3	1.1	2.3	8.9	38.6	26.7	64.0	1.8	0.7	8.0
	Laurel County -----	-	31	12	2.0	19.5	1.7	3.3	14.2	40.4	42.1	82.3	1.9	1.2	10.5
	Logan County -----	-	39	18	3.4	28.5	2.9	5.1	21.9	87.3	104.0	189.3	6.6	3.1	53.2
	McCracken County -----	-	70	22	5.3	65.9	3.9	7.6	43.6	190.4	304.0	491.8	5.1	4.8	84.7
	Madison County -----	-	45	20	3.6	35.4	3.0	5.4	26.3	113.4	89.4	198.2	39.2	2.5	41.4
	Fabricated metal products ---	E5	7	4	0.7	5.5	0.5	1.0	3.8	9.7	10.3	20.1	(D)	(NA)	(NA)
35	Machinery, except electrical --	-	10	3	0.5	5.7	0.3	0.6	3.4	14.4	17.7	32.2	(D)	(NA)	(NA)
	Marion County -----	-	13	4	0.5	4.3	0.4	0.8	3.5	9.1	12.9	22.1	0.2	0.8	9.1
	Marshall County -----	-	31	9	3.1	52.2	2.4	4.9	37.4	190.8	294.1	489.2	26.5	3.3	125.0
	Mason County -----	-	20	11	2.9	29.5	2.2	4.5	19.5	73.1	94.5	163.3	3.5	2.3	44.3
	Mercer County -----	-	17	6	1.8	19.3	1.4	2.5	12.9	58.1	48.6	107.1	(D)	2.4	49.1
	Monroe County -----	-	26	11	1.2	7.6	1.1	1.8	6.3	14.2	14.4	28.1	1.2	0.9	7.3
	Apparel and other textile products -----	-	5	5	0.9	5.4	0.8	1.3	4.6	9.5	4.4	13.8	(D)	0.8	5.1
	Montgomery County -----	-	17	7	3.0	25.5	2.5	4.8	21.0	57.4	71.8	129.1	(D)	2.6	34.4
	Muhlenberg County -----	-	27	8	0.6	4.4	0.5	0.9	3.5	10.0	12.3	22.1	0.8	0.9	10.1
	Nelson County -----	-	33	9	1.7	19.5	1.4	2.5	14.2	76.1	72.7	132.7	2.0	1.8	68.1
20 208 2085	Food and kindred products --	-	9	4	0.5	6.8	0.4	0.7	4.9	40.6	33.9	57.2	(D)	0.7	50.3
	Beverages -----	-	5	3	0.5	6.5	0.4	0.7	4.8	40.0	32.0	54.6	(D)	0.7	49.8
	Distilled liquor, except brandy -----	-	5	3	0.5	6.5	0.4	0.7	4.8	40.0	32.0	54.6	(D)	(NA)	(NA)
	Ohio County -----	-	30	13	1.1	9.4	0.9	1.7	7.0	13.6	23.1	38.6	2.6	1.1	17.2
	Pendleton County -----	-	7	4	0.6	4.2	0.4	0.8	3.1	10.9	9.6	19.2	0.4	0.6	5.2
	Pulaski County -----	-	51	15	4.1	40.7	3.5	6.7	32.4	90.4	137.5	225.3	3.6	2.9	43.4
32	Stone, clay, and glass products -----	-	11	2	0.5	6.2	0.4	0.9	4.9	17.0	9.0	24.9	0.8	(NA)	(NA)
	Rowan County -----	-	25	7	0.6	4.3	0.5	1.1	3.6	18.5	21.3	36.7	(D)	0.6	6.2
	Russell County -----	-	17	5	0.9	5.1	0.7	1.5	4.1	6.8	8.5	15.2	0.3	0.8	7.9
	Scott County -----	-	23	14	2.6	26.1	1.9	3.7	17.5	78.4	84.9	166.9	3.4	1.8	33.4
	Shelby County -----	-	30	16	1.4	13.3	1.1	2.1	9.0	35.2	50.7	86.2	1.6	1.2	14.1
	Fabricated metal products ---	-	6	4	0.7	6.7	0.6	1.2	5.0	19.7	21.1	41.1	0.9	(NA)	(NA)
	Simpson County -----	-	25	11	2.8	27.0	2.4	4.7	22.2	83.8	68.8	150.7	3.9	2.8	49.1
	Taylor County -----	-	23	6	3.9	33.7	3.5	6.7	27.7	60.4	54.5	114.6	2.0	3.8	64.7
	Todd County -----	-	17	8	0.8	6.1	0.7	1.1	4.8	15.8	17.0	32.3	(D)	0.5	5.9
	Trigg County -----	-	20	5	0.8	6.8	0.7	1.2	5.3	16.8	14.7	31.8	0.8	0.5	7.3
	Union County -----	-	19	7	0.7	4.7	0.5	0.9	3.6	12.9	15.3	28.0	0.2	0.5	5.9
	Warren County -----	-	51	26	7.3	73.1	6.0	10.9	55.8	192.3	213.8	390.9	6.7	6.7	109.8
	Machinery, except electrical --	-	7	5	2.8	31.0	2.4	4.4	23.8	51.3	49.2	100.6	(D)	(NA)	(NA)
35	Washington County -----	-	8	6	0.5	3.9	0.4	0.8	3.1	16.7	26.8	43.5	(D)	0.6	10.0
	Wayne County -----	-	28	7	1.1	7.2	1.1	2.0	5.9	20.3	17.4	37.6	(D)	0.7	7.5
	Whitley County -----	-	26	10	3.0	24.2	2.6	5.3	18.8	150.4	74.0	220.0	5.7	1.6	23.5
	Woodford County -----	-	12	6	2.6	25.8	2.1	3.8	19.8	84.3	60.7	142.7	4.0	2.6	60.8

Note: "County" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

Explanation of terms, see appendix B)

SIC code	City and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Ashland -----	-	55	24	8.0	134.5	5.2	9.8	86.7	204.0	322.1	525.4	34.0	(D)	(D)
	Barbourville -----	-	11	5	0.6	4.8	0.5	0.9	3.3	18.4	12.5	30.4	0.4	(NA)	(NA)
	Beaver Dam -----	-	11	7	0.6	5.3	0.4	0.8	3.5	8.8	11.8	22.7	0.9	0.9	14.6
	Carrollton -----	-	9	6	0.9	10.4	0.8	1.9	7.5	33.4	59.8	93.4	(D)	0.7	21.0
	Covington -----	-	63	26	2.8	30.2	2.1	3.8	18.9	65.0	96.3	157.6	2.3	2.6	41.6
	Cynthiana -----	-	17	12	1.7	18.8	1.4	2.7	13.6	59.7	77.1	137.4	1.3	(D)	(D)
	Danville -----	-	21	8	2.6	28.0	2.1	3.8	18.7	56.7	55.8	112.6	(D)	1.9	30.3
	Elizabethtown -----	-	32	15	3.3	32.4	2.6	5.1	23.6	139.4	89.9	229.7	7.7	2.5	70.5
	Frankfort -----	-	29	9	2.0	20.6	1.7	3.0	15.5	61.8	49.4	109.0	2.8	1.9	38.5
	Franklin -----	-	25	11	2.8	27.0	2.4	4.7	22.2	83.8	68.8	150.7	3.9	2.8	49.1
	Glasgow -----	-	33	17	3.9	39.5	3.2	6.2	28.6	85.4	116.5	201.1	(D)	2.5	28.9
	Hopkinsville -----	-	47	17	3.4	30.3	2.8	5.4	22.3	78.8	112.9	189.7	3.8	(D)	(D)
	Jeffersonton -----	-	53	21	1.8	23.6	1.0	1.9	10.9	33.1	33.6	67.7	2.5	(D)	(D)
	Lawrenceburg -----	-	11	6	0.9	10.8	0.7	1.5	7.7	20.8	53.7	74.3	2.5	(D)	(D)
	Leitchfield -----	-	14	8	1.2	9.1	1.0	2.0	7.0	19.2	27.0	46.2	2.8	1.1	13.5
	Lexington-Fayette Urban Government -----	-	216	86	17.9	258.0	11.0	21.2	129.5	800.5	913.7	1 673.4	65.6	14.8	383.6
20	Food and kindred products --	-	16	8	1.1	12.6	0.5	1.0	6.2	44.8	93.5	136.3	(D)	(NA)	(NA)
21	Tobacco products -----	-	5	5	1.1	11.7	0.9	1.6	7.8	24.7	346.7	370.8	(D)	(NA)	(NA)
2141	Tobacco stemming and redrying -----	-	5	5	1.1	11.7	0.9	1.6	7.8	24.7	346.7	370.8	(D)	(NA)	(NA)
--	Administrative and auxiliary --	-	12	5	0.5	6.6	--	--	--	--	--	--	--	(NA)	(NA)
	London -----	-	25	11	2.0	19.2	1.6	3.2	13.9	39.7	40.1	79.6	1.9	1.2	9.8
	Louisville -----	-	586	257	61.0	901.2	43.1	82.8	579.8	2 551.8	3 541.8	6 063.8	91.1	60.2	1 434.2
20	Food and kindred products --	-	64	41	8.2	116.0	5.5	11.3	69.5	472.9	755.0	1 222.3	11.3	8.8	275.8
2011	Meat packing plants -----	-	7	4	1.8	28.2	1.4	3.0	21.8	43.8	228.3	272.1	(D)	(NA)	(NA)
202	Dairy products -----	-	9	6	0.5	6.3	0.2	0.4	1.9	13.0	61.6	74.6	(D)	(NA)	(NA)
205	Bakery products -----	-	9	5	0.9	14.7	0.6	1.3	6.2	29.9	31.6	61.5	(D)	(NA)	(NA)
208	Beverages -----	-	15	12	3.0	43.9	1.9	3.7	25.6	300.8	193.9	494.4	3.6	(NA)	(NA)
209	Miscellaneous foods and kindred products -----	-	12	9	1.0	10.7	0.8	1.4	6.8	46.7	58.0	103.1	1.7	(NA)	(NA)
23	Apparel and other textile products -----	-	15	7	0.7	7.0	0.6	1.3	5.1	18.0	21.5	38.8	0.6	(NA)	(NA)
24	Lumber and wood products --	-	28	17	2.3	25.1	1.9	3.6	18.1	38.8	48.5	88.1	1.9	2.6	38.6
242	Sawmills and planing mills --	-	5	4	0.7	7.5	0.6	1.1	5.1	12.2	9.2	21.5	(D)	(NA)	(NA)
2426	Hardwood dimension and flooring -----	-	5	4	0.7	7.5	0.6	1.1	5.1	12.2	9.2	21.5	(D)	(NA)	(NA)
243	Millwork, plywood, and structural members -----	-	14	8	1.1	11.0	0.8	1.6	7.4	19.6	18.0	36.7	1.3	(NA)	(NA)
2434	Wood kitchen cabinets --	-	7	3	0.5	5.1	0.4	0.7	3.5	9.1	7.5	16.3	(D)	(NA)	(NA)
25	Furniture and fixtures -----	-	15	6	0.5	5.2	0.4	0.8	3.3	9.3	10.9	20.0	0.1	(NA)	(NA)
26	Paper and allied products ---	-	14	9	0.7	8.9	0.6	1.1	6.1	18.7	31.4	50.0	3.0	1.3	21.0
2752	Commercial printing, lithographic -----	-	28	12	1.4	16.7	1.0	2.0	10.1	30.1	18.9	48.6	2.1	(NA)	(NA)
28	Chemicals and allied products -----	-	41	23	4.2	64.5	2.6	5.2	38.8	199.4	292.1	492.7	15.3	4.4	160.7
2851	Paints and allied products -----	-	17	15	1.4	19.3	0.7	1.2	7.3	69.0	87.2	155.8	1.3	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	-	14	6	0.9	11.4	0.7	1.4	7.0	41.8	37.4	78.0	(D)	(NA)	(NA)
32	Stone, clay, and glass products -----	-	22	5	0.8	10.2	0.6	1.1	6.6	27.1	11.9	38.2	0.9	1.1	38.7
34	Fabricated metal products ---	-	61	36	6.3	88.3	4.7	9.4	61.1	167.0	169.9	337.9	10.5	5.7	99.7
344	Fabricated structural metal products -----	-	20	12	0.6	10.0	0.5	0.9	6.7	15.9	19.6	35.6	0.5	(NA)	(NA)
3469	Metal stampings, n.e.c. --	-	5	4	0.5	5.7	0.4	0.8	4.3	8.9	7.1	15.8	0.3	(NA)	(NA)
349	Miscellaneous fabricated metal products -----	-	16	8	2.9	39.2	2.0	3.7	24.6	70.1	72.0	143.9	5.9	(NA)	(NA)
36	Electric and electronic equipment -----	-	21	7	4.1	55.4	3.4	6.5	40.5	159.6	210.6	366.5	4.4	3.1	108.5
--	Administrative and auxiliary --	-	31	22	3.9	73.8	--	--	--	--	--	--	--	(NA)	(NA)
	Madisonville -----	-	39	15	2.9	31.1	2.3	4.5	23.2	83.5	135.6	218.3	1.9	2.1	27.2
	Murray -----	-	25	8	1.5	14.2	1.3	2.4	10.1	47.3	66.1	110.2	1.4	1.4	27.7
	Newport -----	-	20	10	1.6	30.5	1.2	2.5	21.9	55.5	77.8	130.9	3.0	1.8	37.1
	Owensboro -----	-	76	26	4.9	54.5	3.5	6.6	34.3	125.0	225.8	348.7	8.4	6.1	80.6
	Richmond -----	-	27	11	1.7	17.8	1.3	2.4	12.7	79.0	53.9	128.7	(D)	1.5	24.2
	Russellville -----	-	26	9	2.7	22.6	2.3	4.1	17.7	76.0	81.0	154.9	5.3	2.3	43.1
	Shelbyville -----	-	23	9	0.5	4.2	0.4	0.7	2.7	11.3	15.8	27.1	0.3	(NA)	(NA)
	Shively -----	-	19	7	0.7	8.1	0.5	1.1	6.1	14.4	24.8	39.2	1.0	(D)	(D)
	Somersett -----	-	37	7	2.9	29.4	2.4	4.5	23.0	55.9	114.0	167.8	2.6	2.0	31.2
	Springfield -----	-	8	6	0.5	3.9	0.4	0.8	3.1	16.7	26.8	43.5	(D)	(D)	(D)

Note: "City" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977

(Major groups descriptions are: 20---food and kindred products; 21---tobacco manufactures; 22---textile mill products; 23---apparel and other textile products; 24---lumber and wood products; 25---furniture and fixtures; 26---paper and allied products; 27---printing and publishing; 28---chemicals and allied products; 29---petroleum and coal products; 30---rubber and miscellaneous plastics products; 31---leather and leather products; 32---stone, clay, and glass products; 33---primary metal industries; 34---fabricated metal products; 35---machinery, except electrical; 36---electric and electronic equipment; 37---transportation equipment; 38---instruments and related products; 39---miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																					
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO ²	
KENTUCKY	3548	354	23	27	156	555	93	54	506	130	36	88	18	272	61	304	413	110	85	39	112	112	
1 TO 4 EMPLOYEES	1339	140	2	2	24	324	29	8	266	29	16	15	15	4	94	5	78	156	31	30	15	53	18
5 TO 9 EMPLOYEES	431	28	2	1	9	64	9	3	84	10	6	10	1	46	4	37	58	7	13	8	18	14	
10 TO 19 EMPLOYEES	460	32	2	2	8	71	17	4	68	19	7	11	1	61	3	43	64	6	8	4	7	22	
20 TO 49 EMPLOYEES	447	53	2	6	14	55	16	11	41	28	3	13	1	42	7	54	51	10	6	1	14	20	
50 TO 99 EMPLOYEES	285	43	2	5	17	29	8	11	22	15	1	13	2	12	9	30	26	10	8	2	8	14	
100 TO 249 EMPLOYEES	312	36	8	5	45	8	9	12	14	11	2	19	2	10	14	37	28	17	9	4	10	12	
250 TO 499 EMPLOYEES	170	19	3	2	28	4	5	4	10	1	1	3	7	6	10	20	18	10	8	3	2	4	
500 TO 999 EMPLOYEES	74	3	1	3	10	1	1	1	5	1	1	1	2	1	8	3	6	13	4	1	2	7	
1000 TO 2499 EMPLOYEES	19	1	1	1	1	1	1	1	2	1	1	1	1	1	1	2	3	3	2	1	1	1	
2500 EMPLOYEES AND OVER	11	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	3	2	2	1	1	1	
ADAIR COUNTY	23	2	2	2	2	12	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	
1 TO 19 EMPLOYEES	20	2	2	2	1	11	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	
20 TO 99 EMPLOYEES	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
250 EMPLOYEES AND OVER	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
ALLEN COUNTY	15	2	2	2	3	3	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	
1 TO 19 EMPLOYEES	10	2	2	2	3	3	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	
20 TO 49 EMPLOYEES	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
100 TO 249 EMPLOYEES	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
250 EMPLOYEES AND OVER	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
ANDERSON COUNTY	11	4	4	4	4	4	1	1	2	1	1	1	1	1	1	1	2	1	1	1	1	1	
1 TO 19 EMPLOYEES	5	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	2	1	1	1	1	1	
20 TO 99 EMPLOYEES	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
100 TO 249 EMPLOYEES	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
250 EMPLOYEES AND OVER	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
BALLARD COUNTY	13	1	1	1	1	4	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	
1 TO 19 EMPLOYEES	10	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
20 TO 99 EMPLOYEES	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
250 EMPLOYEES AND OVER	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
BARREN COUNTY	42	8	8	8	4	6	1	1	7	4	1	1	1	2	1	1	3	3	2	1	1	1	
1 TO 19 EMPLOYEES	23	6	6	6	2	4	1	1	5	1	1	1	1	1	1	1	2	1	1	1	1	1	
20 TO 99 EMPLOYEES	9	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
100 TO 249 EMPLOYEES	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
250 EMPLOYEES AND OVER	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	
BATH COUNTY	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1 TO 19 EMPLOYEES	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
BELL COUNTY	26	1	1	1	1	10	1	1	2	1	1	3	1	2	1	1	3	1	1	1	1	1	
1 TO 19 EMPLOYEES	15	1	1	1	1	9	1	1	2	1	1	3	1	1	1	1	2	1	1	1	1	1	
20 TO 99 EMPLOYEES	9	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	
100 TO 249 EMPLOYEES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
250 EMPLOYEES AND OVER	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
BOONE COUNTY	48	1	1	1	1	1	3	3	3	1	1	6	1	5	3	4	7	3	1	4	1	5	
1 TO 19 EMPLOYEES	20	1	1	1	1	1	1	1	3	1	1	2	1	3	3	1	3	1	1	2	1	1	
20 TO 99 EMPLOYEES	10	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	
100 TO 249 EMPLOYEES	13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
250 EMPLOYEES AND OVER	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
BOURBON COUNTY	17	2	2	2	3	1	1	1	2	2	1	1	1	1	1	1	5	2	1	1	1	1	
1 TO 19 EMPLOYEES	10	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	
20 TO 99 EMPLOYEES	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
100 TO 249 EMPLOYEES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
250 EMPLOYEES AND OVER	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
BOYD COUNTY	71	7	7	7	2	6	1	1	8	2	3	1	1	7	3	3	4	4	4	4	1	15	
1 TO 19 EMPLOYEES	40	4	4	4	1	6	1	1	7	1	2	1	1	5	2	1	4	3	2	2	1	4	
20 TO 99 EMPLOYEES	18	2	2	2	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	7	
100 TO 249 EMPLOYEES	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	
250 EMPLOYEES AND OVER	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	
BOYLE COUNTY	34	4	4	4	1	3	1	1	2	1	1	1	1	4	1	1	8	1	4	4	1	1	
1 TO 19 EMPLOYEES	18	2	2	2	1	3	1	1	1	1	1	1	1	1	1	1	4	3	4	4	1	1	
20 TO 99 EMPLOYEES	8	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
100 TO 249 EMPLOYEES	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
250 EMPLOYEES AND OVER	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977—Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
BRACKEN COUNTY	6	1	-	-	-	-	-	-	2	-	-	1	-	-	-	1	1	-	-	-	-	-
1 TO 19 EMPLOYEES	4	1	-	-	-	-	-	-	2	-	-	-	-	-	-	1	-	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BREATHITT COUNTY	8	1	-	-	-	3	-	-	1	-	-	-	-	2	-	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES	7	1	-	-	-	3	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BRECKINRIDGE COUNTY	12	1	-	-	2	3	1	-	1	-	-	-	-	4	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	8	1	-	-	-	3	-	-	1	-	-	-	-	3	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	3	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BULLITT COUNTY	14	1	-	-	-	2	1	-	4	-	-	-	-	1	-	1	4	-	-	-	-	-
1 TO 19 EMPLOYEES	10	-	-	-	-	2	1	-	3	-	-	-	-	1	-	1	2	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
BUTLER COUNTY	8	-	-	-	2	5	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
1 TO 19 EMPLOYEES	4	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CALDWELL COUNTY	18	-	-	1	1	6	-	-	3	-	-	-	-	2	1	3	-	1	-	-	-	-
1 TO 19 EMPLOYEES	12	-	-	-	1	6	-	-	3	-	-	-	-	1	1	2	-	-	-	-	-	-
20 TO 99 EMPLOYEES	3	-	-	-	1	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
CALLOWAY COUNTY	28	7	-	1	1	1	-	-	4	1	-	1	-	3	-	3	-	1	2	1	-	2
1 TO 19 EMPLOYEES	20	6	-	1	-	1	-	-	3	1	-	1	-	3	-	2	-	-	2	-	1	1
20 TO 99 EMPLOYEES	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
100 TO 249 EMPLOYEES	3	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
250 EMPLOYEES AND OVER	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CAMPBELL COUNTY	58	3	-	-	1	4	2	-	9	3	-	-	-	6	2	12	11	-	-	2	3	3
1 TO 19 EMPLOYEES	39	1	-	-	1	4	1	-	7	2	-	-	-	2	1	9	9	-	-	-	-	-
20 TO 99 EMPLOYEES	15	1	-	-	-	-	-	-	2	1	-	-	-	4	-	2	2	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
250 EMPLOYEES AND OVER	3	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CARLISLE COUNTY	5	1	-	-	-	1	-	-	1	-	-	-	-	1	-	-	-	1	-	-	-	-
1 TO 19 EMPLOYEES	4	1	-	-	-	1	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CARROLL COUNTY	14	-	1	-	-	1	2	1	2	2	-	-	-	-	1	2	1	-	1	-	-	-
1 TO 19 EMPLOYEES	4	-	-	-	-	-	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	7	-	1	-	-	1	-	-	-	1	-	-	-	-	1	2	-	-	1	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CARTER COUNTY	22	1	-	-	4	11	-	-	-	-	-	-	-	2	-	-	-	-	2	-	-	2
1 TO 19 EMPLOYEES	16	1	-	-	1	10	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	2	-	-	-	3	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CASEY COUNTY	30	-	-	-	1	21	2	-	2	-	-	-	-	-	-	1	3	-	-	-	-	-
1 TO 19 EMPLOYEES	25	-	-	-	-	19	2	-	2	-	-	-	-	-	-	-	2	-	-	-	-	-
20 TO 99 EMPLOYEES	4	-	-	-	-	2	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHRISTIAN COUNTY	57	7	2	1	6	4	-	1	4	3	1	1	1	5	2	5	4	1	3	-	3	3
1 TO 19 EMPLOYEES	36	5	1	-	2	2	-	1	3	3	1	-	-	4	1	2	3	-	3	-	2	3
20 TO 99 EMPLOYEES	11	2	1	1	2	2	-	-	1	-	-	-	-	1	-	1	1	-	-	-	1	1
100 TO 249 EMPLOYEES	5	-	-	-	1	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
250 EMPLOYEES AND OVER	5	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLARK COUNTY	30	2	-	-	3	2	2	1	3	2	-	-	-	2	-	3	8	1	1	-	-	-
1 TO 19 EMPLOYEES	18	-	-	-	1	1	1	1	2	2	-	-	-	2	-	1	7	-	-	-	-	-
20 TO 99 EMPLOYEES	6	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977—Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--machinery, except electrical; 35--electrical and electronic equipment; 36--transportation equipment; 37--instruments and related products; 38--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO ²
CLAY COUNTY	9	-	-	-	-	6	1	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-
1 TO 19 EMPLOYEES	8	-	-	-	-	6	1	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLINTON COUNTY	8	2	-	-	2	2	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	4	1	-	-	-	1	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CRITTENDEN COUNTY	12	-	-	-	-	5	-	-	2	-	1	-	-	1	-	-	2	1	-	-	-	-
1 TO 19 EMPLOYEES	9	-	-	-	-	4	-	-	1	-	1	-	-	1	-	-	2	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUMBERLAND COUNTY	7	-	-	-	2	3	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	5	-	-	-	-	3	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DAVIESS COUNTY	92	17	3	-	2	9	3	-	11	3	1	4	-	13	1	11	7	3	1	1	-	2
1 TO 19 EMPLOYEES	59	7	1	-	2	9	1	-	10	2	1	2	-	12	-	4	6	1	-	1	-	-
20 TO 99 EMPLOYEES	17	5	-	-	-	1	-	-	-	-	-	-	-	1	-	4	1	-	1	-	-	2
100 TO 249 EMPLOYEES	7	3	-	-	-	-	-	-	1	-	-	-	-	-	-	2	-	-	-	-	-	-
250 EMPLOYEES AND OVER	9	2	2	-	-	-	1	-	-	1	-	-	-	-	1	1	-	1	-	-	-	-
EDMONSON COUNTY	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ELLIOTT COUNTY	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ESTILL COUNTY	11	1	-	-	1	7	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	9	1	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FAYETTE COUNTY	216	16	5	-	4	8	7	2	49	9	1	3	-	16	1	24	31	9	2	4	13	12
1 TO 19 EMPLOYEES	130	8	-	-	2	7	5	-	38	6	-	1	-	8	1	14	17	3	1	4	8	7
20 TO 99 EMPLOYEES	59	4	-	-	1	1	1	1	10	3	1	2	-	7	-	9	10	4	-	-	3	2
100 TO 249 EMPLOYEES	15	3	3	-	-	-	-	-	-	-	-	-	-	1	-	1	1	-	-	-	-	-
250 EMPLOYEES AND OVER	12	1	2	-	1	-	-	1	1	-	-	-	-	-	-	1	3	2	-	-	-	-
FLEMING COUNTY	15	1	-	-	-	7	-	-	2	-	-	1	1	1	-	1	1	-	-	-	-	-
1 TO 19 EMPLOYEES	13	1	-	-	-	7	-	-	2	-	-	1	1	1	-	1	1	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FLOYD COUNTY	25	-	-	-	1	1	-	-	3	-	1	-	1	5	-	2	8	-	2	-	-	-
1 TO 19 EMPLOYEES	18	-	-	-	-	-	-	-	3	-	-	-	-	5	-	2	6	-	-	-	-	-
20 TO 99 EMPLOYEES	4	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	1	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FRANKLIN COUNTY	35	4	-	-	1	1	-	-	9	-	1	1	-	4	-	3	5	2	2	-	-	-
1 TO 19 EMPLOYEES	21	-	-	-	-	1	-	-	8	-	1	-	-	4	-	2	5	-	-	-	-	-
20 TO 99 EMPLOYEES	4	1	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	1	-	-	-	-
100 TO 249 EMPLOYEES	6	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	1	-	-	-
250 EMPLOYEES AND OVER	4	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FULTON COUNTY	9	2	-	-	1	1	-	-	2	1	1	-	-	1	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	7	2	-	-	1	1	-	-	2	1	1	-	-	1	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GALLATIN COUNTY	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
GARRARD COUNTY	10	1	-	-	1	-	1	-	5	-	-	-	-	-	-	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES	8	1	-	-	-	-	-	-	5	-	-	-	-	-	-	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

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		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
GRANT COUNTY	6	1	-	-	-	-	-	-	2	-	-	1	-	1	-	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES	5	1	-	-	-	-	-	-	2	-	-	1	-	1	-	-	1	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRAVES COUNTY	40	8	-	-	2	9	-	-	3	-	-	1	1	8	-	2	2	1	-	-	3	-
1 TO 19 EMPLOYEES	30	8	-	-	-	9	-	-	1	-	-	1	1	5	-	2	1	1	-	-	2	-
20 TO 99 EMPLOYEES	5	-	-	-	-	-	-	-	2	-	-	-	-	1	-	-	-	-	-	-	1	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-
250 EMPLOYEES AND OVER	4	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRAYSON COUNTY	25	3	-	-	2	8	-	1	3	-	-	-	-	3	-	3	1	-	-	-	1	-
1 TO 19 EMPLOYEES	15	2	-	-	-	5	-	-	3	-	-	-	-	2	-	1	1	-	-	-	1	-
20 TO 99 EMPLOYEES	5	1	-	-	2	3	-	-	-	-	-	-	-	1	-	2	-	-	-	-	-	-
100 TO 249 EMPLOYEES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GREEN COUNTY	10	1	-	-	2	1	1	-	2	-	-	1	-	1	1	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	6	1	-	-	1	-	-	-	2	-	-	1	-	1	1	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GREENUP COUNTY	17	1	-	-	-	2	-	-	4	-	-	1	-	4	-	-	2	-	1	-	2	-
1 TO 19 EMPLOYEES	10	-	-	-	-	-	-	-	4	-	-	-	-	2	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	2	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
HANCOCK COUNTY	12	-	-	-	-	-	-	-	3	-	1	-	-	2	4	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	5	-	-	-	-	-	-	-	3	-	1	-	-	1	1	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	4	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HARDIN COUNTY	44	7	-	-	1	2	-	-	7	1	1	3	-	5	1	5	5	4	2	-	-	-
1 TO 19 EMPLOYEES	25	4	-	-	-	-	-	-	5	1	1	1	-	4	-	1	3	3	1	-	-	-
20 TO 99 EMPLOYEES	9	2	-	-	-	-	-	-	1	-	-	-	-	1	-	2	1	-	-	-	-	-
100 TO 249 EMPLOYEES	5	1	-	-	-	-	-	-	1	-	-	-	-	-	-	1	1	-	-	-	-	-
250 EMPLOYEES AND OVER	5	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HARLAN COUNTY	20	2	-	-	-	8	-	-	5	-	-	-	-	-	-	-	3	2	-	-	-	-
1 TO 19 EMPLOYEES	16	2	-	-	-	7	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-
20 TO 99 EMPLOYEES	3	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HARRISON COUNTY	17	2	-	-	1	-	-	-	2	1	-	-	-	2	2	3	2	-	-	2	-	-
1 TO 19 EMPLOYEES	5	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	6	1	-	-	-	-	-	-	1	1	-	-	-	-	-	2	2	-	-	1	-	-
100 TO 249 EMPLOYEES	4	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HART COUNTY	11	2	-	-	2	2	-	-	-	-	-	-	-	-	-	2	-	-	3	-	-	-
1 TO 19 EMPLOYEES	4	1	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-
20 TO 99 EMPLOYEES	4	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-
100 TO 249 EMPLOYEES	3	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HENDERSON COUNTY	61	3	-	1	2	6	5	1	2	4	-	7	-	3	3	3	10	-	6	-	4	1
1 TO 19 EMPLOYEES	31	2	-	-	-	2	2	-	1	2	-	3	-	2	-	2	8	-	4	-	1	1
20 TO 99 EMPLOYEES	21	1	-	-	2	4	2	1	1	2	-	4	-	1	-	1	2	-	-	-	1	-
100 TO 249 EMPLOYEES	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	7	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	2	-	-	-
HENRY COUNTY	9	1	-	-	1	-	-	-	1	1	-	-	-	-	1	2	-	1	-	-	1	-
1 TO 19 EMPLOYEES	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HICKMAN COUNTY	5	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-
1 TO 19 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HOPKINS COUNTY	54	6	-	-	2	13	-	1	6	1	-	2	-	4	-	5	10	1	1	-	1	1
1 TO 19 EMPLOYEES	37	2	-	-	-	12	-	1	5	1	-	-	-	4	-	3	7	-	1	-	-	-
20 TO 99 EMPLOYEES	6	2	-	-	-	1	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-
100 TO 249 EMPLOYEES	7	2	-	-	1	-	-	-	-	-	-	1	-	-	-	-	2	-	-	-	-	-
250 EMPLOYEES AND OVER	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

State, county, and employee size class ¹	All es- tab- lish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
JACKSON COUNTY	17	1	-	-	-	11	-	-	-	-	-	1	-	1	-	-	-	1	-	-	-	2
1 TO 19 EMPLOYEES	15	1	-	-	-	11	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	1
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JEFFERSON COUNTY	911	80	4	5	22	48	24	23	161	58	7	26	1	43	14	101	129	35	22	14	46	48
1 TO 19 EMPLOYEES	534	29	-	2	12	26	17	6	123	25	6	15	1	27	6	53	85	22	12	12	37	18
20 TO 99 EMPLOYEES	233	26	1	3	7	16	6	11	25	19	-	-	-	12	3	33	29	5	5	1	9	17
100 TO 249 EMPLOYEES	68	12	-	-	1	2	-	-	8	5	1	5	-	2	3	7	5	2	2	1	-	6
250 EMPLOYEES AND OVER	76	13	3	-	2	4	1	-	5	9	-	1	-	2	2	8	10	6	3	-	-	7
JESSAMINE COUNTY	16	-	-	-	1	1	1	2	2	1	-	-	-	2	2	1	3	-	-	-	-	-
1 TO 19 EMPLOYEES	9	-	-	-	1	1	1	1	2	1	-	-	-	1	2	-	3	-	-	-	-	-
20 TO 99 EMPLOYEES	5	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JOHNSON COUNTY	17	1	-	-	1	5	-	-	4	-	-	-	-	1	-	1	1	-	1	2	-	-
1 TO 19 EMPLOYEES	15	1	-	-	-	5	-	-	4	-	-	-	-	1	-	-	1	-	1	2	-	-
20 TO 99 EMPLOYEES	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
KENTON COUNTY	108	12	-	2	3	2	2	4	12	3	-	2	-	5	1	24	20	4	2	2	6	2
1 TO 19 EMPLOYEES	70	10	-	2	1	2	2	1	11	2	-	1	-	4	1	14	13	-	-	1	3	2
20 TO 99 EMPLOYEES	24	1	-	-	-	1	-	-	-	1	-	1	-	1	-	1	5	2	-	1	3	-
100 TO 249 EMPLOYEES	10	1	-	-	1	-	-	1	1	-	-	-	-	-	-	2	1	1	1	1	-	-
250 EMPLOYEES AND OVER	4	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	1	-	-	-	-
KNOTT COUNTY	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KNOX COUNTY	22	1	-	-	1	9	1	-	2	2	-	-	-	1	1	1	1	2	-	-	-	-
1 TO 19 EMPLOYEES	12	1	-	-	-	7	1	-	1	1	-	-	-	1	-	1	1	-	-	-	-	-
20 TO 99 EMPLOYEES	5	-	-	-	-	2	1	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-
100 TO 249 EMPLOYEES	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LARUE COUNTY	10	1	-	-	1	4	-	-	1	-	-	-	-	2	-	-	-	1	-	-	-	-
1 TO 19 EMPLOYEES	7	1	-	-	-	2	-	-	1	-	-	-	-	2	-	-	-	1	-	-	-	-
20 TO 99 EMPLOYEES	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LAUREL COUNTY	31	3	-	2	1	11	1	-	1	3	1	-	-	3	-	-	2	2	1	-	-	-
1 TO 19 EMPLOYEES	19	-	-	-	1	9	-	-	1	2	1	-	-	2	-	-	2	-	1	-	-	-
20 TO 99 EMPLOYEES	7	1	-	-	1	2	1	-	-	1	-	-	-	1	-	-	-	1	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	3	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LAWRENCE COUNTY	12	1	-	1	1	7	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	9	1	-	-	1	6	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	2	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEE COUNTY	4	-	-	-	-	2	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	4	-	-	-	-	2	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-
LESLIE COUNTY	8	-	-	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	8	-	-	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LETCHER COUNTY	10	3	-	-	-	3	-	-	3	-	1	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	7	1	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	3	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEWIS COUNTY	14	-	-	-	-	12	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	12	-	-	-	-	11	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
LINCOLN COUNTY	15	2	-	-	1	5	1	-	1	1	-	-	-	3	-	1	-	-	-	-	-	-
1 TO 19 EMPLOYEES	12	2	-	-	-	4	1	-	1	1	-	-	-	3	-	1	-	-	-	-	-	-
20 TO 99 EMPLOYEES	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B)

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 — Con.

(Major groups descriptions are: 20---food and kindred products; 21---tobacco manufactures; 22---textile mill products; 23---apparel and other textile products; 24---lumber and wood products; 25---furniture and fixtures; 26---paper and allied products; 27---printing and publishing; 28---chemicals and allied products; 29---petroleum and coal products; 30---rubber and miscellaneous plastics products; 31---leather and leather products; 32---stone, clay, and glass products; 33---primary metal industries; 34---fabricated metal products; 35---machinery, except electrical; 36---electric and electronic equipment; 37---transportation equipment; 38---instruments and related products; 39---miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
METCALFE COUNTY.	11	-	-	-	2	5	2	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
1 TO 19 EMPLOYEES.	8	-	-	-	-	4	2	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
20 TO 99 EMPLOYEES.	2	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONROE COUNTY.	26	3	-	-	5	13	-	-	2	-	-	-	-	1	-	2	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	15	2	-	-	-	9	-	-	2	-	-	-	-	1	-	1	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	7	1	-	-	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTGOMERY COUNTY.	17	2	-	-	2	2	-	1	3	-	-	-	-	1	-	-	2	2	-	-	-	2
1 TO 19 EMPLOYEES.	10	2	-	-	-	2	-	1	3	-	-	-	-	1	-	-	1	-	-	-	-	2
20 TO 99 EMPLOYEES.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
250 EMPLOYEES AND OVER.	1	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MORGAN COUNTY.	7	-	-	-	-	3	-	-	2	-	-	-	1	1	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	6	-	-	-	-	3	-	-	1	-	-	-	1	1	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
MUHLENBERG COUNTY.	27	1	-	-	2	13	-	-	4	1	-	-	-	1	1	1	2	1	-	-	-	-
1 TO 19 EMPLOYEES.	19	-	-	-	-	9	-	-	4	-	-	-	-	1	1	1	2	1	-	-	-	-
20 TO 99 EMPLOYEES.	6	1	-	-	2	4	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NELSON COUNTY.	33	9	-	-	1	9	1	-	1	-	1	2	-	4	-	2	-	-	-	-	1	2
1 TO 19 EMPLOYEES.	24	5	-	-	-	9	1	-	1	-	-	-	-	4	-	2	-	-	-	-	-	2
20 TO 99 EMPLOYEES.	3	2	-	-	1	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	2
100 TO 249 EMPLOYEES.	5	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NICHOLAS COUNTY.	7	2	-	1	1	-	-	-	1	-	-	-	-	-	-	-	2	-	-	-	-	-
1 TO 19 EMPLOYEES.	5	2	-	1	-	-	-	-	1	-	-	-	-	-	-	-	2	-	-	-	-	-
20 TO 99 EMPLOYEES.	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OHIO COUNTY.	30	2	-	1	2	9	1	-	6	-	1	-	1	-	-	2	-	1	-	-	2	2
1 TO 19 EMPLOYEES.	17	1	-	1	1	5	-	-	6	-	1	-	1	-	-	1	-	-	-	-	1	1
20 TO 99 EMPLOYEES.	9	1	-	1	1	4	1	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-
100 TO 249 EMPLOYEES.	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OLDHAM COUNTY.	20	-	-	-	-	2	-	-	2	1	-	1	-	2	1	4	3	2	1	-	1	1
1 TO 19 EMPLOYEES.	15	-	-	-	-	2	-	-	2	2	-	-	-	2	2	3	2	2	1	-	1	1
20 TO 99 EMPLOYEES.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OWEN COUNTY.	5	1	-	-	-	-	-	-	2	-	-	-	1	-	-	-	-	-	-	-	-	1
1 TO 19 EMPLOYEES.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	1	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENDLETON COUNTY.	7	1	-	-	-	-	-	-	1	-	-	-	1	1	-	1	1	-	1	-	-	-
1 TO 19 EMPLOYEES.	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	3	1	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PERRY COUNTY.	9	1	-	-	-	2	-	-	3	-	-	-	-	1	-	-	2	2	-	-	-	-
1 TO 19 EMPLOYEES.	8	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PIKE COUNTY.	26	2	-	-	-	8	-	-	5	-	2	1	1	4	-	-	1	1	-	1	1	1
1 TO 19 EMPLOYEES.	21	2	-	-	-	8	-	-	5	-	1	1	-	2	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
POWELL COUNTY.	5	-	-	-	-	1	-	-	1	-	1	-	1	1	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	4	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PULASKI COUNTY.	61	8	-	-	1	18	2	-	2	2	2	-	-	11	-	2	7	-	3	-	-	3
1 TO 19 EMPLOYEES.	46	7	-	-	-	17	-	-	1	1	1	-	-	9	-	1	4	-	3	-	-	3
20 TO 99 EMPLOYEES.	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	6	1	-	-	-	1	-	-	-	-	-	-	-	2	-	-	2	-	-	-	-	-
250 EMPLOYEES AND OVER.	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977-Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																			39	CAO's
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38		
ROCKCASTLE COUNTY	10	-	-	-	-	3	-	-	1	-	-	-	-	1	-	1	2	-	-	-	2	-
1 TO 19 EMPLOYEES	10	-	-	-	-	3	-	-	1	-	-	-	-	1	-	1	2	-	-	-	2	-
ROWAN COUNTY	25	2	-	-	1	18	-	-	2	-	-	-	-	1	-	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES	18	1	-	-	-	15	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	5	1	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
RUSSELL COUNTY	17	2	-	-	3	6	-	-	1	-	-	-	-	-	-	1	3	-	1	-	-	-
1 TO 19 EMPLOYEES	12	1	-	-	1	4	-	-	1	-	-	-	-	-	-	1	3	-	1	-	-	-
20 TO 99 EMPLOYEES	3	1	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SCOTT COUNTY	23	-	-	-	-	-	-	-	3	-	-	-	-	-	2	5	9	1	-	1	2	-
1 TO 19 EMPLOYEES	9	-	-	-	-	-	-	-	3	-	-	-	-	-	-	1	4	-	-	-	1	-
20 TO 99 EMPLOYEES	7	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	3	-	-	-	-	-
100 TO 249 EMPLOYEES	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	1	-
250 EMPLOYEES AND OVER	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-
SHELBY COUNTY	30	4	2	-	1	-	-	1	4	2	2	1	-	2	1	6	2	-	-	-	-	2
1 TO 19 EMPLOYEES	14	1	2	-	-	-	-	-	2	2	2	1	-	1	1	2	1	-	-	-	1	-
20 TO 99 EMPLOYEES	13	3	-	-	1	-	-	1	1	2	-	1	-	1	1	1	1	-	-	-	-	1
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
SIMPSON COUNTY	25	4	-	-	1	1	-	2	2	1	-	2	-	1	1	3	3	2	1	1	-	-
1 TO 19 EMPLOYEES	14	4	-	-	-	1	-	-	1	-	-	1	-	1	1	2	2	1	1	-	-	-
20 TO 99 EMPLOYEES	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
100 TO 249 EMPLOYEES	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	5	-	-	-	1	-	-	1	-	1	-	-	-	-	-	-	-	1	-	-	-	-
SPENCER COUNTY	3	1	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-
1 TO 19 EMPLOYEES	3	1	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-
TAYLOR COUNTY	23	3	-	1	-	6	4	-	3	-	-	-	-	1	-	2	2	-	-	-	-	1
1 TO 19 EMPLOYEES	17	2	-	-	-	6	3	-	3	-	-	-	-	1	-	1	1	-	-	-	-	1
20 TO 99 EMPLOYEES	3	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TODD COUNTY	17	-	-	-	2	8	-	4	1	-	-	-	-	-	1	1	-	-	-	-	-	-
1 TO 19 EMPLOYEES	9	-	-	-	-	5	-	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	6	-	-	-	1	3	-	1	-	-	-	-	-	-	1	1	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRIGG COUNTY	20	2	-	1	2	8	-	-	-	-	-	-	1	-	-	2	3	-	-	-	-	1
1 TO 19 EMPLOYEES	15	2	-	1	1	8	-	-	-	-	-	-	1	-	-	1	1	-	-	-	-	1
20 TO 99 EMPLOYEES	3	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRIMBLE COUNTY	2	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
UNION COUNTY	19	2	-	1	2	-	1	2	3	-	-	-	-	2	-	2	2	-	1	-	-	-
1 TO 19 EMPLOYEES	12	2	-	1	1	-	1	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-
20 TO 99 EMPLOYEES	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WARREN COUNTY	61	10	2	1	3	4	3	1	9	-	2	1	-	4	1	3	7	3	1	-	4	2
1 TO 19 EMPLOYEES	35	7	-	-	2	2	1	1	8	-	2	1	-	4	1	1	2	1	1	-	4	1
20 TO 99 EMPLOYEES	14	3	-	-	2	1	1	1	1	-	-	1	-	-	1	1	1	1	-	-	1	1
100 TO 249 EMPLOYEES	5	-	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	7	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WASHINGTON COUNTY	8	2	1	-	1	1	-	-	1	-	-	2	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	2	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	4	1	-	-	-	1	-	-	1	-	-	2	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
WAYNE COUNTY	28	1	-	-	5	16	-	-	2	-	-	-	-	2	1	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES.	21	1	-	-	3	12	-	-	2	-	-	-	-	2	-	-	1	-	-	-	-	-
20 TO 99 EMPLOYEES	3	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	3	-	-	-	1	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEBSTER COUNTY	13	-	-	-	1	4	-	-	2	-	-	1	-	-	-	2	3	-	-	-	-	-
1 TO 19 EMPLOYEES.	11	-	-	-	-	4	-	-	2	-	-	-	-	-	-	2	3	-	-	-	-	-
20 TO 99 EMPLOYEES	2	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
WHITLEY COUNTY	26	2	-	1	1	4	1	-	4	-	-	3	-	6	-	1	2	-	-	-	1	-
1 TO 19 EMPLOYEES.	16	-	-	-	-	4	-	-	2	-	-	2	-	5	-	1	1	-	-	-	1	-
20 TO 99 EMPLOYEES	3	1	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	3	1	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	4	-	-	1	1	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-
WOLFE COUNTY	6	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES.	4	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WOODFORD COUNTY.	12	1	-	-	1	-	-	3	-	-	-	1	-	1	-	-	2	2	-	1	-	-
1 TO 19 EMPLOYEES.	6	1	-	-	-	-	-	2	-	-	-	1	-	-	-	-	2	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	4	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	2	-	1	-	-

Note: Data on number of establishments by employment size class by 4-digit SIC industry for States, counties, and selected cities are presented in Location of Manufacturing Plants data series. This series is available only on computer tape (see Introduction).
 - Represents zero.
¹Only those counties and size classes that include data for manufacturing establishments are shown.

Louisiana

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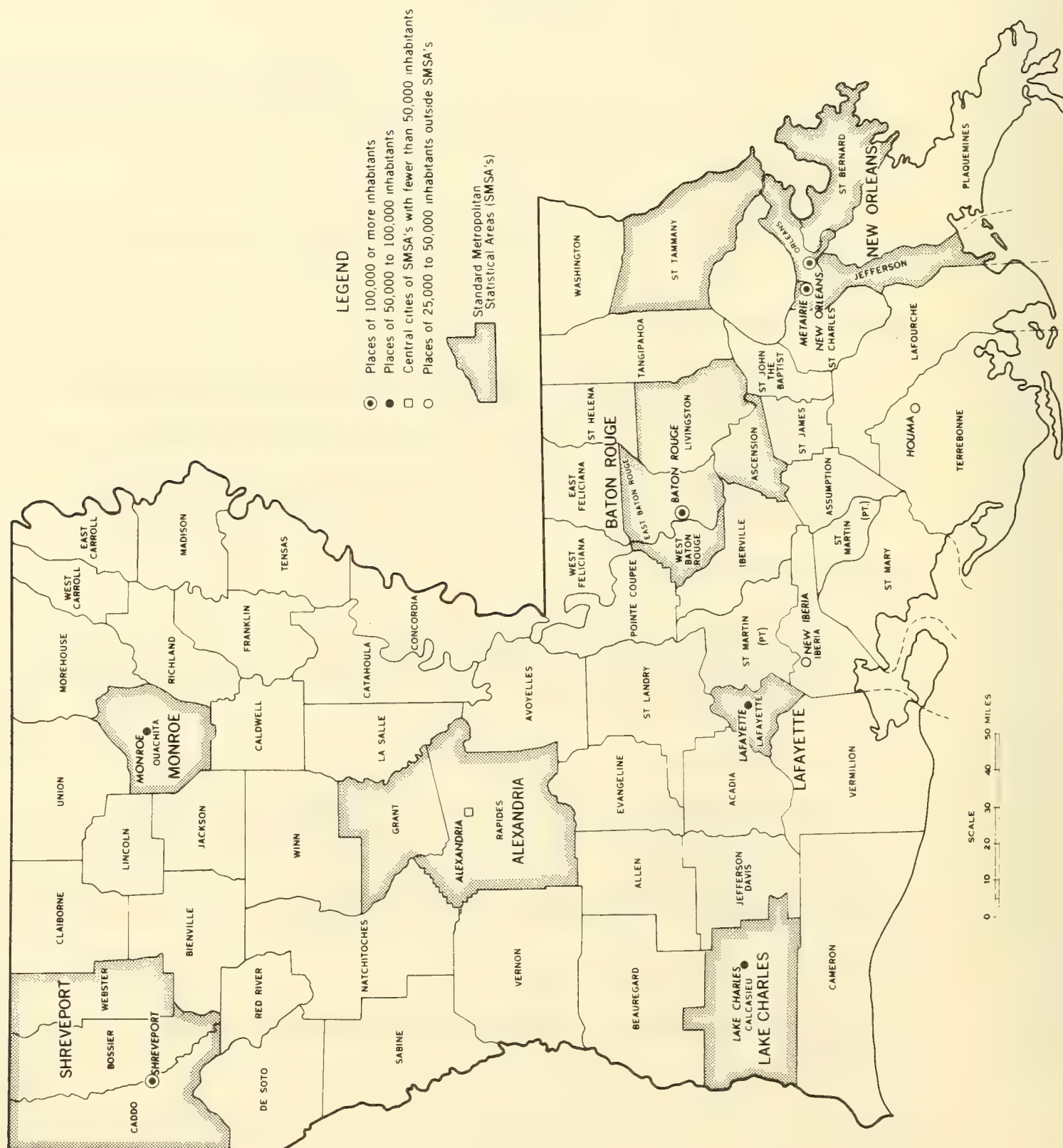
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9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Parishes: 1977.	23
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LOUISIANA



SUMMARY OF FINDINGS

In 1977, 194.8 thousand persons were employed in Louisiana's manufacturing establishments. This figure represented an increase of 9 percent from the 1972 figure of 179.4 thousand workers.

The total value added by manufacture for the State amounted to \$9,418 million in 1977, an increase of approximately 120 percent from the 1972 figure of \$4,273 million. All dollar figures in this report are in current dollars and are, therefore, not adjusted for changes in price levels.

In the State, the most important industry groups ranked by employment were chemicals and allied products, food and kindred products, transportation equipment, and paper and allied products. They accounted for approximately 48 percent of the State's 1977 employment. These same industry groups were in the forefront for 1972 when they accounted for approximately 50 percent of the State's employment.

The most important parishes in the State ranked by employment were Caddo, Orleans, Jefferson, and East Baton Rouge. They accounted for approximately 42 percent of the State's 1977 manufacturing employment. In 1972, these same parishes accounted for approximately 46 percent of the State's employment.

The methods of data collection and use of administrative records data are discussed in detail in the Introduction. Small single-unit companies with up to 20 employees (the cutoff varied by industry) were excluded from the mail portion of the census. For these establishments (and a small number of larger establishments whose reports were not received in time to be tabulated), statistics on payrolls and receipts were obtained from administrative records of other government agencies. Other statistics were developed from industry averages. For this State, these establishments accounted for 2 percent of the total value of shipments.

Table 1. Historical Employment Statistics for Operating Manufacturing Establishments and Central Administrative Offices: 1977 and Earlier Years

(For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

State, standard metropolitan statistical area, and year	All establishments		Operating manufacturing establishments		Central administrative offices and auxiliaries ¹	
	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)
Louisiana:						
1977.....	194.8	2,682.7	192.0	2,635.0	2.8	47.7
1972.....	179.4	1,601.4	176.6	1,571.2	2.8	30.2
1967.....	164.5	1,084.4	162.7	1,068.8	1.8	15.6
1963.....	139.5	769.4	138.8	763.7	.8	5.8
STANDARD METROPOLITAN STATISTICAL AREAS						
Alexandria:						
1977.....	4.5	53.5	4.5	53.1	(Z)	.4
1972.....	4.5	31.2	4.5	31.2	-	-
Baton Rouge:						
1977.....	24.1	418.9	23.9	414.2	.2	4.7
1972.....	22.1	269.9	21.7	263.5	.4	6.4
Lafayette:						
1977.....	3.5	38.3	(D)	(D)	(D)	(D)
1972.....	2.7	19.1	(D)	(D)	(D)	(D)
1967.....	2.0	10.6	(D)	(D)	(D)	(D)
1963.....	1.7	7.6	(D)	(D)	(D)	(D)
Lake Charles:						
1977.....	10.8	199.0	10.7	197.7	.1	1.3
1972.....	9.3	104.1	9.2	103.8	.1	.3
1967.....	8.2	66.3	8.1	66.0	.1	.3
1963.....	7.9	53.5	(D)	(D)	(D)	(D)
Monroe:						
1977.....	7.7	112.9	6.9	100.0	.8	12.9
1972.....	6.4	57.1	6.0	52.4	.4	4.7
1967.....	6.2	40.6	(D)	(D)	(D)	(D)
1963.....	5.7	30.5	(D)	(D)	(D)	(D)
New Orleans:						
1977.....	46.8	645.8	46.2	633.3	.6	12.5
1972.....	54.6	480.7	53.0	464.9	1.6	15.8
1967.....	55.5	380.0	54.4	371.8	1.1	8.2
1963.....	49.1	282.9	48.8	280.8	.3	2.2
Shreveport:						
1977.....	28.0	327.5	27.7	323.1	.3	4.4
1972.....	23.2	185.2	(D)	(D)	(D)	(D)

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Defined in appendix B. Data for these establishments are included at the total manufacturing level in each table in this report. Data for these establishments are shown separately in tables 5 and 9 and included in State, SMSA, parish, or city totals in other tables.

Table 2a. Historical Statistics for the State and Selected Standard Metropolitan Statistical Areas:
1977 and Earlier Years

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B.															
Year ¹	Establishments ²		All employees ²		Production workers							Comparative indexes and U.S. employment			
	Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)	Value added by manu- facture (million dollars)	Cost of materials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)	Percent of U.S. manufac- turing employ- ment (per- cent)	Index of State em- ploy- ment change (1977= 100)	United States	
														Index of manufac- turing employ- ment change (1977= 100)	U.S. manu- facturing employ- ment (1,000)
LOUISIANA															
1977 CENSUS.	4 276	1 236	194.8	2 682.7	145.2	292.0	1 798.9	9 418.3	20 266.6	29 493.3	2 072.8	.99	100	100	19 596.9
1976 ASM....	(NA)	(NA)	189.8	2 395.2	140.1	287.8	1 576.0	8 423.4	16 884.5	25 225.2	1 560.8	1.01	97	96	18 753.0
1975 ASM....	(NA)	(NA)	183.3	2 088.5	136.5	276.9	1 381.6	7 408.5	14 646.3	22 160.4	1 164.1	1.00	94	94	18 302.2
1974 ASM....	(NA)	(NA)	180.6	1 869.2	136.4	278.4	1 256.8	6 924.7	13 075.4	19 576.0	948.2	.91	93	102	19 844.8
1973 ASM....	(NA)	(NA)	183.8	1 705.9	138.4	280.3	1 152.2	4 844.8	8 174.8	12 968.2	704.3	.92	94	102	19 897.9
1972 CENSUS.	3 651	1 133	179.4	1 601.4	134.3	274.6	1 072.1	4 273.4	7 014.1	11 265.0	568.2	.94	92	98	19 028.7
1971 ASM....	(NA)	(NA)	161.0	1 347.0	119.4	246.6	898.4	3 504.5	5 840.5	9 334.2	536.5	.88	83	94	18 363.1
1970 ASM....	(NA)	(NA)	167.9	1 287.7	124.4	258.1	865.3	3 364.7	5 507.9	8 838.2	470.6	.87	86	99	19 217.2
1969 ASM....	(NA)	(NA)	173.3	1 265.5	129.0	264.1	839.7	3 250.3	5 342.8	8 587.3	561.1	.86	89	103	20 035.5
1968 ASM....	(NA)	(NA)	169.6	1 189.7	124.9	262.2	793.5	3 045.3	4 998.2	8 037.3	607.6	.87	87	100	19 527.6
1967 CENSUS.	3 639	1 016	164.5	1 084.4	120.8	250.6	712.2	2 790.3	4 536.5	7 275.2	741.4	.85	84	99	19 323.2
1966 ASM....	(NA)	(NA)	151.6	939.3	112.3	232.3	618.6	2 530.6	4 017.6	6 509.1	487.5	.80	78	98	19 024.5
1965 ASM....	(NA)	(NA)	147.6	873.3	109.3	226.7	573.8	2 250.7	3 706.8	5 954.3	344.3	.82	76	92	18 010.2
1964 ASM....	(NA)	(NA)	145.8	857.7	105.0	219.5	534.6	2 147.2	3 480.2	5 645.1	230.2	.84	75	89	17 268.5
1963 CENSUS.	(D)	954	139.5	769.4	104.7	215.4	526.2	1 915.6	(NA)	(NA)	210.8	.82	72	87	16 958.4
NEW ORLEANS SMSA															
1977 CENSUS.	1 031	298	46.8	645.8	34.4	70.2	437.1	1 577.4	2 798.5	4 389.3	165.8	.24	100	100	19 596.9
1976 ASM....	(NA)	(NA)	50.5	656.2	33.5	71.7	394.8	1 620.6	2 507.4	4 118.6	126.6	.27	108	96	18 753.0
1975 ASM....	(NA)	(NA)	47.8	568.0	33.7	71.7	366.3	1 421.9	2 324.6	3 733.3	124.6	.26	102	94	18 302.2
1974 ASM....	(NA)	(NA)	47.8	512.9	34.2	72.7	330.8	1 450.8	2 154.8	3 535.9	64.7	.24	102	102	19 844.8
1973 ASM....	(NA)	(NA)	53.6	498.1	38.8	79.0	327.4	1 083.9	1 468.7	2 537.0	63.1	.27	115	102	19 897.9
1972 CENSUS.	934	344	54.6	480.7	39.3	79.0	307.6	988.6	1 307.9	2 289.8	73.2	.29	117	98	19 028.7
1971 ASM....	(NA)	(NA)	50.6	418.4	37.0	76.0	276.2	885.2	1 130.0	2 018.9	44.5	.28	108	94	18 363.1
1970 ASM....	(NA)	(NA)	52.9	400.9	39.0	79.9	267.1	845.4	1 134.1	1 972.4	40.8	.28	113	99	19 217.2
1969 ASM....	(NA)	(NA)	52.7	393.6	38.3	78.2	256.4	868.0	1 158.8	2 023.8	57.0	.26	113	103	20 035.5
1968 ASM....	(NA)	(NA)	54.4	396.8	38.9	80.8	253.6	889.7	1 154.0	2 045.5	74.9	.28	116	100	19 527.6
1967 CENSUS.	906	312	55.5	380.0	38.8	78.5	232.9	860.1	1 063.4	1 919.6	82.8	.29	119	99	19 323.2
1966 ASM....	(NA)	(NA)	57.0	363.9	39.3	80.4	223.5	827.3	1 028.5	1 842.3	55.6	.30	122	98	19 024.5
1965 ASM....	(NA)	(NA)	56.2	348.7	38.7	80.2	210.9	786.7	971.1	1 760.7	61.1	.31	120	92	18 010.2
1964 ASM....	(NA)	(NA)	55.3	352.7	36.7	75.9	189.0	781.5	940.1	1 727.4	37.6	.32	118	89	17 268.5
1963 CENSUS.	916	309	49.1	282.9	36.5	74.9	193.5	618.4	(NA)	(NA)	31.2	.29	105	87	16 958.4

(NA) Not available.

¹In annual survey of manufactures (ASM) years, data are estimates based on a representative sample of establishments canvassed annually and may differ from results of a complete canvass of all establishments. ASM publication shows percentage standard errors. Unless otherwise noted, for data prior to 1963, see 1963 Census of Manufactures, vol. III, table 1 of State chapter.

²Including central administrative offices and auxiliaries (for definition, see appendix B).

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

**Table 2b. Selected Operating Ratios for the State and Selected Standard Metropolitan Statistical Areas:
1977 and Earlier Years**

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials as percent of value of shipments (percent)	Cost of materials and payroll as percent of value of shipments (percent)	Value added per employee (dollars)	Payroll as percent of value added (percent)	Value added per production worker hour (dollars)
LOUISIANA									
1977 CENSUS.....	13 772	75	2 011	6.16	69	78	48 349	28	32.26
1976 ASM.....	12 620	74	2 054	5.48	67	76	44 380	28	29.27
1975 ASM.....	11 394	74	2 029	4.99	66	76	40 417	28	26.76
1974 ASM.....	10 350	76	2 041	4.51	67	76	38 343	27	24.87
1973 ASM.....	9 281	75	2 025	4.11	63	76	26 359	35	17.28
1972 CENSUS.....	8 926	75	2 045	3.90	62	76	23 821	37	15.56
1971 ASM.....	8 366	74	2 065	3.64	63	77	21 767	38	14.21
1970 ASM.....	7 669	74	2 075	3.35	62	77	20 040	38	13.04
1969 ASM.....	7 302	74	2 047	3.18	62	77	18 755	39	12.31
1968 ASM.....	7 015	74	2 099	3.03	62	77	17 956	39	11.61
1967 CENSUS.....	6 592	73	2 075	2.84	62	77	16 962	39	11.13
1966 ASM.....	6 196	74	2 069	2.66	62	76	16 693	37	10.89
1965 ASM.....	5 917	74	2 074	2.53	62	77	15 249	39	9.93
1964 ASM.....	5 883	72	2 090	2.44	62	77	14 727	40	9.78
1963 CENSUS.....	5 515	75	2 057	2.44	(NA)	(NA)	13 732	40	8.89
NEW ORLEANS SMSA									
1977 CENSUS.....	13 806	74	2 038	6.23	64	78	33 722	41	22.48
1976 ASM.....	12 994	66	2 140	5.51	61	77	32 091	40	22.60
1975 ASM.....	11 883	71	2 128	5.11	62	77	29 747	40	19.83
1974 ASM.....	10 730	72	2 126	4.55	61	75	30 351	35	19.96
1973 ASM.....	9 293	72	2 036	4.14	58	78	20 222	46	13.72
1972 CENSUS.....	8 804	72	2 010	3.89	57	78	18 106	49	12.51
1971 ASM.....	8 269	73	2 054	3.63	56	77	17 494	47	11.65
1970 ASM.....	7 578	74	2 049	3.34	57	78	15 981	47	10.58
1969 ASM.....	7 469	73	2 042	3.28	57	77	16 471	45	11.10
1968 ASM.....	7 294	72	2 077	3.14	56	76	16 355	45	11.01
1967 CENSUS.....	6 847	70	2 023	2.97	55	75	15 497	44	10.96
1966 ASM.....	6 384	69	2 046	2.78	56	76	14 514	44	10.29
1965 ASM.....	6 205	69	2 072	2.63	55	75	13 998	44	9.81
1964 ASM.....	6 378	66	2 068	2.49	54	75	14 132	45	10.30
1963 CENSUS.....	5 762	74	2 052	2.58	(NA)	(NA)	12 595	46	8.26

Note: For qualifications to data, see footnotes on table 2a.
(NA) Not available.

Table 3a. Summary Statistics for the State: 1977 and 1972

[For explanation of terms, see appendix B]

Item	Unit of measure	1977	1972
All establishments ¹	number	4 276	3 657
With 1 to 19 employees	do	3 040	2 524
With 20 to 99 employees	do	820	757
With 100 employees or more	do	416	376
All employees, average for year ¹	1,000	194.8	179.4
Payroll for year, all employees ¹	mil. dollars ..	2 682.7	1 601.4
Production workers:			
Average for year	1,000	145.2	134.3
March	do	140.5	129.4
May	do	143.2	132.9
August	do	146.7	135.9
November	do	149.8	139.0
Hours	millions	292.0	274.6
January to March	do	69.9	65.0
April to June	do	72.7	67.8
July to September	do	73.5	69.2
October to December	do	75.9	72.6
Wages	mil. dollars ..	1 798.9	1 072.1
Cost of materials, etc. ²	do	20 266.6	7 014.1
Materials, parts, containers, etc., consumed	do	18 261.8	6 405.2
Resales	do	541.5	181.1
Fuels consumed	do	833.9	217.6
Purchased electric energy	do	325.8	127.9
Contract work	do	303.6	82.3
Value of shipments, including resales ²	do	29 493.3	11 265.0
Value of resales	do	610.3	201.3
Value added by manufacture	do	9 418.3	4 273.4
Manufacturers' inventories:			
Beginning of year	do	2 233.8	1 010.2
Finished products	do	781.1	419.5
Work in process	do	568.4	231.2
Materials, supplies, fuel, etc.	do	884.3	359.5
End of year	do	2 506.3	1 027.7
Finished products	do	940.7	413.9
Work in process	do	596.5	243.7
Materials, supplies, fuel, etc.	do	969.1	370.0
Capital expenditures for plant and equipment	do	2 134.6	578.7
New capital expenditures	do	2 072.8	568.2
New buildings and other structures	do	381.0	192.5
New machinery and equipment	do	1 691.8	375.7
Used capital expenditures	do	61.8	10.5

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies.

¹Including central administrative offices and auxiliaries (for definition, see appendix B).

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 3b. Supplemental State Statistics Based on Sample Estimates: 1977

(For explanation of terms, see appendix B. For description of annual survey of manufactures (ASM), see appendix F)

Item	Amount (million dollars)	Standard error of estimate (percent)	Item	Amount (million dollars)	Standard error of estimate (percent)
Gross value of depreciable assets:			Rental payments:		
Total:			Total	98.6	2
Beginning of year	12,039.4	1	Buildings and other structures	27.0	6
New capital expenditures	2,072.8	1	Machinery and equipment	71.5	3
Used capital expenditures	62.6	3			
Retirements	265.5	3	Depreciation charges during 1977:		
End of year	13,909.3	1	Total	789.6	1
Buildings and other structures:			Buildings and other structures	126.6	1
Beginning of year	2,508.7	1	Machinery and equipment	663.1	1
New capital expenditures	373.2	1			
Used capital expenditures	19.1	3	Supplemental labor costs:		
Retirements	20.6	7	Total	513.0	1
End of year	2,880.3	1	Legal costs	200.5	1
Machinery and equipment:			Voluntary costs	312.5	1
Beginning of year	9,530.7	1			
New capital expenditures	1,699.6	1	Purchased services:		
Automobiles, trucks, etc., for highway use ..	23.9	(NA)	Cost of purchased services for the repair of--		
Computers and peripheral data processing equip.	6.5	(NA)	Buildings and other structures	36.3	9
All other	1,511.0	(NA)	Response coverage ratio (percent)	60	(X)
New machinery and equipment, n.s.k.	158.2	(NA)	Machinery	279.3	7
Used capital expenditures	43.6	4	Response coverage ratio (percent)	60	(X)
Retirements	244.9	3	Cost of purchased communication services	(27.3)	(A)
End of year	11,029.0	1	Response coverage ratio (percent)	61	(X)

Note: Expenditures data, shown in tables 2a, 3a, and 4-8, are census universe figures and may differ from ASM sample estimates shown in this table. Table 3b figures represent best estimate of year-to-year change as measured by continuing ASM sample, but are subject to sampling errors. Hence, as estimates of level, they are not as reliable as universe figures.

(A) Indicates standard errors of 100 percent or more. Figures in parentheses have standard errors of 15 percent or more.
(NA) Not available. n.s.k. Not specified by kind. (X) Not applicable.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Parishes, and Selected Cities: 1977 and 1972

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area	E ¹	1977										1972		
		All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)						
Louisiana -----	-	4 276	1 236	194.8	2 682.7	145.2	292.0	1 798.9	9 418.3	20 266.6	29 493.3	2 072.8	179.4	4 273.4
STANDARD METROPOLITAN STATISTICAL AREAS														
Alexandria -----	-	148	36	4.5	53.5	3.1	6.6	31.7	153.9	208.5	358.1	20.1	4.5	91.9
Baton Rouge -----	-	407	127	24.1	418.9	15.5	32.2	245.1	2 075.5	4 544.9	6 557.2	704.0	22.1	776.4
Lafayette -----	E1	135	34	3.5	38.3	2.2	4.3	20.5	86.7	91.3	175.5	(D)	2.7	44.2
Lake Charles -----	-	120	47	10.8	199.0	7.8	14.9	127.6	931.0	3 077.4	4 009.0	240.6	9.3	346.5
Monroe -----	-	184	49	7.7	112.9	5.2	11.0	71.1	235.1	396.1	628.1	(D)	6.4	126.5
New Orleans -----	-	1 031	298	46.8	645.8	34.4	70.2	437.1	1 577.4	2 798.5	4 389.3	165.8	54.6	988.6
Shreveport -----	-	485	148	28.0	327.5	21.6	42.2	231.6	739.5	1 084.3	1 794.0	50.1	23.2	392.5
PARISHES														
Acadia -----	E1	62	21	1.6	12.7	1.3	2.5	8.3	38.9	107.3	144.0	3.1	1.4	16.9
Allen -----	-	24	7	1.1	12.0	0.9	2.0	9.5	24.9	52.6	77.5	(D)	1.9	31.0
Ascension -----	-	55	22	4.9	92.4	3.3	7.1	53.9	612.4	823.9	1 407.8	440.1	4.7	226.5
Assumption -----	-	15	8	0.5	5.9	0.5	1.1	5.1	12.8	39.8	54.3	2.1	0.7	12.2
Avoyelles -----	-	37	12	1.1	7.3	0.9	1.4	5.4	21.0	21.0	41.7	1.5	0.5	8.0
Beauregard -----	-	37	11	1.1	19.0	0.8	1.6	12.5	60.2	86.3	145.4	(D)	0.8	25.5
Bienville -----	E1	64	6	0.9	6.7	0.8	1.5	5.3	17.1	31.0	47.7	1.5	0.9	8.4
Bossier -----	-	84	27	2.4	22.6	2.0	3.7	16.7	50.8	92.2	140.4	3.5	1.9	31.4
Caddo -----	-	296	103	22.2	258.6	16.9	32.7	180.5	573.1	815.8	1 363.2	41.3	17.9	286.6
Calcasieu -----	-	120	47	10.8	199.0	7.8	14.9	127.6	931.0	3 077.4	4 009.0	240.6	9.3	346.5
Caldwell -----	E5	26	-	0.1	0.9	0.1	0.1	0.7	2.2	3.1	5.3	1.3	0.3	4.5
Cameron -----	E1	8	4	0.2	2.5	0.2	0.4	1.8	12.4	12.8	25.0	0.6	(D)	(D)
Catahoula -----	-	5	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Claiborne -----	-	69	6	0.8	7.8	0.7	1.4	6.3	41.2	50.3	91.0	2.4	0.7	10.6
Concordia -----	E1	16	7	0.4	2.7	0.3	0.6	2.1	4.5	5.9	10.5	0.3	0.4	2.6
De Soto -----	-	35	6	0.9	8.5	0.8	1.6	6.4	16.0	24.7	40.4	1.2	1.5	21.5
East Baton Rouge -----	-	291	87	17.8	310.3	11.2	22.9	178.5	1 396.5	3 616.6	4 980.1	253.6	16.8	534.2
East Carroll -----	-	10	3	0.2	1.8	0.2	0.3	1.2	3.0	4.6	7.8	0.1	0.2	1.8
East Feliciana -----	E1	16	5	0.2	1.4	0.1	0.3	1.1	3.2	3.7	6.8	(D)	0.2	2.9
Evangeline -----	-	19	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	8.8
Franklin -----	-	11	3	0.5	3.5	0.4	0.7	2.7	9.3	11.3	19.5	0.6	0.5	3.3
Grant -----	E1	28	4	0.2	2.3	0.2	0.3	1.6	9.8	15.3	20.4	(D)	0.1	1.5
Iberia -----	E1	78	36	3.9	41.6	3.2	6.2	30.0	89.9	101.8	187.8	9.4	2.0	36.1
Iberville -----	-	36	16	3.5	68.9	2.2	4.6	40.3	634.7	522.0	1 143.8	(D)	2.2	254.5
Jackson -----	-	41	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Jefferson -----	-	391	109	18.8	264.0	14.3	30.4	189.1	588.1	734.8	1 337.5	70.9	19.9	319.9
Jefferson Davis -----	-	31	6	1.0	11.0	0.9	1.8	8.8	24.0	24.0	47.8	1.4	0.7	7.5
Lafayette -----	E1	135	34	3.5	38.3	2.2	4.3	20.5	86.7	91.3	175.5	(D)	2.7	44.2
Lafourche -----	-	76	28	2.7	31.6	2.1	4.2	23.1	73.5	130.2	198.3	10.2	2.2	31.0
La Salle -----	-	36	6	1.2	11.1	1.1	2.2	9.3	52.0	36.7	88.2	1.5	1.2	24.4
Lincoln -----	-	54	17	1.9	19.5	1.5	3.0	14.1	58.6	84.8	143.0	4.6	1.2	20.0
Livingston -----	-	47	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	5.2
Madison -----	-	10	3	0.2	2.3	0.2	0.4	1.8	5.0	3.7	8.1	0.5	(D)	(D)
Morehouse -----	-	22	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Natchitoches -----	-	43	6	0.6	8.9	0.4	0.8	3.9	24.5	43.3	67.5	(D)	0.4	4.1
Orleans -----	-	540	161	21.4	274.7	14.8	29.2	164.5	612.5	916.4	1 529.0	59.0	28.7	543.0
Ouachita -----	-	184	49	7.7	112.9	5.2	11.0	71.1	235.1	396.1	628.1	(D)	6.4	126.5
Plaquemines -----	-	43	18	2.5	39.0	1.7	3.5	26.9	240.9	1 185.2	1 411.8	21.1	(D)	(D)
Pointe Coupee -----	E1	17	4	0.3	2.1	0.3	0.5	1.7	8.4	6.2	14.0	0.4	0.2	2.4
Rapides -----	-	120	32	4.3	51.2	2.9	6.3	30.0	144.0	193.2	337.7	(D)	4.3	90.4
Red River -----	-	14	4	0.7	5.7	0.7	1.2	4.5	18.3	23.3	42.9	0.7	(D)	(D)
Richland -----	E1	14	5	0.6	4.7	0.5	0.9	3.5	8.3	9.3	17.8	0.6	0.7	6.3
Sabine -----	E1	54	10	1.3	12.1	1.0	2.1	8.6	25.4	63.4	88.2	2.9	0.9	14.9
St. Bernard -----	-	34	11	4.7	87.0	3.7	7.7	67.6	336.5	1 094.0	1 428.2	34.7	4.2	104.3
St. Charles -----	-	24	14	4.5	94.3	3.0	6.5	56.8	790.9	1 917.4	2 690.4	263.0	3.0	225.8
St. Helena -----	E5	12	3	0.2	1.5	0.2	0.3	1.3	2.4	5.3	7.7	(D)	(D)	(D)
St. James -----	-	25	16	2.7	48.2	2.0	4.2	34.1	254.9	1 168.5	1 404.9	38.4	2.5	87.3
St. John the Baptist -----	-	17	10	2.6	44.6	1.9	2.6	33.3	112.0	971.3	1 083.0	37.6	(D)	(D)
St. Landry -----	E1	63	22	1.9	17.0	1.4	2.8	10.2	39.1	115.6	150.2	24.3	1.2	14.5
St. Martin -----	-	32	12	2.4	17.2	2.3	4.3	15.5	24.8	60.3	79.2	1.9	1.2	8.5
St. Mary -----	-	88	35	5.6	81.3	4.7	10.5	62.9	197.6	215.7	420.8	21.2	4.3	98.7
St. Tammany -----	E1	67	17	1.9	20.2	1.6	2.9	16.0	40.5	53.5	94.9	1.3	1.8	21.4
Tangipahoa -----	E1	118	30	2.7	22.6	2.2	4.1	15.9	51.2	102.3	150.6	5.5	2.6	39.5
Tensas -----	-	4	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Terrebonne -----	-	106	27	3.3	41.2	2.6	5.7	28.5	81.5	128.1	196.2	7.6	3.7	59.3
Union -----	E1	56	8	0.9	6.6	0.8	1.6	5.5	22.4	22.4	44.5	(D)	0.9	8.9
Vermilion -----	-	37	8	1.0	8.5	0.8	1.6	6.0	51.5	51.8	99.0	1.4	0.7	18.4
Vernon -----	E1	30	2	0.3	2.4	0.2	0.3	1.7	4.9	6.7	11.6	(D)	0.2	1.6
Washington -----	-	45	13	3.3	42.7	2.7	5.1	32.2	83.8	219.5	304.8	(D)	3.4	64.0
Webster -----	-	105	18	3.4	46.2	2.7	5.8	34.4	115.7	176.3	290.4	5.3	3.3	74.5
West Baton Rouge -----	-	14	10	0.5	6.8	0.4	0.9	4.8	36.0	80.3	114.8	8.4	0.3	10.5
West Carroll -----	E1	8	3	0.2	1.6	0.2	0.4	1.2	3.2	6.7	9.8	0.2	0.3	3.0
West Feliciana -----	-	10	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Winn -----	-	67	13	2.0	21.0	1.8	3.9	17.5	60.8	75.0	135.3	4.4	1.4	19.5
CITIES														
Alexandria -----	-	70	24	3.2	37.3	2.2	4.7	20.5	74.2	110.4	183.0	5.9	2.8	38.4
Amite City -----	E2	27	9	0.7	6.9	0.6	1.2	5.2	14.1	30.4	44.5	1.9	0.6	8.9
Bastrop -----	-	20	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Baton Rouge -----	-	212	63	11.4	184.4	7.2	14.4	108.9	552.3	973.8	1 508.0	102.0	13.0	394.6
Bogalusa -----	-	24	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Bossier City -----	-	51	17	1.6	14.7	1.3	2.3	10.5	34.5	60.8	93.3	2.2	1.4	21.9
Crowley -----	E1	37	14	1.1	7.9	0.9	1.7	5.4	22.5	45.1	67.6	1.9	1.0	11.1

See footnotes at end of table.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Parishes, and Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

[includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B.]														
Geographic area	1977											1972		
	E ¹	All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)						
CITIES—Con.														
Donaldsonville	-	9	4	0.9	17.7	0.5	1.3	10.6	183.3	196.5	371.2	(D)	(NA)	(NA)
Eunice	E1	17	7	0.5	3.6	0.4	0.8	2.2	5.1	6.8	11.4	(D)	0.6	4.9
Franklin	-	19	8	0.9	11.5	0.7	1.5	9.2	42.6	66.3	108.8	6.9	0.5	18.1
Franklinton	-	12	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Gonzales	-	18	6	0.5	4.8	0.5	0.8	3.5	5.9	15.9	21.8	0.9	(NA)	(NA)
Gramercy	-	6	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Gretna	-	32	6	0.9	12.5	0.4	0.8	4.4	8.6	96.0	121.7	5.1	1.2	20.3
Hammond	-	34	7	0.6	5.3	0.4	0.8	2.9	11.4	30.1	41.2	1.8	1.0	16.7
Haynesville	-	17	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Houma	-	81	23	3.0	38.8	2.4	5.3	26.5	77.6	122.9	187.1	(D)	2.0	35.0
Jeanerette	-	9	5	1.0	7.1	1.0	1.6	6.6	5.4	27.4	33.4	(D)	(NA)	(NA)
Jennings	-	18	6	1.0	10.1	0.8	1.7	8.3	22.1	20.8	42.7	1.3	(NA)	(NA)
Kaplan	-	9	4	0.5	3.3	0.4	0.8	2.3	15.1	21.0	32.4	0.4	(NA)	(NA)
Kenner	-	41	11	1.1	12.1	0.8	1.7	8.0	30.4	28.9	58.0	1.2	0.9	13.6
Lafayette	-	100	23	2.6	28.7	1.6	3.2	15.6	62.1	68.5	128.8	(D)	2.0	33.9
Lake Charles	-	64	23	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Mandeville	-	4	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Mansfield	-	24	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Marrero (U)	-	19	6	0.9	12.8	0.8	1.8	10.6	20.5	34.3	55.3	1.2	(D)	(D)
Metairie (U)	E1	128	16	1.7	19.9	1.1	2.0	10.7	49.0	67.3	115.4	2.3	1.5	23.1
Minden	-	44	10	1.0	10.4	0.7	1.5	6.0	21.2	35.4	56.8	1.7	(D)	(D)
Monroe	E1	74	20	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.1	25.7
Morgan City	-	41	14	3.1	47.3	2.7	6.2	36.9	121.1	99.8	228.4	7.8	2.0	50.1
New Iberia	E1	61	27	2.5	30.0	1.9	4.0	20.9	66.4	64.9	126.7	5.9	1.1	20.4
New Orleans	-	539	161	21.4	274.6	14.8	29.2	164.5	612.4	916.3	1 528.7	59.0	(NA)	(NA)
Oakdale	-	12	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Opelousas	E1	21	7	0.9	9.5	0.6	1.2	5.4	24.4	85.5	105.4	(D)	0.5	8.2
Pineville	-	15	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Plaquemine	-	22	8	0.9	14.2	0.6	1.3	9.2	108.3	161.6	269.9	(D)	(D)	(D)
Ponchatoula	-	17	6	0.5	4.0	0.4	0.7	2.6	11.0	14.7	24.9	0.4	(NA)	(NA)
Ruston	-	25	13	1.5	16.0	1.2	2.4	11.4	43.5	38.4	81.6	4.0	(NA)	(NA)
St. Martinville	-	15	6	2.0	14.0	1.9	3.6	13.1	18.0	42.8	59.6	(D)	0.7	4.6
Shreveport	-	256	89	19.1	223.6	14.3	27.4	154.2	488.1	714.4	1 182.5	35.8	15.1	239.4
Slidell	E4	30	10	0.8	7.9	0.7	1.2	6.2	12.1	13.9	26.0	0.6	0.7	6.8
Springhill	-	36	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Thibodaux	-	27	14	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.7	11.2
Vivian	-	5	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.6	3.9
West Monroe	-	77	17	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.1	67.8
Winnfield	-	49	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Winnsboro	E2	8	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹ Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
² Including central administrative offices and auxiliaries (for definition, see appendix B).
³ Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	All industries -----	-	4 276	1 236	194.8	2 682.7	145.2	292.0	1 798.9	9 418.3	20 266.6	29 493.3	2 072.8	179.4	4 273.4

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
20	Food and kindred products -----	-	585	258	25.8	270.1	16.9	33.7	150.1	777.5	2 404.5	3 147.8	65.7	28.1	579.4
201	Meat products -----	E1	89	19	2.7	24.5	2.2	4.2	17.2	49.4	185.6	232.3	4.2	3.4	44.2
2011	Meat packing plants -----	E2	57	10	1.0	11.1	0.8	1.6	8.2	21.8	79.4	100.7	2.6	1.0	11.4
2013	Sausages and other prepared meats -----	E1	24	5	0.6	6.1	0.4	0.7	3.4	10.8	36.2	46.8	0.8	0.6	10.6
2016	Poultry dressing plants -----	-	8	4	1.1	7.3	0.9	1.8	5.6	16.8	70.0	84.7	0.9	1.8	22.2
202	Dairy products -----	E1	48	30	2.5	28.8	0.9	2.0	9.2	67.2	239.1	305.9	4.3	2.9	58.8
2024	Ice cream and frozen desserts -----	E1	10	4	0.3	3.2	0.1	0.2	1.1	5.4	11.1	16.4	0.5	BB	(D)
2026	Fluid milk -----	E1	36	26	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.5	54.0
203	Preserved fruits and vegetables -----	-	25	13	1.7	10.8	1.4	2.3	7.7	30.2	49.6	79.9	2.9	2.5	31.4
2033	Canned fruits and vegetables -----	-	9	8	1.2	6.7	1.1	1.6	5.4	9.2	27.6	36.8	(D)	1.5	14.9
2035	Pickles, sauces, and salad dressings -----	-	6	3	0.4	3.3	0.3	0.5	1.7	19.5	17.5	37.0	(D)	CC	(D)
204	Grain mill products -----	-	52	26	1.6	15.9	1.3	2.6	10.3	85.0	249.1	327.8	3.8	1.5	37.2
2044	Rice milling -----	-	19	12	0.9	8.7	0.8	1.6	5.8	60.0	128.8	183.1	2.0	CC	(D)
2048	Prepared feeds, n.e.c. -----	-	25	10	0.4	4.5	0.3	0.6	2.6	16.1	88.7	104.1	(D)	0.6	11.1
205	Bakery products -----	-	44	19	3.4	40.9	1.6	3.3	13.1	86.9	62.5	149.4	5.2	3.3	50.0
2051	Bread, cake, and related products -----	-	43	18	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
206	Sugar and confectionery products -----	-	57	42	4.9	61.7	4.0	9.1	48.7	158.0	615.6	739.9	17.5	5.1	114.8
2061	Raw cane sugar -----	-	40	33	2.4	23.7	2.1	4.5	19.1	55.0	146.3	180.1	10.1	EE	(D)
2062	Cane sugar refining -----	-	7	6	2.3	36.1	1.8	4.2	28.4	97.3	462.9	548.0	7.3	FF	(D)
2065	Confectionery products -----	E3	10	3	0.3	2.0	0.2	0.4	1.2	5.7	6.4	11.8	0.1	0.2	2.5
207	Fats and oils -----	-	27	17	1.2	13.0	0.9	1.9	8.8	38.2	266.2	312.0	6.3	1.1	22.7
2074	Cottonseed oil mills -----	-	6	4	0.2	1.7	0.2	0.4	1.3	6.8	19.8	26.5	0.1	AA	(D)
2077	Animal and marine fats and oils -----	-	13	9	0.5	5.5	0.5	1.0	4.4	27.1	25.6	52.0	(D)	0.5	12.7
2079	Shortening and cooking oils -----	-	3	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
208	Beverages -----	-	58	41	4.0	44.2	1.5	3.1	14.0	143.5	210.2	354.6	10.1	4.5	113.9
2082	Malt beverages -----	-	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2086	Bottled and canned soft drinks -----	-	46	35	3.4	37.5	1.2	2.3	10.6	88.8	146.0	235.3	9.3	3.1	47.7
209	Miscellaneous foods and kindred products -----	-	185	51	3.8	30.2	3.1	5.2	21.0	119.1	526.5	646.0	11.3	3.7	106.4
2091	Canned and cured seafoods -----	E1	23	10	0.5	3.8	0.4	0.8	2.9	11.0	44.8	55.8	1.1	CC	(D)
2092	Fresh or frozen packaged fish -----	-	76	21	1.5	8.2	1.4	1.9	6.3	24.7	67.9	92.8	2.6	CC	(D)
2095	Roasted coffee -----	-	10	6	0.7	8.5	0.5	1.1	6.1	57.2	384.4	442.1	5.1	CC	(D)
2097	Manufactured ice -----	E1	32	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2098	Macaroni and spaghetti -----	-	5	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2099	Food preparations, n.e.c. -----	E2	39	9	0.6	5.5	0.4	0.8	3.4	17.1	21.5	38.4	1.6	0.7	16.8
22	Textile mill products --	-	14	6	2.5	17.3	2.3	4.3	15.3	23.1	48.4	69.9	(D)	1.3	14.1
225	Knitting mills -----	-	4	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2252	Hosiery, n.e.c. -----	-	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2254	Knit underwear mills -----	-	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
229	Miscellaneous textile goods -----	-	6	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2298	Cordage and twine -----	-	5	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
23	Apparel and other textile products -----	-	131	70	11.1	71.1	9.7	16.7	54.0	123.8	120.5	239.5	(D)	9.0	67.3
2311	Men's and boys' suits and coats -----	-	4	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.4	13.3
232	Men's and boys' furnishings -----	-	43	39	7.2	43.8	6.3	11.2	33.7	77.5	67.7	140.2	(D)	5.0	38.4
2321	Men's and boys' shirts and nightwear -----	-	13	13	1.7	8.5	1.3	2.5	6.2	16.6	14.7	31.1	(D)	0.9	4.3
2322	Men's and boys' underwear -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2323	Men's and boys' neckwear -----	-	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2327	Men's and boys' separate trousers -----	-	13	11	2.7	16.2	2.4	4.5	13.9	25.8	16.3	41.2	(D)	EE	(D)
2328	Men's and boys' work clothing -----	-	11	11	1.4	7.7	1.3	2.1	6.3	16.8	16.4	30.1	(D)	1.4	8.6
2329	Men's and boys' clothing, n.e.c. -----	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
233	Women's and misses' outerwear -----	E1	18	8	0.7	4.1	0.7	1.2	3.7	11.1	3.3	14.5	(D)	0.5	2.0
2331	Women's and misses' blouses and waists -----	-	3	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2335	Women's and misses' dresses -----	E5	8	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2339	Women's and misses' outerwear, n.e.c. -----	E2	7	2	0.3	1.4	0.2	0.4	1.3	1.5	0.3	2.0	(D)	BB	(D)
234	Women's and children's undergarments -----	E3	3	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2341	Women's and children's underwear -----	E3	3	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

Includes industry groups and industries with 150 employees or more. For explanation of terms, see Appendix B)															
SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
23	Apparel and other textile products—Con.														
236	Children's outerwear -----	E9	6	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2369	Children's outerwear, n.e.c. --	E0	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
238	Miscellaneous apparel and accessories -----	-	8	3	0.6	4.3	0.5	1.0	3.4	6.8	9.0	15.7	(D)	0.3	1.8
2381	Fabric dress and work gloves -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2385	Waterproof outer garments --	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
239	Miscellaneous fabricated textile products -----	E1	48	12	0.9	6.6	0.7	1.2	4.7	10.6	22.2	32.8	(D)	1.2	6.9
2391	Curtains and draperies -----	E1	13	2	0.2	1.1	0.2	0.1	0.8	1.5	3.3	4.9	(D)	(NA)	(NA)
2393	Textile bags -----	-	9	6	0.4	3.1	0.4	0.7	2.3	4.6	10.0	14.8	(D)	0.5	3.0
24	Lumber and wood products -----	E1	992	140	14.4	136.0	12.8	25.1	107.0	324.4	503.2	825.8	35.7	14.7	208.9
2411	Logging camps and logging contractors -----	E3	670	14	2.2	22.1	1.9	3.1	17.5	50.8	106.1	156.8	11.3	2.4	33.8
242	Sawmills and planing mills ----	-	155	59	5.7	51.6	5.1	10.5	42.2	111.4	154.2	265.6	13.1	5.8	71.5
2421	Sawmills and planing mills, general -----	-	151	57	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	5.2	65.7
2426	Hardwood dimension and flooring -----	-	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
243	Millwork, plywood, and structural members -----	-	90	38	4.6	44.5	3.9	8.2	35.4	120.9	175.5	296.3	8.9	3.4	65.6
2431	Millwork -----	E2	40	12	0.7	6.3	0.6	1.1	4.2	10.7	18.3	28.9	0.5	0.6	8.1
2434	Wood kitchen cabinets -----	E3	27	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	1.9
2435	Hardwood veneer and plywood -----	-	8	6	0.3	2.8	0.3	0.5	1.7	4.1	29.0	33.3	0.2	AA	(D)
2436	Softwood veneer and plywood -----	-	12	12	3.0	31.4	2.7	6.0	27.0	100.1	121.7	221.7	7.4	2.2	52.6
244	Wood containers -----	E1	20	4	0.3	1.9	0.2	0.5	1.5	3.7	5.0	8.7	0.2	0.6	4.6
2448	Wood pallets and skids -----	E1	15	4	0.3	1.7	0.2	0.4	1.3	3.3	4.7	8.0	(D)	0.3	2.3
245	Wood buildings and mobile homes -----	-	13	8	0.6	5.2	0.5	0.9	3.4	11.3	20.2	31.4	0.3	1.2	12.5
2451	Mobile homes -----	-	8	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
249	Miscellaneous wood products --	-	44	17	1.1	10.8	0.9	1.8	7.0	26.2	42.1	67.0	1.9	1.3	20.9
2491	Wood preserving -----	-	19	10	0.6	5.2	0.5	0.9	2.9	10.9	23.2	32.4	1.1	CC	(D)
2492	Particleboard -----	-	3	3	0.3	3.9	0.3	0.6	2.8	12.3	13.7	26.2	(D)	BB	(D)
2499	Wood products, n.e.c. -----	E2	22	4	0.2	1.7	0.2	0.3	1.3	3.0	5.2	8.3	(D)	0.4	5.6
25	Furniture and fixtures --	E1	77	13	1.2	10.2	1.0	1.9	7.7	22.3	19.4	41.5	(D)	1.5	15.5
251	Household furniture -----	E1	51	11	1.0	8.1	0.8	1.5	6.3	17.0	15.5	32.4	(D)	0.9	10.6
2511	Wood household furniture ---	E6	18	2	0.2	1.2	0.1	0.3	0.9	2.6	2.5	5.1	(D)	0.2	1.7
2512	Upholstered household furniture -----	-	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	5.4
2514	Metal household furniture ---	-	4	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2515	Mattresses and bedsprings --	E1	21	3	0.2	1.6	0.1	0.2	0.9	3.5	4.2	7.6	(D)	BB	(D)
254	Partitions and fixtures -----	-	13	1	0.2	1.5	0.1	0.3	1.0	4.1	3.2	7.1	(D)	0.2	1.7
2541	Wood partitions and fixtures --	-	13	1	0.2	1.5	0.1	0.3	1.0	4.1	3.2	7.1	(D)	0.2	1.7
26	Paper and allied products -----	-	67	53	15.0	245.8	12.0	25.0	185.5	692.9	878.1	1 573.2	234.1	15.5	393.3
2611	Pulp mills -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2621	Paper mills, except building paper -----	-	6	6	3.6	62.3	2.9	6.0	48.0	232.0	219.0	450.9	(D)	FF	(D)
2631	Paperboard mills -----	-	7	7	5.2	96.8	4.2	8.9	74.3	288.5	334.6	624.3	133.1	FF	(D)
264	Miscellaneous converted paper products -----	-	29	20	2.7	36.6	2.1	4.3	26.1	80.3	136.9	218.3	2.6	3.1	51.5
2641	Paper coating and glazing ---	-	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2643	Bags, except textile bags -----	-	13	10	1.8	27.4	1.5	3.0	20.6	58.3	99.3	159.0	1.1	2.6	42.9
2645	Die-cut paper and board -----	-	4	4	0.2	2.5	0.2	0.4	1.4	4.9	8.5	13.3	0.4	(NA)	(NA)
2649	Converted paper products, n.e.c. -----	-	5	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
265	Paperboard containers and boxes -----	-	21	16	2.2	29.2	1.7	3.5	20.6	62.3	116.1	177.7	(D)	2.1	39.6
2651	Folding paperboard boxes ---	-	5	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2653	Corrugated and solid fiber boxes -----	-	8	8	1.2	17.0	0.9	1.9	11.9	32.0	58.7	88.9	(D)	1.5	25.6
2654	Sanitary food containers ----	-	3	3	0.3	3.5	0.2	0.5	2.4	10.3	14.9	25.1	0.1	AA	(D)
2661	Building paper and board mills -	-	3	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
27	Printing and publishing -----	E1	546	69	7.7	83.9	4.7	8.4	46.9	193.5	101.0	294.6	9.8	7.4	121.2
2711	Newspapers -----	-	152	28	4.2	45.7	2.0	3.5	20.9	117.6	51.6	169.4	4.6	4.2	73.
273	Books -----	E1	19	2	0.2	1.9	0.1	0.2	1.3	5.4	1.6	7.0	0.2	(NA)	(NA)
2732	Book printing -----	E1	13	2	0.2	1.8	0.1	0.2	1.3	5.0	1.4	6.4	0.2	(NA)	(NA)
275	Commercial printing -----	E2	295	25	2.3	24.9	1.9	3.3	17.7	44.1	35.6	79.5	4.2	2.4	33.7
2751	Commercial printing, letterpress -----	E3	174	9	0.9	9.5	0.8	1.3	6.4	17.3	14.4	31.6	1.7	1.3	17.5
2752	Commercial printing, lithographic -----	E1	112	15	1.3	14.7	1.0	1.9	10.7	25.9	20.3	46.2	2.5	EE	(D)
2761	Manifold business forms -----	E1	11	8	0.5	5.3	0.4	0.7	3.5	12.5	7.7	20.3	0.4	AA	(D)
278	Blankbooks and bookbinding --	-	5	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	3.3
2782	Blankbooks and looseleaf binders -----	-	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
28	Chemicals and allied products -----	-	236	114	30.2	590.2	19.7	42.6	363.3	3 277.8	4 804.4	8 000.9	1 418.1	24.4	1 349.6
281	Industrial inorganic chemicals --	-	43	21	4.5	83.1	3.0	6.0	54.7	368.7	504.1	865.6	115.4	4.7	202.4
2812	Alkalies and chlorine -----	-	4	4	1.4	26.9	0.8	1.6	15.1	179.2	172.1	348.7	(D)	EE	(D)
2813	Industrial gases -----	-	19	5	0.3	4.8	0.2	0.4	2.6	54.0	26.0	79.8	(D)	0.3	20.0
2819	Industrial inorganic chemicals, n.e.c. -----	-	20	12	2.8	51.3	2.0	4.0	37.0	135.5	306.0	437.1	31.7	FF	(D)
282	Plastics materials and synthetics -----	-	17	14	3.9	75.6	2.6	5.3	47.9	385.7	646.3	1 029.5	(D)	3.7	184.5
2821	Plastics materials and resins --	-	13	10	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.8	109.7
2822	Synthetic rubber -----	-	4	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.9	74.8
283	Drugs-----	-	13	3	0.3	4.0	0.1	0.3	1.2	14.0	4.0	17.7	0.7	0.2	2.9
2834	Pharmaceutical preparations --	-	7	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
284	Soaps, cleaners, and toilet goods -----	-	30	6	0.4	5.9	0.3	0.5	3.2	46.7	48.4	95.3	1.3	BB	(D)
2841	Soap and other detergents --	-	9	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2842	Polishes and sanitation goods -----	E3	14	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2851	Paints and allied products -----	-	10	4	0.2	2.4	0.1	0.2	0.8	7.5	9.9	17.3	0.2	AA	(D)
286	Industrial organic chemicals ---	-	40	34	16.0	327.4	10.3	22.6	197.0	1 689.0	2 761.2	4 400.0	947.7	FF	(D)
2865	Cyclic crudes and intermediates -----	-	3	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2869	Industrial organic chemicals, n.e.c. -----	-	32	28	15.6	319.1	10.0	21.9	192.5	1 643.9	2 663.1	4 259.0	928.8	FF	(D)
287	Agricultural chemicals -----	-	35	16	3.1	64.2	2.0	4.5	40.3	636.7	635.8	1 253.7	274.1	2.5	225.7
2873	Nitrogenous fertilizers -----	-	7	6	1.5	33.7	1.0	2.3	20.5	317.5	222.5	522.4	250.4	1.4	90.8
2874	Phosphatic fertilizers -----	-	3	3	0.9	18.9	0.6	1.4	12.7	143.2	260.4	399.9	(D)	CC	(D)
2879	Agricultural chemicals, n.e.c. --	-	13	5	0.5	10.5	0.3	0.7	6.5	170.0	142.0	315.1	(D)	BB	(D)
289	Miscellaneous chemical products -----	-	48	16	1.8	27.6	1.2	3.2	18.0	129.6	194.9	321.9	(D)	1.6	57.5
2895	Carbon black -----	-	8	8	0.9	15.2	0.8	1.8	12.5	68.3	100.4	166.6	8.1	1.1	44.9
2899	Chemical preparations, n.e.c. -----	-	28	7	0.7	10.4	0.4	1.2	4.5	55.0	73.6	128.3	5.0	0.4	6.9
29	Petroleum and coal products -----	-	57	35	10.8	217.4	7.3	13.1	131.1	1 857.1	9 324.0	11 134.3	136.1	9.5	442.6
2911	Petroleum refining -----	-	26	24	9.5	198.0	6.4	10.9	118.4	1 745.1	9 129.6	10 829.6	131.3	8.5	408.7
295	Paving and roofing materials ---	E1	16	6	0.7	9.6	0.5	1.3	6.7	28.9	46.8	75.5	(D)	0.5	15.0
2951	Paving mixtures and blocks ---	E1	10	3	0.2	2.5	0.2	0.4	1.9	4.6	11.0	15.5	1.2	(NA)	(NA)
2952	Asphalt felts and coatings ---	E1	6	3	0.5	7.1	0.4	0.9	4.8	24.3	35.9	60.1	(D)	0.4	12.8
299	Miscellaneous petroleum and coal products -----	-	15	5	0.6	9.8	0.4	0.9	6.1	83.1	147.6	229.2	2.7	0.4	18.9
2992	Lubricating oils and greases --	-	13	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
30	Rubber and miscellaneous plastics products -----	-	62	15	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.7	11.3
3079	Miscellaneous plastics products -----	E1	54	13	0.9	8.9	0.8	1.4	6.5	22.2	25.0	46.6	8.5	CC	(D)
31	Leather and leather products -----	-	6	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3151	Leather gloves and mittens-----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B.															
SIC code	Industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
32	Stone, clay, and glass products -----	-	237	77	7.8	95.8	6.3	12.6	70.5	246.7	264.2	510.0	26.0	6.7	127.6
322	Glass and glassware, pressed or blown -----	-	6	4	1.8	22.8	1.5	3.1	18.9	48.7	33.9	82.0	(D)	CC	(D)
3221	Glass containers -----	-	3	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3229	Pressed and blown glass, n.e.c. -----	-	3	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3241	Cement, hydraulic -----	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.7	15.7
325	Structural clay products -----	-	9	6	0.3	2.2	0.3	0.5	1.7	5.7	3.0	8.6	0.3	0.3	3.5
3251	Brick and structural clay tile -	-	9	6	0.3	2.2	0.3	0.5	1.7	5.7	3.0	8.6	0.3	BB	(D)
326	Pottery and related products ---	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3261	Vitreous plumbing fixtures ---	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
327	Concrete, gypsum, and plaster products -----	E1	166	51	3.9	44.9	3.0	5.9	29.4	104.3	146.3	250.7	12.0	3.7	65.5
3272	Concrete products, n.e.c. ---	-	53	13	1.4	14.3	1.2	2.4	10.5	25.4	32.8	58.5	(D)	1.3	18.9
3273	Ready-mixed concrete -----	E1	99	35	2.3	27.1	1.6	3.1	16.4	67.3	97.0	164.2	8.4	2.0	34.2
329	Miscellaneous nonmetallic mineral products -----	-	29	11	1.0	14.0	0.8	1.8	10.9	61.7	47.8	108.9	2.2	0.7	14.6
3292	Asbestos products -----	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3295	Minerals, ground or treated --	-	9	6	0.5	6.7	0.4	0.8	5.2	43.1	30.8	73.6	1.2	0.2	5.0
3299	Nonmetallic mineral products, n.e.c. -----	E1	14	1	0.2	1.7	0.1	0.3	1.4	7.6	3.2	10.7	0.7	(NA)	(NA)
33	Primary metal industries -----	-	42	24	6.7	104.0	5.3	10.8	79.0	319.4	380.8	698.2	(D)	7.3	145.0
331	Blast furnace and basic steel products -----	-	10	7	0.5	6.6	0.4	0.8	4.6	30.8	61.6	91.1	0.8	BB	(D)
3317	Steel pipe and tubes -----	-	3	2	0.3	4.1	0.2	0.4	2.5	8.0	30.5	39.1	(D)	BB	(D)
332	Iron and steel foundries -----	-	11	7	1.6	18.0	1.3	2.6	13.7	33.4	24.2	57.2	(D)	1.4	19.0
3321	Gray iron foundries -----	E2	6	3	0.2	2.6	0.2	0.3	2.2	5.8	3.8	9.5	(D)	(NA)	(NA)
3325	Steel foundries, n.e.c. -----	-	5	4	1.4	15.5	1.1	2.3	11.5	27.6	20.4	47.7	(D)	CC	(D)
333	Primary nonferrous metals ----	-	3	3	3.7	70.3	2.9	6.0	53.9	215.2	249.0	464.6	(D)	FF	(D)
3334	Primary aluminum -----	-	2	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3339	Primary nonferrous metals, n.e.c. -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3341	Secondary nonferrous metals --	-	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
335	Nonferrous rolling and drawing -	-	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3357	Nonferrous wire drawing and insulating -----	-	3	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
34	Fabricated metal products -----	-	282	96	13.5	176.2	10.2	21.7	121.9	363.0	361.3	721.9	22.5	12.5	210.9
341	Metal cans and shipping containers -----	-	6	6	0.9	17.0	0.7	1.6	12.7	39.5	54.4	92.5	1.6	EE	(D)
3411	Metal cans -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3412	Metal barrels, drums, and pails -----	-	5	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
342	Cutlery, hand tools, and hardware -----	-	5	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3425	Hand saws and saw blades -	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
344	Fabricated structural metal products -----	-	177	59	8.7	110.9	6.8	14.4	79.0	230.6	238.8	468.8	13.6	6.5	111.5
3441	Fabricated structural metal --	-	58	28	4.4	61.2	3.6	8.2	46.1	140.4	131.4	272.1	10.5	2.9	59.5
3442	Metal doors, sash, and trim --	E4	16	3	0.3	2.7	0.2	0.4	1.7	5.2	5.8	10.7	0.3	0.4	6.0
3443	Fabricated plate work (boiler shops) -----	-	17	10	3.0	33.9	2.2	4.3	23.3	58.1	57.2	114.3	1.1	EE	(D)
3444	Sheet metal work -----	E2	41	9	0.5	6.7	0.4	0.8	4.1	14.0	20.6	34.0	1.0	0.6	10.8
3446	Architectural metal work -----	E2	25	2	0.2	1.8	0.1	0.2	1.0	3.6	2.1	5.8	0.1	(NA)	(NA)
3448	Prefabricated metal buildings -----	E1	12	4	0.2	2.9	0.2	0.4	2.1	6.0	9.9	15.8	0.4	BB	(D)
347	Metal services, n.e.c. -----	E1	29	8	0.5	5.6	0.4	0.9	4.2	12.9	7.7	20.5	0.9	CC	(D)
3479	Metal coating and allied services -----	-	15	6	0.4	4.8	0.3	0.7	3.6	11.0	6.9	17.7	(D)	CC	(D)
348	Ordnance and accessories, n.e.c. -----	-	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3483	Ammunition, except for small arms, n.e.c. -----	-	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
349	Miscellaneous fabricated metal products -----	-	52	18	2.3	28.9	1.5	3.4	18.2	52.8	49.5	102.1	6.0	1.2	19.3
3494	Valves and pipe fittings -----	-	10	6	1.5	20.1	1.0	2.3	12.2	37.2	30.1	68.0	4.8	CC	(D)
3498	Fabricated pipe and fittings --	-	8	3	0.3	4.1	0.2	0.4	3.3	5.7	6.9	12.7	0.5	(NA)	(NA)
3499	Fabricated metal products, n.e.c. -----	E3	23	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
35	Machinery, except electrical -----	E1	396	102	9.3	121.2	7.0	14.0	78.4	247.1	189.4	432.2	36.0	7.0	123.9
352	Farm and garden machinery ---	-	21	6	0.5	6.5	0.3	0.7	3.7	12.1	20.6	36.3	0.8	0.6	8.9
3523	Farm machinery and equipment -----	-	19	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
353	Construction and related machinery -----	-	57	29	2.4	34.0	1.8	3.8	22.4	84.2	45.7	123.4	24.7	2.4	45.6
3531	Construction machinery -----	E1	13	5	0.4	5.3	0.3	0.6	3.8	11.2	7.4	18.0	0.7	0.6	13.6
3533	Oil field machinery -----	-	37	20	1.7	25.4	1.3	3.0	17.2	66.8	33.2	94.6	23.8	1.7	29.3
3535	Conveyors and conveying equipment -----	-	4	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
354	Metalworking machinery -----	-	15	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3546	Power driven hand tools ----	-	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
355	Special industry machinery ----	E3	19	9	0.9	11.0	0.7	1.3	7.0	15.3	17.4	32.5	1.2	0.9	17.2
3551	Food products machinery ----	E2	5	4	0.6	6.9	0.4	0.9	4.6	6.3	11.2	17.5	0.9	AA	(D)
3559	Special industry machinery, n.e.c. -----	E6	9	4	0.3	3.1	0.2	0.3	1.8	6.2	4.9	10.9	0.3	AA	(D)
356	General industrial machinery ---	-	32	10	0.9	10.4	0.6	0.9	5.8	24.0	25.9	53.0	1.3	0.5	7.7
3561	Pumps and pumping equipment -----	-	6	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3569	General industrial machinery, n.e.c. -----	E1	14	6	0.3	2.9	0.2	0.3	1.6	4.5	6.8	12.3	0.2	(NA)	(NA)
357	Office and computing machines -----	E1	5	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3573	Electronic computing equipment -----	E1	3	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
358	Refrigeration and service machinery -----	-	17	4	0.9	9.9	0.6	1.3	6.2	21.8	19.7	40.4	1.0	0.6	10.4
3582	Commercial laundry equipment -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3589	Service industry machinery, n.e.c. -----	-	11	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
359	Miscellaneous machinery, except electrical -----	E1	225	42	2.5	34.9	1.9	4.0	24.4	63.3	29.9	91.6	4.9	1.9	32.8
3599	Machinery, except electrical, n.e.c. -----	E1	224	41	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
36	Electric and electronic equipment -	-	70	20	10.2	135.7	8.7	16.5	107.5	316.5	380.3	669.3	(D)	7.0	145.0
361	Electric distributing equipment -	-	10	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3612	Transformers -----	-	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
362	Electrical industrial apparatus --	-	12	4	0.6	8.8	0.4	0.6	4.0	16.5	19.5	35.0	1.2	(NA)	(NA)
3621	Motors and generators -----	-	4	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3622	Industrial controls -----	-	7	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3629	Electrical industrial apparatus, n.e.c. -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
363	Household appliances -----	-	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3634	Electric housewares and fans -----	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
364	Electric lighting and wiring equipment -----	-	8	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3647	Vehicular lighting equipment -	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
366	Communication equipment -----	-	6	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3661	Telephone and telegraph apparatus -----	-	1	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
369	Miscellaneous electrical equipment and supplies -----	-	13	4	0.7	8.7	0.5	1.1	6.9	23.8	22.3	45.0	0.3	BB	(D)
3691	Storage batteries -----	-	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
37	Transportation equipment -----	-	224	87	22.1	324.6	18.7	40.3	256.9	551.5	435.1	983.5	27.2	21.8	288.1
371	Motor vehicles and equipment -	-	31	8	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.6	9.0
3714	Motor vehicle parts and accessories -----	E1	14	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3715	Truck trailers -----	-	8	4	0.6	5.8	0.5	0.9	3.7	11.0	16.9	27.6	0.4	BB	(D)
373	Ship and boat building and repairing -----	-	179	76	19.0	276.2	16.0	34.8	222.4	463.4	379.6	841.7	(D)	18.6	227.8
3731	Ship building and repairing --	-	85	56	17.1	255.0	14.5	31.7	207.1	425.6	349.5	775.1	23.4	FF	(D)
3732	Boat building and repairing --	E1	94	20	1.9	21.1	1.6	3.1	15.3	37.9	30.0	66.6	(D)	EE	(D)
376	Guided missiles, space vehicles, parts -----	-	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3769	Space vehicle equipment, n.e.c. -----	-	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
379	Miscellaneous transportation equipment -----	-	9	2	0.3	6.3	0.1	0.3	1.8	7.1	6.2	13.2	(D)	AA	(D)
3795	Tanks and tank components -	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B.

SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
38	Instruments and related products -----	E2	35	6	0.7	8.5	0.5	0.9	4.4	14.2	9.9	24.4	(D)	0.4	8.1
382	Measuring and controlling devices -----	-	6	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3823	Process control instruments -	-	4	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
384	Medical instruments and supplies -----	E4	13	1	0.2	2.1	0.1	0.2	1.1	4.0	2.7	6.7	(D)	(NA)	(NA)
39	Miscellaneous manufacturing industries -----	E2	129	18	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.5	18.6
394	Toys and sporting goods -----	-	20	5	0.5	3.6	0.4	0.8	2.6	9.0	10.7	18.4	(D)	0.6	7.5
3949	Sporting and athletic goods, n.e.c. -----	-	20	5	0.5	3.6	0.4	0.8	2.6	9.0	10.7	18.4	(D)	CC	(D)
399	Miscellaneous manufactures ---	E2	85	12	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3991	Brooms and brushes -----	-	9	2	0.3	2.1	0.2	0.4	1.6	7.1	4.7	11.6	(D)	(NA)	(NA)
3993	Signs and advertising displays -----	E4	33	4	0.3	2.8	0.2	0.4	1.8	5.1	2.6	7.6	(D)	0.3	4.0
3999	Manufacturing industries, n.e.c. -----	E4	36	5	0.4	4.4	0.3	0.6	2.7	11.4	6.8	17.3	0.4	BB	(D)
-	Administrative and auxiliary -----	-	87	32	2.8	47.7	-	-	-	-	-	-	-	(NA)	(NA)

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Statistics for some industry groups and industries are withheld to avoid disclosing figures for individual companies. However, for such industry groups and industries with 150 employees or more, number of establishments is shown and employment size range is indicated by one of the following symbols: AA—150 to 249 employees; BB—250 to 499 employees; CC—500 to 999 employees; EE—1,000 to 2,499 employees; FF—2,500 employees or more. Statistics for industry groups shown include data for all component industries, regardless of whether data are shown for individual industries in the group.

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SMSA's, see appendix A. For explanation of terms, see appendix B.]

SIC code	SMSA and industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Alexandria SMSA -----	-	148	36	4.5	53.5	3.1	6.6	31.7	153.9	208.5	358.1	20.1	4.5	91.9
20	Food and kindred products --	E1	15	11	1.1	10.1	0.8	1.7	4.5	23.9	62.5	85.0	1.4	1.2	16.6
24	Lumber and wood products --	E1	58	6	0.6	5.4	0.5	1.1	4.2	10.7	13.6	24.5	1.5	1.0	9.4
25	Furniture and fixtures -----	E1	8	2	0.3	2.3	0.2	0.5	1.8	4.4	3.4	7.8	(D)	0.3	3.1
251	Household furniture -----	E1	8	2	0.3	2.3	0.2	0.5	1.8	4.4	3.4	7.8	(D)	(NA)	(NA)
	Baton Rouge SMSA -----	-	407	127	24.1	418.9	15.5	32.2	245.1	2 075.5	4 544.9	6 557.2	704.0	22.1	776.4
20	Food and kindred products --	-	38	22	2.0	23.6	0.9	2.0	8.8	53.7	139.2	189.0	6.9	1.7	29.8
208	Beverages -----	-	4	3	0.4	3.7	0.1	0.2	0.9	9.1	15.2	24.2	(D)	(NA)	(NA)
2086	Bottled and canned soft drinks -----	-	4	3	0.4	3.7	0.1	0.2	0.9	9.1	15.2	24.2	(D)	(NA)	(NA)
23	Apparel and other textile products -----	E1	9	2	0.3	1.7	0.3	0.4	1.3	2.1	2.4	4.6	(Z)	(NA)	(NA)
275	Commercial printing -----	E4	35	3	0.3	3.1	0.2	0.4	2.3	5.6	3.0	8.6	(D)	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Baton Rouge SMSA—Con.														
28	Chemicals and allied products -----	-	45	32	11.8	238.7	7.5	16.3	144.8	1 166.7	1 891.9	3 017.1	584.0	10.2	486.4
281	Industrial inorganic chemicals -----	-	10	5	2.2	44.4	1.4	2.8	27.3	167.8	262.4	425.1	(D)	3.0	119.3
282	Plastics materials and synthetics -----	-	6	6	1.7	34.8	1.1	2.2	20.7	179.6	296.4	469.3	(D)	1.8	68.7
286	Industrial organic chemicals -----	-	14	12	6.6	132.2	4.2	9.4	81.0	512.4	1 034.7	1 526.8	(D)	4.9	240.4
287	Agricultural chemicals -----	-	5	5	1.1	25.1	0.7	1.7	14.6	296.1	285.0	571.9	(D)	(NA)	(NA)
34	Fabricated metal products ---	-	43	13	1.6	21.7	1.3	2.7	15.7	44.0	52.5	89.6	(D)	1.1	18.1
344	Fabricated structural metal products -----	-	34	9	1.3	18.1	1.1	2.3	13.2	38.3	44.0	75.2	1.5	(NA)	(NA)
3441	Fabricated structural metal -----	-	13	5	0.5	6.6	0.5	1.1	5.4	18.7	21.9	34.3	0.9	(NA)	(NA)
359	Miscellaneous machinery, except electrical -----	E2	33	7	0.4	6.1	0.3	0.7	4.2	10.1	3.4	13.4	(D)	(NA)	(NA)
3599	Machinery, except electrical, n.e.c. -----	E2	33	7	0.4	6.1	0.3	0.7	4.2	10.1	3.4	13.4	(D)	(NA)	(NA)
	Lafayette SMSA -----	-	135	34	3.5	38.3	2.2	4.3	20.5	86.7	91.3	175.5	(D)	2.7	44.2
20	Food and kindred products --	-	19	9	1.5	14.9	0.9	1.7	7.0	33.8	46.9	80.7	(D)	1.5	24.0
34	Fabricated metal products ---	E3	14	4	0.3	3.8	0.2	0.4	1.8	9.8	9.7	19.2	0.8	0.3	4.9
344	Fabricated structural metal products -----	E2	9	4	0.3	3.4	0.2	0.4	1.6	8.7	8.7	17.1	(D)	(NA)	(NA)
35	Machinery, except electrical -	E1	33	9	0.7	9.2	0.4	1.0	5.6	20.6	15.6	35.8	(D)	(NA)	(NA)
353	Construction and related machinery -----	E1	13	6	0.3	5.1	0.2	0.6	3.4	13.2	8.6	21.7	(D)	(NA)	(NA)
3533	Oil field machinery -----	E1	13	6	0.3	5.1	0.2	0.6	3.4	13.2	8.6	21.7	(D)	(NA)	(NA)
	Lake Charles SMSA -----	-	120	47	10.8	199.0	7.8	14.9	127.6	931.0	3 077.4	4 009.0	240.6	9.3	346.5
20	Food and kindred products --	-	10	5	0.4	5.3	0.2	0.4	2.0	9.3	45.7	54.9	1.1	0.7	11.8
24	Lumber and wood products --	-	22	6	0.7	7.1	0.6	1.0	5.8	10.3	21.6	31.7	1.3	(NA)	(NA)
27	Printing and publishing -----	E1	19	2	0.3	3.0	0.2	0.3	1.1	6.2	2.2	8.4	0.2	(NA)	(NA)
282	Plastics materials and synthetics -----	-	5	5	1.8	35.7	1.3	2.7	24.3	194.7	319.2	518.7	(D)	(NA)	(NA)
	Monroe SMSA -----	-	184	49	7.7	112.9	5.2	11.0	71.1	235.1	396.1	628.1	(D)	6.4	126.5
20	Food and kindred products --	E1	21	7	0.8	8.8	0.4	0.7	3.7	22.0	39.9	62.1	(D)	0.7	9.2
264	Miscellaneous converted paper products -----	-	12	9	1.0	14.1	0.8	1.6	9.5	23.9	53.6	77.9	0.8	(NA)	(NA)
27	Printing and publishing -----	-	20	4	0.5	4.5	0.3	0.6	2.7	7.4	5.0	12.4	(D)	0.5	4.9
35	Machinery, except electrical -	E5	18	2	0.3	3.4	0.2	0.4	1.8	7.1	5.9	12.9	0.5	0.3	5.5
	New Orleans SMSA -----	-	1 031	298	46.8	645.8	34.4	70.2	437.1	1 577.4	2 798.5	4 389.3	165.8	54.6	988.6
20	Food and kindred products --	-	149	64	7.5	87.1	4.5	9.0	44.5	255.3	871.3	1 143.7	22.4	9.8	254.2
201	Meat products -----	-	14	3	0.4	5.7	0.3	0.6	3.1	10.6	43.2	53.3	(D)	0.8	11.8
202	Dairy products -----	E1	15	10	0.8	8.6	0.2	0.5	2.6	18.3	54.2	72.2	1.2	1.0	18.2
2026	Fluid milk -----	E1	8	7	0.5	6.0	0.2	0.4	1.9	15.0	46.5	61.4	(D)	(NA)	(NA)
205	Bakery products -----	-	21	10	1.4	15.2	0.8	1.7	6.7	27.4	18.8	46.2	(D)	1.6	19.5
208	Beverages -----	-	19	14	1.8	20.9	0.7	1.6	6.6	86.7	122.7	210.4	3.5	2.5	83.7
209	Miscellaneous foods and kindred products -----	-	61	20	1.9	18.1	1.5	2.7	12.1	84.5	417.0	501.8	5.7	2.3	80.9
2092	Fresh or frozen packaged fish -----	-	21	4	0.3	2.0	0.3	0.5	1.4	6.5	15.6	22.0	(D)	(NA)	(NA)
23	Apparel and other textile products -----	E1	59	18	3.6	28.8	3.0	4.8	18.5	46.2	48.8	94.7	(D)	4.1	39.8
232	Men's and boys' furnishings -----	-	10	7	1.5	12.1	1.2	1.9	6.8	22.1	17.4	39.0	(D)	(NA)	(NA)
239	Miscellaneous fabricated textile products -----	E1	26	5	0.5	4.2	0.4	0.8	2.9	6.4	13.1	19.2	(D)	0.8	4.6
25	Furniture and fixtures -----	E1	28	4	0.3	3.1	0.3	0.5	1.9	7.3	6.5	13.5	(D)	0.5	4.6
26	Paper and allied products ---	-	21	16	1.8	21.8	1.4	3.1	15.9	39.3	58.8	98.0	1.8	2.1	36.0
265	Paperboard containers and boxes -----	E1	12	9	0.7	7.6	0.5	1.1	4.9	16.1	24.0	39.9	0.5	0.7	10.0
2653	Corrugated and solid fiber boxes -----	E2	4	4	0.3	3.3	0.2	0.4	1.9	6.2	12.0	18.1	0.3	0.4	5.3
27	Printing and publishing -----	E1	204	26	2.9	35.3	1.7	3.1	19.1	82.7	49.8	132.6	3.6	3.1	57.5
275	Commercial printing -----	E2	133	13	1.1	11.9	0.8	1.6	8.5	21.8	18.1	40.0	2.0	1.3	19.3
2751	Commercial printing, letterpress -----	E5	80	3	0.3	3.0	0.3	0.4	2.0	5.5	3.9	9.4	(D)	(NA)	(NA)
2752	Commercial printing, lithographic -----	E1	49	10	0.8	8.9	0.6	1.1	6.4	16.1	14.1	30.3	(D)	0.7	11.8
28	Chemicals and allied products -----	-	52	12	1.1	18.3	0.6	1.2	8.1	157.6	110.1	271.3	(D)	1.5	59.4
281	Industrial inorganic chemicals -----	-	8	3	0.3	3.5	0.2	0.3	1.6	46.4	25.7	72.6	(D)	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SMSA's, see appendix A. For explanation of terms, see appendix B.																
SIC code	SMSA and industry	1977												1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)	
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)							
New Orleans SMSA—Con.																
29	Petroleum and coal products -----	-	13	8	1.3	25.2	1.0	2.2	17.7	174.5	905.4	1 075.1	(D)	1.2	37.9	
32	Stone, clay, and glass products -----	-	64	30	3.5	47.0	2.8	5.8	36.2	126.7	140.4	267.3	9.9	3.7	71.5	
327	Concrete, gypsum, and plaster products -----	-	33	16	1.4	17.1	1.1	2.3	12.0	40.0	58.0	98.5	2.8	1.7	30.1	
3272	Concrete products, n.e.c. -----	-	12	4	0.8	8.6	0.7	1.4	6.8	14.6	22.1	37.3	0.3	(NA)	(NA)	
3273	Ready-mixed concrete --	E1	16	10	0.5	6.3	0.3	0.6	3.7	17.9	25.2	42.9	2.1	0.6	10.7	
329	Miscellaneous nonmetallic mineral products -----	-	16	7	0.8	11.3	0.7	1.4	8.9	45.8	39.3	84.3	1.4	0.6	11.7	
34	Fabricated metal products ---	-	96	29	2.6	37.2	2.0	4.1	26.7	74.0	89.6	163.9	3.8	3.6	85.1	
344	Fabricated structural metal products -----	E1	58	14	1.1	13.9	0.8	1.7	9.5	21.5	21.3	44.3	1.2	1.6	23.2	
3441	Fabricated structural metal -----	E1	16	6	0.6	7.6	0.5	1.0	5.8	12.3	9.3	22.2	0.7	0.9	14.5	
3444	Sheet metal work -----	-	14	5	0.3	3.5	0.2	0.3	2.1	6.0	6.2	12.1	0.4	(NA)	(NA)	
347	Metal services, n.e.c. -----	E1	15	5	0.3	3.5	0.3	0.5	2.7	8.0	5.0	12.9	0.6	0.3	4.6	
349	Miscellaneous fabricated metal products -----	E1	13	5	0.3	2.8	0.2	0.3	1.8	5.2	9.3	14.4	0.4	(NA)	(NA)	
35	Machinery, except electrical -	E1	77	18	2.0	27.4	1.5	3.1	18.1	65.5	33.1	95.7	3.2	1.7	31.1	
353	Construction and related machinery -----	-	10	6	0.6	8.8	0.4	0.9	5.8	27.1	7.5	32.8	1.7	0.6	11.4	
3533	Oil field machinery -----	-	4	4	0.5	6.6	0.4	0.8	4.9	23.0	4.2	25.7	(D)	0.5	9.3	
359	Miscellaneous machinery, except electrical -----	E1	41	6	0.4	5.7	0.3	0.6	3.9	11.0	4.9	15.7	0.4	0.4	7.4	
3599	Machinery, except electrical, n.e.c. -----	E1	41	6	0.4	5.7	0.3	0.6	3.9	11.0	4.9	15.7	0.4	0.4	7.4	
36	Electric and electronic equipment -----	E1	23	4	0.3	4.7	0.2	0.3	1.9	7.7	7.7	15.0	0.5	0.4	5.2	
37	Transportation equipment ---	-	77	30	13.9	219.9	11.4	24.9	171.7	347.5	257.9	603.2	12.6	16.2	216.8	
38	Instruments and related products -----	-	12	2	0.3	2.8	0.2	0.3	1.4	4.1	4.7	9.1	(D)	0.3	6.1	
39	Miscellaneous manufacturing industries ---	E2	55	9	0.8	7.7	0.5	1.1	4.6	15.7	11.4	26.5	(D)	0.6	7.2	
399	Miscellaneous manufactures -----	E2	37	8	0.7	6.6	0.5	0.9	4.1	13.6	9.7	22.6	(D)	0.4	3.8	
-	Administrative and auxiliary --	-	27	7	0.6	12.5	-	-	-	-	-	-	-	(NA)	(NA)	
Shreveport SMSA -----			-	405	148	28.0	327.5	21.6	42.2	231.6	739.5	1 084.3	1 794.0	50.1	23.2	392.5
20	Food and kindred products --	-	35	18	1.8	18.6	0.8	1.7	7.1	47.7	77.2	125.0	3.1	1.6	29.6	
202	Dairy products -----	-	4	3	0.3	3.8	0.1	0.2	0.9	7.5	22.9	30.4	0.6	0.3	9.8	
2026	Fluid milk -----	-	4	3	0.3	3.8	0.1	0.2	0.9	7.5	22.9	30.4	0.6	0.3	9.8	
208	Beverages -----	-	5	4	0.4	4.6	0.2	0.4	1.3	12.0	10.5	22.5	(D)	0.4	4.5	
2086	Bottled and canned soft drinks -----	-	5	4	0.4	4.6	0.2	0.4	1.3	12.0	10.5	22.5	(D)	0.4	4.5	
23	Apparel and other textile products -----	-	12	11	1.1	5.9	1.0	1.8	5.4	9.5	8.7	18.0	(D)	1.2	7.2	
24	Lumber and wood products --	-	115	12	1.2	12.0	1.1	2.1	9.0	25.9	46.1	70.8	2.5	1.5	22.7	
243	Millwork, plywood, and structural members -----	-	11	6	0.7	7.1	0.6	1.3	5.4	14.2	25.5	39.6	1.8	0.6	11.2	
27	Printing and publishing -----	-	66	7	1.1	10.7	0.7	1.2	6.2	25.6	16.1	41.6	0.8	1.1	15.4	
275	Commercial printing -----	E1	38	2	0.3	3.0	0.3	0.4	2.1	6.2	6.4	12.6	0.3	0.3	4.4	
28	Chemicals and allied products -----	-	18	6	0.6	9.3	0.4	0.8	5.6	32.3	32.2	63.1	2.3	0.3	15.5	
29	Petroleum and coal products -----	-	8	5	0.7	10.4	0.5	1.1	7.0	34.0	284.2	309.0	(D)	0.5	16.8	
30	Rubber and miscellaneous plastics products -----	-	8	3	0.3	2.8	0.3	0.5	2.4	7.2	8.9	16.0	(D)	(NA)	(NA)	
3273	Ready-mixed concrete --	-	8	4	0.3	2.9	0.2	0.4	1.8	6.3	10.9	17.2	0.4	0.3	6.1	
33	Primary metal industries ----	-	16	10	1.6	17.1	1.3	2.6	12.7	35.4	39.0	73.8	(D)	1.0	13.3	
34	Fabricated metal products ---	-	41	18	3.7	38.9	2.6	5.0	24.3	72.4	68.7	140.5	1.8	4.5	43.1	
344	Fabricated structural metal products -----	-	25	12	2.5	25.9	1.8	3.5	17.0	46.0	61.9	107.2	1.1	(NA)	(NA)	
3441	Fabricated structural metal -----	-	7	4	0.3	2.9	0.2	0.4	2.0	4.6	9.1	13.9	0.2	(NA)	(NA)	
35	Machinery, except electrical -	-	59	20	2.6	30.5	1.9	3.6	19.3	66.6	72.2	135.7	4.3	1.7	31.0	
353	Construction and related machinery -----	-	6	5	0.4	6.2	0.3	0.6	3.9	14.9	12.4	24.0	0.8	(NA)	(NA)	
356	General industrial machinery -----	-	6	3	0.4	5.1	0.3	0.4	3.0	14.0	16.1	32.6	0.6	(NA)	(NA)	
37	Transportation equipment ---	-	18	8	0.7	5.8	0.6	1.2	4.2	11.9	18.0	29.8	0.7	0.5	5.2	
371	Motor vehicles and equipment -----	-	9	3	0.3	3.3	0.2	0.5	2.3	6.2	10.6	16.7	0.3	(NA)	(NA)	
39	Miscellaneous manufacturing industries ---	-	15	4	0.5	3.0	0.4	0.7	2.2	7.6	9.1	15.5	(D)	0.5	5.3	
-	Administrative and auxiliary --	-	10	4	0.3	4.4	-	-	-	-	-	-	-	(NA)	(NA)	

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (S) Withheld because estimate did not meet publication standards.
 (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹ Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E10—100 percent.
² Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 7. Statistics by Selected Industry Group and Industry for Selected Parishes: 1977 and 1972

[Includes parishes with 450 employees or more and industry groups and industries with 450 employees or more within parishes, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

For explanation of terms, see appendix B)															
SIC code	Parish and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Acadia Parish -----	-	62	21	1.6	12.7	1.3	2.5	8.3	38.9	107.3	144.0	3.1	1.4	16.9
20	Food and kindred products --	-	22	8	0.5	4.4	0.4	0.8	2.7	22.3	65.8	86.4	(D)	(NA)	(NA)
204	Grain mill products -----	-	16	8	0.5	4.1	0.4	0.7	2.5	21.4	63.0	82.7	(D)	(NA)	(NA)
2044	Rice milling -----	-	13	8	0.5	4.0	0.4	0.7	2.4	21.3	62.5	82.1	(D)	(NA)	(NA)
23	Apparel and other textile products -----	-	7	6	0.7	3.7	0.6	1.2	3.0	7.1	8.7	15.8	(D)	0.6	3.0
	Allen Parish -----	-	24	7	1.1	12.0	0.9	2.0	9.5	24.9	52.6	77.5	(D)	1.9	31.0
	Ascension Parish -----	-	55	22	4.9	92.4	3.3	7.1	53.9	612.4	823.9	1 407.8	440.1	4.7	226.5
2869	Industrial organic chemicals, n.e.c. -----	-	6	5	1.4	29.2	0.8	1.9	15.8	143.7	311.7	449.9	(D)	(NA)	(NA)
	Assumption Parish -----	-	15	8	0.5	5.9	0.5	1.1	5.1	12.8	39.8	54.3	2.1	0.7	12.2
	Avoyelles Parish -----	-	37	12	1.1	7.3	0.9	1.4	5.4	21.0	21.0	41.7	1.5	0.5	8.0
	Beauregard Parish -----	-	37	11	1.1	19.0	0.8	1.6	12.5	60.2	86.3	145.4	(D)	0.8	25.5
	Bienville Parish -----	-	64	6	0.9	6.7	0.8	1.5	5.3	17.1	31.0	47.7	1.5	0.9	8.4
242	Sawmills and planing mills --	-	6	3	0.5	3.8	0.4	0.9	3.0	9.8	12.7	22.4	(D)	0.5	5.1
2421	Sawmills and planing mills, general -----	-	6	3	0.5	3.8	0.4	0.9	3.0	9.8	12.7	22.4	(D)	(NA)	(NA)
	Bossier Parish -----	-	84	27	2.4	22.6	2.0	3.7	16.7	50.8	92.2	140.4	3.5	1.9	31.4
24	Lumber and wood products --	-	30	4	0.6	5.7	0.5	1.0	4.5	10.5	24.2	33.8	0.8	0.6	10.5
	Caddo Parish -----	-	296	103	22.2	258.6	16.9	32.7	180.5	573.1	815.8	1 363.2	41.3	17.9	286.6
20	Food and kindred products --	-	27	13	1.5	15.4	0.6	1.3	5.8	42.2	59.9	102.1	(D)	1.4	26.6
23	Apparel and other textile products -----	-	6	6	0.7	3.8	0.7	1.3	3.5	5.7	5.1	10.6	(D)	0.9	5.1
34	Fabricated metal products ---	-	33	13	3.3	35.7	2.3	4.5	22.2	64.5	57.8	121.7	1.2	4.4	40.7
	Calcasieu Parish (Coextensive with Lake Charles, La., SMSA; see table 6.)														
	Clalborne Parish -----	-	69	6	0.8	7.8	0.7	1.4	6.3	41.2	50.3	91.0	2.4	0.7	10.6
	De Soto Parish -----	-	35	6	0.9	8.5	0.8	1.6	6.4	16.0	24.7	40.4	1.2	1.5	21.5
	East Baton Rouge Parish ----	-	291	87	17.8	310.3	11.2	22.9	178.5	1 396.5	3 616.6	4 980.1	253.6	16.8	534.2
344	Fabricated structural metal products -----	-	22	6	0.9	12.1	0.6	1.3	8.0	21.5	24.7	45.3	1.0	0.7	12.4
	Franklin Parish -----	-	11	3	0.5	3.5	0.4	0.7	2.7	9.3	11.3	19.5	0.6	0.5	3.3
	Iberia Parish -----	-	78	36	3.9	41.6	3.2	6.2	30.0	89.9	101.8	187.8	9.4	2.0	36.1
20	Food and kindred products --	E1	23	12	1.3	10.5	0.9	1.7	7.0	30.9	54.8	82.2	(D)	0.8	17.6
203	Preserved fruits and vegetables-----	-	4	3	0.5	3.3	0.4	0.6	1.8	13.6	9.3	22.9	(D)	(NA)	(NA)
206	Sugar and confectionery products -----	E1	6	6	0.6	5.2	0.5	0.9	4.4	13.0	33.1	42.6	2.6	(NA)	(NA)
2061	Raw cane sugar -----	E1	6	6	0.6	5.2	0.5	0.9	4.4	13.0	33.1	42.6	2.6	(NA)	(NA)
35	Machinery, except electrical --	-	19	10	0.5	7.6	0.4	0.9	5.3	11.9	10.4	25.2	(D)	0.7	11.1
37	Transportation equipment ---	-	10	5	0.8	11.3	0.6	1.4	8.5	20.6	15.2	35.8	(D)	(NA)	(NA)
3731	Ship building and repairing -----	-	4	3	0.7	10.6	0.6	1.3	8.1	19.4	13.8	33.2	(D)	(NA)	(NA)
	Iberville Parish -----	-	36	16	3.5	68.9	2.2	4.6	40.3	634.7	522.0	1 143.8	(D)	2.2	254.5
28	Chemicals and allied products -----	-	10	8	3.0	61.9	1.8	3.7	35.4	620.4	503.6	1 113.2	(D)	1.7	247.1

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Parishes: 1977 and 1972—Con.

[Includes parishes with 450 employees or more and industry groups and industries with 450 employees or more within parishes, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	Parish and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ² (million dollars)	Value of ship- ments ² (million dollars)	New capital ex- pend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
208	Jefferson Parish ----- Beverages-----	-	391 8	109 7	18.8 0.8	264.0 9.9	14.3 0.3	30.4 0.6	189.1 3.2	588.1 54.6	734.8 67.6	1 337.5 122.9	70.9 1.8	19.9 0.7	319.9 32.9
28	Chemicals and allied products -----	-	19	3	0.6	12.3	0.3	0.7	5.2	107.4	67.4	177.8	(D)	(NA)	(NA)
32	Stone, clay, and glass products -----	-	28	10	1.0	14.6	0.8	1.6	10.2	36.6	40.4	76.4	2.5	1.2	20.9
34	Fabricated metal products ---	-	45	19	1.7	23.2	1.3	2.8	16.8	47.6	51.3	99.3	3.4	1.8	45.1
344	Fabricated structural metal products -----	E1	26	8	0.7	9.5	0.6	1.2	6.9	16.0	12.5	29.0	1.0	0.7	9.2
3441	Fabricated structural metal -----	E1	11	5	0.5	6.8	0.4	0.9	5.2	10.9	6.6	18.1	(D)	(NA)	(NA)
35	Machinery, except electrical --	-	34	10	1.4	18.0	1.1	2.2	12.7	47.8	22.0	67.7	2.7	1.0	18.6
3533	Oil field machinery -----	-	4	4	0.5	6.6	0.4	0.8	4.9	23.0	4.2	25.7	(D)	(NA)	(NA)
37	Transportation equipment ---	-	33	13	8.4	129.0	7.2	16.0	106.9	192.8	180.5	372.9	5.6	(NA)	(NA)
	Jefferson Davis Parish -----	-	31	6	1.0	11.0	0.9	1.8	8.8	24.0	24.0	47.8	1.4	0.7	7.5
	Lafayette Parish (Coextensive with Lafayette, La., SMSA; see table 6.)														
206	Lafourche Parish----- Sugar and confectionery products -----	-	76 10	28 8	2.7 0.6	31.6 6.6	2.1 0.5	4.2 1.1	23.1 4.9	73.5 13.5	130.2 58.6	198.3 67.7	10.2 2.9	2.2 0.6	31.0 10.7
37	Transportation equipment ---	E1	16	6	0.8	11.0	0.7	1.5	9.1	24.3	22.2	46.4	(D)	(NA)	(NA)
3731	Ship building and repairing-----	-	8	5	0.7	9.9	0.6	1.3	8.4	22.4	20.4	42.8	1.1	(NA)	(NA)
	La Salle Parish -----	-	36	6	1.2	11.1	1.1	2.2	9.3	52.0	36.7	88.2	1.5	1.2	24.4
	Lincoln Parish -----	-	54	17	1.9	19.5	1.5	3.0	14.1	58.6	84.8	143.0	4.6	1.2	20.0
24	Lumber and wood products --	-	32	5	0.5	5.5	0.4	1.0	4.2	12.4	19.8	32.5	(D)	0.5	8.9
	Natchitoches Parish -----	-	43	6	0.6	8.9	0.4	0.8	3.9	24.5	43.3	67.5	(D)	0.4	4.1
	Orleans Parish-----	-	540	161	21.4	274.7	14.8	29.2	164.5	612.5	916.4	1 529.0	59.0	28.7	543.0
20	Food and kindred products --	-	87	39	4.6	50.8	2.7	5.6	24.0	151.4	519.0	670.9	10.7	6.0	159.9
205	Bakery products -----	-	21	10	1.4	15.2	0.8	1.7	6.7	27.4	18.8	46.2	(D)	1.4	16.7
2086	Bottled and canned soft drinks -----	E2	4	3	0.5	5.5	0.1	0.2	0.9	12.6	17.1	29.7	1.4	(NA)	(NA)
209	Miscellaneous foods and kindred products -----	-	30	11	1.3	13.5	1.0	1.8	9.0	68.7	370.1	439.4	3.4	1.1	63.1
23	Apparel and other textile products -----	E1	42	16	3.3	26.6	2.7	4.4	16.7	42.3	43.1	85.3	(D)	4.1	39.3
26	Paper and allied products ---	-	11	8	0.8	8.9	0.6	1.3	6.1	17.3	21.9	39.1	0.7	(NA)	(NA)
27	Printing and publishing -----	-	131	22	2.4	30.0	1.4	2.6	16.4	71.9	43.1	115.0	2.8	2.7	52.4
275	Commercial printing -----	E1	85	12	0.9	9.8	0.7	1.3	7.0	17.5	15.0	32.6	1.7	1.2	16.7
2752	Commercial printing, lithographic -----	-	33	9	0.6	7.5	0.5	1.0	5.5	13.5	12.4	25.9	(D)	(NA)	(NA)
28	Chemicals and allied products -----	E1	30	9	0.5	5.7	0.3	0.5	2.7	49.3	41.5	91.5	(D)	1.1	50.9
32	Stone, clay, and glass products -----	-	27	16	1.8	24.8	1.4	3.0	19.5	78.0	76.6	154.6	6.8	2.0	43.2
329	Miscellaneous nonmetallic mineral products -----	-	7	5	0.5	6.8	0.4	1.0	5.2	35.0	29.2	64.2	0.6	0.5	7.9
34	Fabricated metal products ---	-	44	8	0.8	12.8	0.6	1.1	9.1	24.4	36.5	60.8	0.4	1.8	39.1
35	Machinery, except electrical --	E4	30	7	0.6	8.8	0.4	0.8	5.0	16.8	10.5	26.6	0.5	0.7	11.9
37	Transportation equipment ---	-	31	12	4.6	79.2	3.5	7.4	54.9	130.1	55.8	184.0	6.4	5.9	99.2
3731	Ship building and repairing-----	-	16	8	2.3	35.1	1.6	3.3	22.6	56.9	24.4	81.3	5.1	(NA)	(NA)
39	Miscellaneous manufacturing industries -----	E2	32	5	0.5	4.6	0.3	0.7	2.7	8.0	6.6	14.6	(D)	(NA)	(NA)
	Ouachita Parish (Coextensive with Monroe, La., SMSA; see table 6.)														
	Plaquemines Parish-----	-	43	18	2.5	39.0	1.7	3.5	26.9	240.9	1 185.2	1 411.8	21.1	(D)	(D)
	Rapides Parish -----	-	120	32	4.3	51.2	2.9	6.3	30.0	144.0	193.2	337.7	(D)	4.3	90.4
20	Food and kindred products --	E1	15	11	1.1	10.1	0.9	1.7	4.5	23.9	62.5	85.0	1.4	1.2	16.6
	Red River Parish -----	-	14	4	0.7	5.7	0.7	1.2	4.5	18.3	23.3	42.9	0.7	(D)	(D)
	Richland Parish -----	-	14	5	0.6	4.7	0.5	0.9	3.5	8.3	9.3	17.8	0.6	0.7	6.3

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Parishes: 1977 and 1972—Con.

[Includes parishes with 450 employees or more and industry groups and industries with 450 employees or more within parishes, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

For explanation of terms, see appendix B1															
SIC code	Parish and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
28	Sabine Parish -----	-	54	10	1.3	12.1	1.0	2.1	8.6	25.4	63.4	88.2	2.9	0.9	14.9
	St. Bernard Parish-----	-	34	11	4.7	87.0	3.7	7.7	67.6	336.5	1 094.0	1 428.2	34.7	4.2	104.3
	St. Charles Parish -----	-	24	14	4.5	94.3	3.0	6.5	56.8	790.9	1 917.4	2 690.4	263.0	3.0	225.8
	St. James Parish -----	-	25	16	2.7	48.2	2.0	4.2	34.1	254.9	1 168.5	1 404.9	38.4	2.5	87.3
	Chemicals and allied products -----	-	6	6	1.5	27.5	1.0	2.1	19.8	122.7	261.7	380.2	(D)	1.4	49.0
	St. John the Baptist Parish---	-	17	10	2.6	44.6	1.9	2.6	33.3	112.0	971.3	1 083.0	37.6	(D)	(D)
	St. Landry Parish -----	-	63	22	1.9	17.0	1.4	2.8	10.2	39.1	115.6	150.2	24.3	1.2	14.5
	St. Martin Parish -----	-	32	12	2.4	17.2	2.3	4.3	15.5	24.8	60.3	79.2	1.9	1.2	8.5
20	St. Mary Parish -----	-	88	35	5.6	81.3	4.7	10.5	62.9	197.6	215.7	420.8	21.2	4.3	98.7
	Food and kindred products --	-	15	7	0.6	4.0	0.5	0.8	3.2	9.4	26.9	37.1	(D)	0.7	13.6
	Chemicals and allied products -----	-	7	3	0.5	7.9	0.4	1.0	6.6	38.2	57.2	94.1	(D)	0.7	29.4
	Miscellaneous chemical products -----	-	7	3	0.5	7.9	0.4	1.0	6.6	38.2	57.2	94.1	(D)	0.7	28.1
	Transportation equipment ---	-	20	10	1.8	27.2	1.6	3.7	23.5	52.3	49.6	102.0	(D)	0.9	12.8
	Ship and boat building and repairing -----	-	20	10	1.8	27.2	1.6	3.7	23.5	52.3	49.6	102.0	(D)	0.9	12.8
	Ship building and repairing-----	-	11	8	1.7	26.0	1.5	3.5	22.7	50.6	47.7	98.3	(D)	(NA)	(NA)
	St. Tammany Parish -----	-	67	17	1.9	20.2	1.6	2.9	16.0	40.5	53.5	94.9	1.3	1.8	21.4
32	Stone, clay, and glass products -----	E1	9	4	0.7	7.5	0.6	1.3	6.5	12.0	23.4	36.3	0.5	(NA)	(NA)
	Tangipahoa Parish -----	-	118	30	2.7	22.6	2.2	4.1	15.9	51.2	102.3	150.6	5.5	2.6	39.5
20	Food and kindred products --	E2	18	10	0.7	6.1	0.5	1.0	3.6	20.3	56.3	75.8	(D)	0.8	10.7
24	Lumber and wood products --	E1	53	9	0.7	5.6	0.6	1.1	4.5	12.0	20.1	31.7	(D)	0.9	19.6
242	Sawmills and planing mills -	-	14	6	0.5	4.0	0.4	0.9	3.4	8.3	14.1	22.1	1.4	(NA)	(NA)
2421	Sawmills and planing mills, general -----	-	14	6	0.5	4.0	0.4	0.9	3.4	8.3	14.1	22.1	1.4	(NA)	(NA)
20	Terrebonne Parish -----	-	106	27	3.3	41.2	2.6	5.7	28.5	81.5	128.1	196.2	7.6	3.7	59.3
	Food and kindred products --	-	32	7	0.8	5.7	0.7	1.1	4.4	26.6	65.8	78.8	(D)	0.7	11.3
	Transportation equipment ---	-	25	8	1.3	18.7	1.2	2.5	15.9	30.5	29.5	60.0	(D)	1.7	25.5
	Ship and boat building and repairing -----	-	25	8	1.3	18.7	1.2	2.5	15.9	30.5	29.5	60.0	(D)	1.7	25.5
	Ship building and repairing-----	-	13	8	1.2	18.2	1.1	2.5	15.5	29.6	28.9	58.5	(D)	(NA)	(NA)
	Union Parish -----	-	56	8	0.9	6.6	0.8	1.6	5.5	22.4	22.4	44.5	(D)	0.9	8.9
	Vermillion Parish -----	-	37	8	1.0	8.5	0.8	1.6	6.0	51.5	51.8	99.0	1.4	0.7	18.4
	Food and kindred products --	-	10	5	0.6	5.3	0.5	1.1	4.1	43.4	44.8	84.1	(D)	0.6	16.7
20	Washington Parish -----	-	45	13	3.3	42.7	2.7	5.1	32.2	83.8	219.5	304.8	(D)	3.4	64.0
	Webster Parish -----	-	105	18	3.4	46.2	2.7	5.8	34.4	115.7	176.3	290.4	5.3	3.3	74.5
	West Baton Rouge Parish ---	-	14	10	0.5	6.8	0.4	0.9	4.8	36.0	80.3	114.8	8.4	0.3	10.5
	Winn Parish -----	-	67	13	2.0	21.0	1.8	3.9	17.5	60.8	75.0	135.3	4.4	1.4	19.5
	Lumber and wood products --	-	60	10	1.8	19.8	1.6	3.7	16.8	58.3	64.3	122.0	(D)	1.4	18.5
	Sawmills and planing mills -	-	12	5	1.1	12.9	1.0	2.2	10.9	32.1	36.9	69.0	1.5	0.9	12.2
	Sawmills and planing mills, general -----	-	12	5	1.1	12.9	1.0	2.2	10.9	32.1	36.9	69.0	1.5	(NA)	(NA)

Note: "Parish" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

Explanation of terms, see appendix B)															
SIC code	City and industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Alexandria -----	-	70	24	3.2	37.3	2.2	4.7	20.5	74.2	110.4	183.0	5.9	2.8	38.4
	Amite City -----	-	27	9	0.7	5.9	0.6	1.2	5.2	14.1	30.4	44.5	1.9	0.6	8.9
	Baton Rouge -----	-	212	63	11.4	184.4	7.2	14.4	108.9	552.3	973.8	1 508.0	102.0	13.0	394.6
20	Food and kindred products --	-	17	13	1.4	16.6	0.4	0.9	4.4	36.8	53.7	90.3	3.4	1.2	23.6
27	Printing and publishing -----	E1	47	6	1.0	12.7	0.8	1.3	8.8	26.1	11.7	37.8	(D)	(NA)	(NA)
28	Chemicals and allied products -----	-	14	7	5.7	112.4	3.7	7.9	71.5	373.2	799.6	1 155.4	(D)	7.8	296.8
34	Fabricated metal products ---	-	20	5	0.7	10.1	0.5	1.0	6.6	17.6	22.0	39.5	0.5	0.9	15.2
344	Fabricated structural metal products -----	-	15	3	0.6	8.0	0.4	0.8	5.1	14.2	19.0	33.0	0.4	(NA)	(NA)
	Bossier City -----	-	51	17	1.6	14.7	1.3	2.3	10.5	34.5	60.8	93.3	2.2	1.4	21.9
	Crowley -----	-	37	14	1.1	7.9	0.9	1.7	5.4	22.5	45.1	67.6	1.9	1.0	11.6
	Donaldsonville -----	-	9	4	0.9	17.7	0.5	1.3	10.6	183.3	196.5	371.2	(D)	(NA)	(NA)
	Eunice -----	-	17	7	0.5	3.6	0.4	0.8	2.2	5.1	6.8	11.4	(D)	0.6	4.9
	Franklin -----	-	19	8	0.9	11.5	0.7	1.5	9.2	42.6	66.3	108.8	6.9	0.5	18.1
28	Chemicals and allied products -----	-	3	3	0.5	7.5	0.4	0.9	6.4	36.6	51.2	86.5	(D)	(NA)	(NA)
289	Miscellaneous chemical products -----	-	3	3	0.5	7.5	0.4	0.9	6.4	36.6	51.2	86.5	(D)	(NA)	(NA)
	Gonzales -----	-	18	6	0.5	4.8	0.5	0.8	3.5	5.9	15.9	21.8	0.9	(NA)	(NA)
	Gretna -----	-	32	6	0.9	12.5	0.4	0.8	4.4	8.6	96.0	121.7	5.1	1.2	20.3
	Hammond -----	-	34	7	0.6	5.3	0.4	0.8	2.9	11.4	30.1	41.2	1.8	1.0	16.7
	Houma -----	-	81	23	3.0	38.8	2.4	5.3	26.5	77.6	122.9	187.1	(D)	2.0	35.0
20	Food and kindred products --	-	25	8	0.7	5.4	0.6	1.0	4.2	26.2	62.2	74.8	(D)	0.6	10.9
37	Transportation equipment ---	-	15	6	1.2	17.0	1.0	2.3	14.4	28.1	28.3	56.3	(D)	(NA)	(NA)
373	Ship and boat building and repairing -----	-	15	6	1.2	17.0	1.0	2.3	14.4	28.1	28.3	56.3	(D)	(NA)	(NA)
	Jeanerette -----	-	9	5	1.0	7.1	1.0	1.6	6.6	5.4	27.4	33.4	(D)	(NA)	(NA)
	Jennings -----	-	18	6	1.0	10.1	0.8	1.7	8.3	22.1	20.8	42.7	1.3	(NA)	(NA)
	Kaplan -----	-	9	4	0.5	3.3	0.4	0.8	2.3	15.1	21.0	32.4	0.4	(NA)	(NA)
	Kenner -----	-	41	11	1.1	12.1	0.8	1.7	8.0	30.4	28.9	58.0	1.2	0.9	13.6
	Lafayette -----	-	100	23	2.6	28.7	1.6	3.2	15.6	62.1	68.5	128.8	(D)	2.0	33.9
	Marrero (U) -----	-	19	6	0.9	12.8	0.8	1.8	10.6	20.5	34.3	55.3	1.2	(D)	(D)
	Metairie (U) -----	-	128	16	1.7	19.9	1.1	2.0	10.7	49.0	67.3	115.4	2.3	1.5	23.1
	Minden -----	-	44	10	1.0	10.4	0.7	1.5	6.0	21.2	35.4	56.8	1.7	(D)	(D)
	Morgan City -----	-	41	14	3.1	47.3	2.7	6.2	36.9	121.1	99.8	228.4	7.8	2.0	50.1
	New Iberia -----	-	61	27	2.5	30.0	1.9	4.0	20.9	66.4	64.9	126.7	5.9	1.1	20.4
20	Food and kindred products --	E1	15	7	0.7	5.4	0.5	0.9	3.2	12.3	30.5	41.8	1.1	0.5	9.5
	New Orleans -----	-	539	161	21.4	274.6	14.8	29.2	164.5	612.4	916.3	1 528.7	59.0	(NA)	(NA)
20	Food and kindred products --	-	87	39	4.6	50.8	2.7	5.6	24.0	151.4	519.0	670.9	10.7	(NA)	(NA)
205	Bakery products -----	-	21	10	1.4	15.2	0.8	1.7	6.7	27.4	18.8	46.2	(D)	(NA)	(NA)
2056	Bottled and canned soft drinks -----	E2	4	3	0.5	5.5	0.1	0.2	0.9	12.6	17.1	29.7	1.4	(NA)	(NA)
209	Miscellaneous foods and kindred products -----	-	30	11	1.3	13.5	1.0	1.8	9.0	68.7	370.1	439.4	3.4	(NA)	(NA)
23	Apparel and other textile products -----	E1	42	16	3.3	26.6	2.7	4.4	16.7	42.3	43.1	85.3	(D)	(NA)	(NA)
26	Paper and allied products ---	-	11	8	0.8	8.9	0.6	1.3	6.1	17.3	21.9	39.1	0.7	(NA)	(NA)
27	Printing and publishing -----	-	131	22	2.4	30.0	1.4	2.6	16.4	71.9	43.1	115.0	2.8	(NA)	(NA)
275	Commercial printing -----	E1	85	12	0.9	9.8	0.7	1.3	7.0	17.5	15.0	32.6	1.7	(NA)	(NA)
2752	Commercial printing, lithographic -----	-	33	9	0.6	7.5	0.5	1.0	5.5	13.5	12.4	25.9	(D)	(NA)	(NA)
28	Chemicals and allied products -----	E1	30	9	0.5	5.7	0.3	0.5	2.7	49.3	41.5	91.5	(D)	(NA)	(NA)
32	Stone, clay, and glass products -----	-	27	16	1.8	24.8	1.4	3.0	19.5	78.0	76.6	154.6	6.8	(NA)	(NA)
329	Miscellaneous nonmetallic mineral products -----	-	7	5	0.5	6.8	0.4	1.0	5.2	35.0	29.2	64.2	0.6	(NA)	(NA)
34	Fabricated metal products ---	-	44	8	0.8	12.8	0.6	1.1	9.1	24.4	36.5	60.8	0.4	(NA)	(NA)
35	Machinery, except electrical --	E4	30	7	0.6	8.8	0.4	0.8	5.0	16.8	10.5	26.6	0.5	(NA)	(NA)
37	Transportation equipment ---	-	31	12	4.6	79.2	3.5	7.4	54.9	130.1	55.8	184.0	6.4	(NA)	(NA)
3731	Ship building and repairing -----	-	16	8	2.3	35.1	1.6	3.3	22.6	56.9	24.4	81.3	5.1	(NA)	(NA)
39	Miscellaneous manufacturing industries -----	E2	31	5	0.5	4.5	0.3	0.6	2.6	7.8	6.5	14.3	(D)	(NA)	(NA)

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Opelousas -----	-	21	7	0.9	9.5	0.6	1.2	5.4	24.4	85.5	105.4	(D)	0.5	8.2
	Plaquemine -----	-	22	8	0.9	14.2	0.6	1.3	9.2	108.3	161.6	269.9	(D)	(D)	(D)
	Ponchatoula -----	-	17	6	0.5	4.0	0.4	0.7	2.6	11.0	14.7	24.9	0.4	(NA)	(NA)
	Ruston -----	-	25	13	1.5	16.0	1.2	2.4	11.4	43.5	38.4	81.6	4.0	(NA)	(NA)
	St. Martinville -----	-	15	6	2.0	14.0	1.9	3.6	13.1	18.0	42.8	59.6	(D)	0.7	4.6
	Shreveport -----	-	256	89	19.1	223.6	14.3	27.4	154.2	488.1	714.4	1 182.5	35.8	15.1	239.4
20	Food and kindred products --	-	25	13	1.5	15.6	0.6	1.3	5.6	42.3	54.5	96.7	2.7	1.3	25.7
27	Printing and publishing -----	-	50	6	1.0	9.5	0.6	1.0	5.5	23.4	14.9	38.3	0.6	1.0	14.3
28	Chemicals and allied products -----	-	12	4	0.5	7.6	0.3	0.6	4.2	20.5	19.2	38.4	1.5	(NA)	(NA)
34	Fabricated metal products ---	-	27	12	3.4	35.8	2.4	4.6	22.4	64.9	57.5	121.8	1.4	4.2	37.9
344	Fabricated structural metal products -----	-	17	7	2.3	23.4	1.6	3.2	15.6	39.3	51.7	90.3	0.7	(NA)	(NA)
35	Machinery, except electrical --	-	35	14	1.2	15.3	0.9	1.5	8.7	38.3	34.6	71.6	2.1	0.8	11.1
	Slidell -----	-	30	10	0.8	7.9	0.7	1.2	6.2	12.1	13.9	26.0	0.6	0.7	6.8

Note: "City" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Parishes: 1977

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, parish, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
LOUISIANA.	4276	585	1	14	131	992	77	67	546	236	57	62	6	237	42	282	396	70	224	35	129	87
1 TO 4 EMPLOYEES	1973	175	1	3	40	684	35	5	341	70	7	25	3	79	6	106	169	32	78	14	73	26
5 TO 9 EMPLOYEES	519	79	1	2	11	94	15	5	65	30	3	6	1	32	4	35	57	10	35	7	17	11
10 TO 19 EMPLOYEES	548	73	1	3	10	74	14	3	71	28	12	16	1	49	8	45	68	8	24	8	21	18
20 TO 49 EMPLOYEES	519	100	1	1	13	73	19	8	43	22	12	11	1	39	9	45	64	7	29	3	9	16
50 TO 99 EMPLOYEES	301	84	1	1	24	32	1	12	15	24	4	2	1	22	3	26	17	5	15	1	4	10
100 TO 249 EMPLOYEES	254	57	1	4	21	25	2	16	7	29	7	2	1	10	7	16	17	3	19	1	5	5
250 TO 499 EMPLOYEES	102	14	1	1	8	9	1	9	2	16	6	1	1	4	1	5	3	2	20	1	1	1
500 TO 999 EMPLOYEES	43	3	1	1	4	1	1	3	2	12	4	2	1	2	1	2	1	1	2	1	1	1
1000 TO 2499 EMPLOYEES	13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2500 EMPLOYEES AND OVER	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ACADIA PARISH	62	22	1	1	7	2	1	1	6	4	1	2	1	4	1	3	7	1	1	1	3	3
1 TO 19 EMPLOYEES	41	14	1	1	1	2	1	1	5	3	1	2	1	4	1	1	5	1	1	1	1	1
20 TO 99 EMPLOYEES	18	7	1	1	4	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1
100 TO 249 EMPLOYEES	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
250 EMPLOYEES AND OVER	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ALLEN PARISH	24	1	1	1	1	12	1	1	5	2	1	1	1	2	1	1	1	1	1	1	1	1
1 TO 19 EMPLOYEES	17	1	1	1	1	8	1	1	5	1	1	1	1	2	1	1	1	1	1	1	1	1
20 TO 99 EMPLOYEES	4	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
100 TO 249 EMPLOYEES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
250 EMPLOYEES AND OVER	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ASCENSION PARISH	55	5	1	1	2	2	1	1	3	16	1	1	1	6	1	8	11	1	1	1	1	1
1 TO 19 EMPLOYEES	33	3	1	1	1	1	1	1	3	3	1	1	1	6	1	6	9	1	1	1	1	1
20 TO 99 EMPLOYEES	8	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1
100 TO 249 EMPLOYEES	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
250 EMPLOYEES AND OVER	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ASSUMPTION PARISH	15	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1 TO 19 EMPLOYEES	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20 TO 99 EMPLOYEES	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
100 TO 249 EMPLOYEES	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
AVOUELLES PARISH	37	7	1	1	3	11	2	1	4	1	1	1	1	6	1	1	1	1	1	1	1	1
1 TO 19 EMPLOYEES	25	4	1	1	8	3	1	1	4	1	1	1	1	5	1	1	1	1	1	1	1	1
20 TO 99 EMPLOYEES	10	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
100 TO 249 EMPLOYEES	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
250 EMPLOYEES AND OVER	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BEAUREGARD PARISH	37	6	1	1	1	17	1	1	3	3	1	1	1	1	1	1	3	1	1	1	1	1
1 TO 19 EMPLOYEES	26	4	1	1	15	2	1	1	2	1	1	1	1	1	1	1	3	1	1	1	1	1
20 TO 99 EMPLOYEES	8	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
100 TO 249 EMPLOYEES	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
250 EMPLOYEES AND OVER	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BIENVILLE PARISH	64	1	1	1	1	57	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
1 TO 19 EMPLOYEES	58	1	1	1	54	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
20 TO 99 EMPLOYEES	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
100 TO 249 EMPLOYEES	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
250 EMPLOYEES AND OVER	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BOSSIER PARISH	84	3	1	1	4	30	2	1	10	1	1	1	1	4	4	6	9	3	4	1	2	2
1 TO 19 EMPLOYEES	57	1	1	1	26	2	1	1	8	1	1	1	1	1	1	2	8	2	1	1	1	1
20 TO 99 EMPLOYEES	21	2	1	1	2	1	1	1	2	1	1	1	1	3	2	3	1	1	1	1	1	1
100 TO 249 EMPLOYEES	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
250 EMPLOYEES AND OVER	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CADDO PARISH	296	27	1	1	6	24	4	3	51	14	6	6	1	17	11	33	46	10	9	6	12	9
1 TO 19 EMPLOYEES	193	14	1	1	17	17	4	1	46	9	3	3	1	12	4	20	28	5	7	4	10	5
20 TO 99 EMPLOYEES	71	7	1	1	5	6	1	2	3	3	1	1	1	4	2	10	14	1	1	1	2	2
100 TO 249 EMPLOYEES	15	5	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1
250 EMPLOYEES AND OVER	15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CALCASIEU PARISH	120	10	1	1	2	22	1	1	19	17	5	3	1	7	1	5	16	2	2	1	3	4
1 TO 19 EMPLOYEES	73	5	1	1	1	16	1	1	17	2	1	1	1	3	1	5	11	1	2	1	2	3
20 TO 99 EMPLOYEES	29	4	1	1	1	4	1	1	1	6	4	2	1	4	1	1	5	1	1	1	1	1
100 TO 249 EMPLOYEES	7	1	1	1	1	1	1	1	1	4	5	4	1	1	1	1	1	1	1	1	1	1
250 EMPLOYEES AND OVER	11	1	1	1	1	1	1	1	1	5	4	1	1	1	1	1	1	1	1	1	1	1
CALDWELL PARISH	26	1	1	1	1	20	1	1	2	1	1	1	1	2	1	1	1	1	1	1	1	1
1 TO 19 EMPLOYEES	26	1	1	1	1	20	1	1	2	1	1	1	1	2	1	1	1	1	1	1	1	1

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Parishes: 1977 – Con.

appendix B)

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Parishes: 1977 – Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B)

State, parish, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
JEFFERSON DAVIS PARISH	31								6	1	2			3			5		2			3
1 TO 19 EMPLOYEES	25				1	4		5	5	1	1			3			5					3
20 TO 99 EMPLOYEES	3					3		1		1												
100 TO 249 EMPLOYEES	1				1														1			
250 EMPLOYEES AND OVER																						
LAFAYETTE PARISH	135			1	1	7	1		14	6	1	5		13		14	33	3	3	2	10	2
1 TO 19 EMPLOYEES	101				1	3	1		11	6	1	4		11		10	24	3	3	2	10	1
20 TO 99 EMPLOYEES	24					4			2					2		3	8				1	1
100 TO 249 EMPLOYEES	7								1							1	1					
250 EMPLOYEES AND OVER	3																					
LAFORCHE PARISH	76				1	2		1	6	1				3	1	1	11	1	16		1	1
1 TO 19 EMPLOYEES	48					2			5					3	1		7	1	10		1	1
20 TO 99 EMPLOYEES	20								1	1							3		4			
100 TO 249 EMPLOYEES	6																1		2			
250 EMPLOYEES AND OVER	2																					
LA SALLE PARISH	36				1	29			2						2		2					
1 TO 19 EMPLOYEES	30					26			2								2					
20 TO 99 EMPLOYEES	1					1																
100 TO 249 EMPLOYEES	3					1																
250 EMPLOYEES AND OVER	2					1																
LINCOLN PARISH	54				1	32			4	1	1	1		3		1	1	1	1	2		1
1 TO 19 EMPLOYEES	37					27			3	1				1		1	1	1	1	1		
20 TO 99 EMPLOYEES	11					2			1	1				1		1						
100 TO 249 EMPLOYEES	4					3								1					1			
250 EMPLOYEES AND OVER	2													1								
LIVINGSTON PARISH	47					26			4	2		1		2	1	5	1					
1 TO 19 EMPLOYEES	39					25			4	1				1		4	1					
20 TO 99 EMPLOYEES	6													1		1						
100 TO 249 EMPLOYEES	1													1		1						
250 EMPLOYEES AND OVER	1					1								1								
MADISON PARISH	10								1	1				1		1	1					
1 TO 19 EMPLOYEES	7					1			1	1				1		1	1					
20 TO 99 EMPLOYEES	2															1						
100 TO 249 EMPLOYEES	1																					
250 EMPLOYEES AND OVER																						
MOREHOUSE PARISH	22				1	9		3	2	1		1					2	2	2			
1 TO 19 EMPLOYEES	14					8		1	1	1									1			
20 TO 99 EMPLOYEES	4					1													1			
100 TO 249 EMPLOYEES	1																					
250 EMPLOYEES AND OVER	3				1			2														
NATCHITOCHES PARISH	43			2		25		1	4					2		2	3					1
1 TO 19 EMPLOYEES	37			2		24			3					1		2	3					1
20 TO 99 EMPLOYEES	4																					
100 TO 249 EMPLOYEES	2					1		1														
ORLEANS PARISH	540			1	42	13	18	11	131	30	3	6	1	27	2	44	30		31	8	32	14
1 TO 19 EMPLOYEES	379			26	8	15	3	109	19	21	2	6	1	11	1	36	23		19	6	27	19
20 TO 99 EMPLOYEES	104					3	6	19	3	8	1			10	1	7	5		2	1	3	5
100 TO 249 EMPLOYEES	39			1	4	2		2	2	1				3		1	2		3	1	2	9
250 EMPLOYEES AND OVER	18							1											7			
OUACHITA PARISH	184				4	32	7	15	20	10	2	8		6	1	12	18		5	6	6	5
1 TO 19 EMPLOYEES	135				3	30	5	3	16	7	1	7		3	1	8	16		5	6	6	3
20 TO 99 EMPLOYEES	31				1	2	1	4	3	1	1	1		3	1	3	1		1			
100 TO 249 EMPLOYEES	9							1														
250 EMPLOYEES AND OVER	9							3	1	1												
PLAQUEMINES PARISH	43					1	1			5	2			4	1	5	5		9			
1 TO 19 EMPLOYEES	25					1				4				3		4	3		5			
20 TO 99 EMPLOYEES	11										1			1		1	2		2			
100 TO 249 EMPLOYEES	3										1								2			
250 EMPLOYEES AND OVER																						
POINTE COUPEE PARISH	17				1	8			2													
1 TO 19 EMPLOYEES	13					7			2													
20 TO 99 EMPLOYEES	3					1																
100 TO 249 EMPLOYEES	1																					

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Parishes: 1977 – Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B)

State, parish, and employee size class ¹	All establishments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40's
RAPIDES PARISH	120	15	-	-	1	34	8	2	14	5	-	1	-	5	1	6	11	5	5	1	5	1
1 TO 19 EMPLOYEES	88	4	-	-	1	31	6	-	10	4	-	-	-	2	1	4	10	4	5	1	5	1
20 TO 99 EMPLOYEES	22	9	-	-	2	2	1	-	3	-	-	1	-	2	1	1	1	1	-	-	-	1
100 TO 249 EMPLOYEES	5	-	-	-	-	1	1	1	1	1	-	-	-	1	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
RED RIVER PARISH	14	-	-	1	5	-	-	-	2	1	-	1	-	2	-	-	-	1	-	-	1	1
1 TO 19 EMPLOYEES	10	-	-	-	3	-	-	-	2	1	-	1	-	2	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	2	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RICHLAND PARISH	14	3	-	-	2	1	-	1	1	1	-	-	-	1	-	1	2	-	1	-	-	-
1 TO 19 EMPLOYEES	9	3	-	-	2	1	-	1	1	1	-	-	-	1	-	1	2	-	-	-	-	-
20 TO 99 EMPLOYEES	4	-	-	2	1	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SABINE PARISH	54	4	-	1	40	-	-	-	2	-	1	-	-	1	-	-	1	-	-	-	-	4
1 TO 19 EMPLOYEES	44	1	-	-	35	-	-	-	2	-	1	-	-	1	-	-	1	-	-	-	-	3
20 TO 99 EMPLOYEES	4	3	-	-	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	2
100 TO 249 EMPLOYEES	4	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ST. BERNARD PARISH	34	9	-	1	4	-	-	-	3	-	2	-	-	-	1	4	4	-	5	-	1	1
1 TO 19 EMPLOYEES	23	6	-	1	2	-	-	-	3	-	-	-	-	-	-	3	4	-	3	-	-	-
20 TO 99 EMPLOYEES	5	2	-	-	2	-	-	-	-	-	1	-	-	-	-	1	-	-	2	-	-	-
100 TO 249 EMPLOYEES	3	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ST. CHARLES PARISH	24	3	-	-	-	-	-	1	2	11	5	-	-	-	-	1	-	-	1	-	-	-
1 TO 19 EMPLOYEES	10	1	-	-	-	-	-	1	2	2	3	-	-	-	2	1	-	-	-	-	-	-
20 TO 99 EMPLOYEES	6	2	-	-	-	-	-	-	-	2	3	-	-	-	1	1	-	-	-	-	-	-
100 TO 249 EMPLOYEES	3	-	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	5	-	-	-	-	-	-	-	-	4	1	-	-	-	-	-	-	-	-	-	-	-
ST. HELENA PARISH	12	1	-	-	9	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
1 TO 19 EMPLOYEES	9	1	-	-	7	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
20 TO 99 EMPLOYEES	3	-	-	-	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
ST. JAMES PARISH	25	4	-	1	2	-	-	-	3	6	2	-	-	1	1	2	3	-	-	-	-	-
1 TO 19 EMPLOYEES	9	-	-	-	-	-	-	-	3	3	-	-	-	-	1	1	3	-	-	-	-	-
20 TO 99 EMPLOYEES	9	3	-	-	-	-	-	-	-	2	1	-	-	1	1	1	-	-	-	-	-	-
100 TO 249 EMPLOYEES	3	-	-	1	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	4	1	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-
ST. JOHN THE BAPTIST PARISH	17	3	-	-	1	-	-	1	2	5	1	1	-	2	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	7	-	-	-	-	-	-	-	2	2	-	-	-	2	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	6	2	-	-	-	-	-	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	3	1	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-
ST. LANDRY PARISH	63	15	-	-	3	8	2	-	7	2	-	-	-	7	-	4	8	-	2	-	4	4
1 TO 19 EMPLOYEES	41	11	-	1	1	5	1	-	5	2	1	-	-	5	-	2	5	-	1	1	-	-
20 TO 99 EMPLOYEES	19	3	-	-	3	1	-	-	2	1	-	-	-	2	-	1	3	-	-	-	-	-
100 TO 249 EMPLOYEES	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ST. MARTIN PARISH	32	16	-	1	-	1	-	-	2	1	1	-	-	2	-	2	2	-	3	-	1	1
1 TO 19 EMPLOYEES	20	10	-	-	-	1	-	-	2	2	-	-	-	1	-	2	1	-	2	-	-	-
20 TO 99 EMPLOYEES	11	6	-	-	-	-	-	-	-	1	1	-	-	-	-	-	1	-	1	-	-	-
250 EMPLOYEES AND OVER	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ST. MARY PARISH	88	15	-	-	1	2	-	-	7	7	-	-	-	6	1	12	13	2	20	-	1	1
1 TO 19 EMPLOYEES	53	8	-	-	1	2	-	-	6	4	-	-	-	5	1	6	9	1	10	-	1	1
20 TO 99 EMPLOYEES	23	5	-	-	-	-	-	-	1	3	-	-	-	1	1	4	4	1	6	-	-	-
100 TO 249 EMPLOYEES	9	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	-	-	-
250 EMPLOYEES AND OVER	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-
ST. TAMMANY PARISH	67	5	-	-	2	12	-	-	1	8	3	2	1	9	1	3	9	1	8	-	2	0
1 TO 19 EMPLOYEES	50	3	-	-	1	10	-	-	7	7	3	1	-	5	1	3	8	1	5	-	2	0
20 TO 99 EMPLOYEES	13	2	-	-	1	2	-	-	1	1	-	1	-	3	1	1	1	1	1	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Parishes: 1977—Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, parish, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
TANGIPAHOA PARISH	118	18	-	1	3	53	3	-	13	-	-	2	-	6	1	6	5	-	2	2	3	-
1 TO 19 EMPLOYEES	88	8	-	-	1	44	3	-	11	-	-	2	-	4	1	5	4	-	1	2	2	-
20 TO 99 EMPLOYEES	22	8	-	-	-	7	-	-	2	-	-	-	-	2	-	1	-	-	1	-	1	-
100 TO 249 EMPLOYEES	6	2	-	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
TENSAS PARISH	4	-	-	-	-	3	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	3	-	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TERREBONNE PARISH	106	32	-	-	-	2	1	1	7	3	1	1	-	2	-	6	20	-	25	-	2	3
1 TO 19 EMPLOYEES	79	25	-	-	-	1	1	1	6	2	1	1	-	1	-	4	15	-	17	-	2	2
20 TO 99 EMPLOYEES	17	4	-	-	-	1	-	-	1	-	-	-	-	1	-	1	4	-	4	-	1	1
100 TO 249 EMPLOYEES	8	3	-	-	-	-	-	-	-	1	-	-	-	-	-	1	1	-	2	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-
UNION PARISH	56	1	-	-	3	50	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-
1 TO 19 EMPLOYEES	48	-	-	-	-	47	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	5	1	-	-	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	3	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
VERMILION PARISH	37	10	-	-	2	2	-	-	5	3	-	-	-	2	-	1	4	-	5	-	-	3
1 TO 19 EMPLOYEES	29	5	-	-	1	2	-	-	5	3	-	-	-	2	-	1	4	-	3	-	-	3
20 TO 99 EMPLOYEES	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-
100 TO 249 EMPLOYEES	4	3	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VERNON PARISH	30	4	-	-	-	20	-	-	2	-	-	1	-	1	-	-	-	-	-	-	1	1
1 TO 19 EMPLOYEES	28	4	-	-	-	19	-	-	2	-	-	1	-	1	-	-	-	-	-	-	1	1
20 TO 99 EMPLOYEES	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WASHINGTON PARISH	45	9	-	-	1	19	-	4	4	-	-	-	-	5	1	1	-	-	1	-	-	-
1 TO 19 EMPLOYEES	32	5	-	-	-	16	-	-	3	-	-	-	-	5	1	1	-	-	1	-	-	-
20 TO 99 EMPLOYEES	6	3	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	3	1	-	-	-	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	4	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEBSTER PARISH	105	5	-	-	2	61	3	2	5	3	1	2	-	6	1	2	4	1	5	-	1	1
1 TO 19 EMPLOYEES	87	2	-	-	-	60	3	-	5	2	-	2	-	5	-	1	3	1	2	-	-	1
20 TO 99 EMPLOYEES	11	3	-	-	1	-	-	-	-	1	1	-	-	1	1	1	-	-	1	-	1	-
100 TO 249 EMPLOYEES	6	-	-	-	1	1	-	1	-	-	-	-	-	-	-	-	-	-	2	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST BATON ROUGE PARISH	14	5	-	-	-	-	-	-	1	4	-	-	-	-	-	2	2	-	-	-	-	-
1 TO 19 EMPLOYEES	4	1	-	-	-	-	-	-	1	1	-	-	-	-	-	1	1	-	-	-	-	-
20 TO 99 EMPLOYEES	9	4	-	-	-	-	-	-	-	3	-	-	-	-	-	1	1	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST CARROLL PARISH	8	3	-	-	-	-	-	-	1	1	-	-	-	1	1	1	-	-	-	-	-	-
1 TO 19 EMPLOYEES	5	2	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST FELICIANA PARISH	10	2	-	-	-	4	-	2	-	-	-	-	-	2	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	5	1	-	-	-	3	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	3	1	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WINN PARISH	67	-	-	-	1	60	-	-	2	2	-	-	-	1	-	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES	54	-	-	-	-	50	-	-	2	-	-	-	-	1	-	-	1	-	-	-	-	-
20 TO 99 EMPLOYEES	9	-	-	-	1	6	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: Data on number of establishments by employment size class by 4-digit SIC industry for States, parishes, and selected cities are presented in Location of Manufacturing Plants data series. This series is available only on computer tape (see introduction).

- Represents zero.

¹Only those counties and size classes that include data for manufacturing establishments are shown.

Maine

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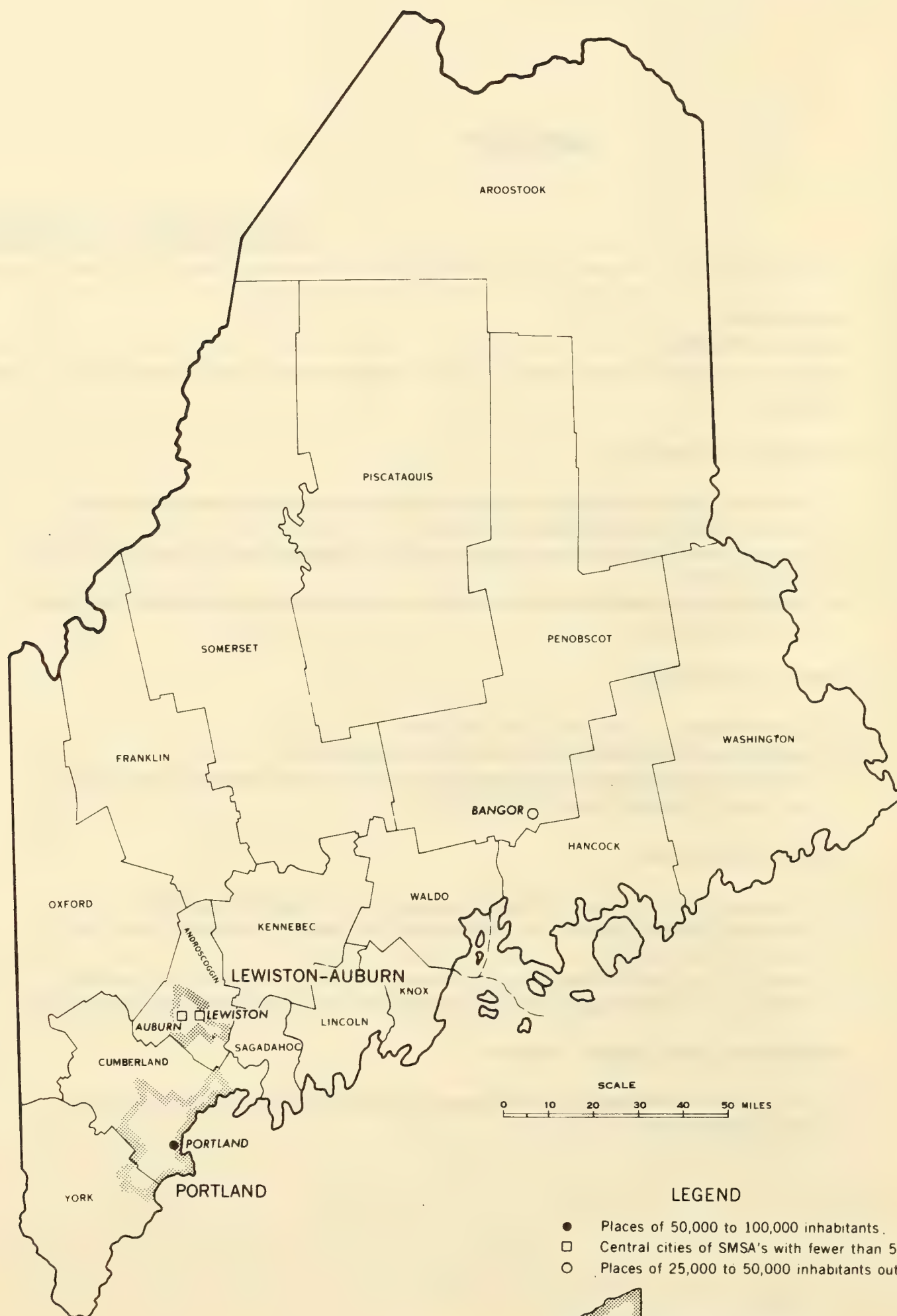
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MAINE



SUMMARY OF FINDINGS

In 1977, 102.8 thousand persons were employed in Maine's manufacturing establishments. This figure represented an increase of 3 percent from the 1972 figure of 100.0 thousand workers.

The total value added by manufacture for the State amounted to \$2,343 million in 1977, an increase of approximately 69 percent from the 1972 figure of \$1,383 million. All dollar figures in this report are in current dollars and are, therefore, not adjusted for changes in price levels.

In the State, the most important industry groups ranked by employment were leather and leather products, paper and allied products, lumber and wood products, and food and kindred products. They accounted for approximately 58 percent of the State's 1977 employment. These same industry groups were in the forefront for 1972 when they accounted for approximately 60 percent of the State's employment.

The most important counties in the State, ranked by employment were Cumberland, Penobscot, Androscoggin, and York. They accounted for approximately 54 percent of the State's 1977 manufacturing employment. In 1972 these same counties accounted for approximately 52 percent of the State's employment.

The methods of data collection and use of administrative records data are discussed in detail in the Introduction. Small single-unit companies with up to 20 employees (the cutoff varied by industry) were excluded from the mail portion of the census. For these establishments (and a small number of larger establishments whose reports were not received in time to be tabulated), statistics on payrolls and receipts were obtained from administrative records of other government agencies. Other statistics were developed from industry averages. For this State, these establishments accounted for 3 percent of the total value of shipments.

Table 1. Historical Employment Statistics for Operating Manufacturing Establishments and Central Administrative Offices: 1977 and Earlier Years

(For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

State, standard metropolitan statistical area, and year	All establishments		Operating manufacturing establishments		Central administrative offices and auxiliaries ¹	
	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)
Maine:						
1977.....	102.8	1,077.6	101.9	1,063.9	.9	13.7
1972.....	100.0	699.4	(D)	(D)	(D)	(D)
1967.....	110.8	577.2	110.2	572.1	.6	5.1
1963.....	99.9	438.6	99.2	433.8	.7	4.8
STANDARD METROPOLITAN STATISTICAL AREAS						
Lewiston-Auburn:						
1977.....	11.9	98.2	(D)	(D)	(D)	(D)
1972.....	10.8	63.4	(D)	(D)	(D)	(D)
1967.....	13.5	60.1	(D)	(D)	(D)	(D)
1963.....	12.5	48.2	(D)	(D)	(D)	(D)
Portland:						
1977.....	15.4	175.2	15.1	171.8	.3	3.4
1972.....	16.3	128.4	(D)	(D)	(D)	(D)
1967.....	14.7	85.7	(D)	(D)	(D)	(D)
1963.....	12.4	63.5	(D)	(D)	(D)	(D)

(D) Withheld to avoid disclosing operations of individual companies.

¹Defined in appendix B. Data for these establishments are included at the total manufacturing level in each table in this report. Data for these establishments are shown separately in tables 5 and 9 included in State, SMSA, county, or city totals in other tables.

**Table 2a. Historical Statistics for the State and Selected Standard Metropolitan Statistical Areas:
1977 and Earlier Years**

Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B.																
Year ¹	Establishments ²		All employees ²		Production workers								Comparative indexes and U.S. employment			
													United States			
	Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)	Value added by manu- facture (million dollars)	Cost of materials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)	Percent of U.S. manufac- turing employ- ment (per- cent)	Index of State em- ploy- ment change (1977= 100)	Index of manufac- turing employ- ment change (1977= 100)	U.S. manu- facturing employ- ment (1,000)	
MAINE																
1977 CENSUS.	2 157	595	102.8	1 077.6	84.2	163.6	781.0	2 343.0	2 845.1	5 144.6	222.9	.52	100	100	19 596.9	
1976 ASM....	(NA)	(NA)	99.0	930.1	81.0	153.7	676.4	2 041.4	2 402.2	4 422.8	507.4	.53	96	96	18 753.0	
1975 ASM....	(NA)	(NA)	93.5	818.2	76.5	146.3	590.9	1 736.7	2 080.2	3 816.3	314.4	.51	91	94	18 302.2	
1974 ASM....	(NA)	(NA)	103.1	814.2	84.8	163.7	600.3	1 768.4	2 108.2	3 839.0	173.2	.52	100	102	19 844.8	
1973 ASM....	(NA)	(NA)	90.5	731.3	82.9	159.9	534.4	1 566.6	1 691.2	3 257.2	111.9	.45	88	102	19 897.9	
1972 CENSUS.	2 075	590	100.0	699.4	82.6	162.2	512.9	1 383.4	1 503.9	2 879.4	138.9	.53	97	98	19 028.7	
1971 ASM....	(NA)	(NA)	95.4	615.6	78.5	151.6	448.7	1 208.3	1 303.3	2 495.2	120.8	.52	93	94	18 363.1	
1970 ASM....	(NA)	(NA)	103.8	630.6	86.4	168.1	471.8	1 230.9	1 215.5	2 443.8	140.2	.54	101	99	19 217.2	
1969 ASM....	(NA)	(NA)	110.9	655.2	92.2	183.7	486.1	1 225.9	1 257.2	2 493.1	103.6	.55	108	103	20 035.5	
1968 ASM....	(NA)	(NA)	112.3	624.5	94.7	187.2	472.0	1 134.3	1 222.9	2 343.4	114.2	.58	109	100	19 527.6	
1967 CENSUS.	2 385	615	110.8	577.2	93.6	186.6	437.3	1 069.5	1 164.9	2 215.5	98.8	.57	108	99	19 323.2	
1966 ASM....	(NA)	(NA)	107.5	533.4	90.6	184.5	405.7	980.3	1 088.6	2 052.7	133.7	.57	105	98	19 024.5	
1965 ASM....	(NA)	(NA)	104.1	491.9	87.6	178.8	374.3	895.1	987.6	1 866.2	113.5	.58	101	92	18 010.2	
1964 ASM....	(NA)	(NA)	101.3	459.4	85.6	173.2	350.6	822.9	911.9	1 720.3	70.7	.59	99	89	17 268.5	
1963 CENSUS.	2 535	594	99.9	438.6	84.1	170.1	335.1	785.7	(NA)	(NA)	62.5	.59	97	87	16 958.4	

(NA) Not available.

¹In annual survey of manufactures (ASM years, data are estimates based on a representative sample of establishments canvassed annually and may differ from results of a complete canvass of all establishments. ASM publication shows percentage standard errors. Unless otherwise noted, for data prior to 1963, see 1963 Census of Manufactures, vol. III, table 1 of State chapter.

²Including central administrative offices and auxiliaries (for definition, see appendix B).

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

**Table 2b. Selected Operating Ratios for the State and Selected Standard Metropolitan Statistical Areas:
1977 and Earlier Years**

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials as percent of value of shipments (percent)	Cost of materials and payroll as percent of value of shipments (percent)	Value added per employee (dollars)	Payroll as percent of value added (percent)	Value added per production worker hour (dollars)
MAINE									
1977 CENSUS.....	10 486	82	1 942	4.77	55	76	22 801	46	14.32
1976 ASM.....	9 395	82	1 898	4.40	54	75	20 620	46	13.28
1975 ASM.....	8 751	82	1 912	4.04	55	76	18 574	47	11.87
1974 ASM.....	7 897	82	1 930	3.67	55	76	17 152	46	10.80
1973 ASM.....	8 081	92	1 929	3.34	52	74	17 310	47	9.80
1972 CENSUS.....	6 994	83	1 964	3.16	52	77	13 834	51	8.53
1971 ASM.....	6 453	82	1 931	2.96	52	77	12 666	51	7.97
1970 ASM.....	6 075	83	1 946	2.81	50	76	11 858	51	7.32
1969 ASM.....	5 908	83	1 992	2.65	50	77	11 054	53	6.67
1968 ASM.....	5 561	84	1 977	2.52	52	79	10 101	55	6.06
1967 CENSUS.....	5 209	84	1 994	2.34	53	79	9 653	54	5.73
1966 ASM.....	4 962	84	2 036	2.20	53	79	9 119	54	5.31
1965 ASM.....	4 725	84	2 041	2.09	53	79	8 598	55	5.01
1964 ASM.....	4 535	85	2 023	2.02	53	80	8 123	56	4.75
1963 CENSUS.....	4 390	84	2 023	1.97	(NA)	(NA)	7 865	56	4.62

Note: For qualifications to data, see footnotes on table 2a.

(NA) Not available.

Table 3a. Summary Statistics for the State: 1977 and 1972

[For explanation of terms, see appendix B]

Item	Unit of measure	1977	1972
All establishments ¹ -----	number-----	2 157	2 075
With 1 to 19 employees-----	do-----	1 562	1 489
With 20 to 99 employees-----	do-----	351	349
With 100 employees or more-----	do-----	244	237
All employees, average for year ¹ -----	1,000-----	102.8	99.5
Payroll for year, all employees ¹ -----	mil. dollars--	1 077.6	696.2
Production workers:			
Average for year-----	1,000-----	84.2	82.2
March-----	do-----	80.9	80.1
May-----	do-----	82.8	82.1
August-----	do-----	87.7	84.5
November-----	do-----	85.3	82.1
Hours-----	millions-----	163.6	161.5
January to March-----	do-----	39.5	39.5
April to June-----	do-----	41.6	41.2
July to September-----	do-----	40.8	40.1
October to December-----	do-----	41.8	40.7
Wages-----	mil. dollars--	781.0	510.4
Cost of materials, etc. ² -----	do-----	2 845.1	1 499.4
Materials, parts, containers, etc., consumed-----	do-----	2 412.6	1 301.3
Resales-----	do-----	100.5	76.0
Fuels consumed-----	do-----	174.5	47.8
Purchased electric energy-----	do-----	64.8	29.6
Contract work-----	do-----	92.7	44.7
Value of shipments, including resales ² -----	do-----	5 144.6	2 862.8
Value of resales-----	do-----	119.8	89.2
Value added by manufacture-----	do-----	2 342.0	1 375.7
Manufacturers' inventories:			
Beginning of year-----	do-----	555.2	357.4
Finished products-----	do-----	180.4	133.9
Work in process-----	do-----	125.5	81.0
Materials, supplies, fuel, etc.-----	do-----	249.3	142.5
End of year-----	do-----	633.8	365.1
Finished products-----	do-----	207.7	132.3
Work in process-----	do-----	146.3	92.5
Materials, supplies, fuel, etc.-----	do-----	279.8	140.3
Capital expenditures for plant and equipment-----	do-----	232.9	144.3
New capital expenditures-----	do-----	222.9	138.5
New buildings and other structures-----	do-----	32.3	28.4
New machinery and equipment-----	do-----	190.6	110.0
Used capital expenditures-----	do-----	9.9	5.8

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies.

¹Including central administrative offices and auxiliaries (for definition, see appendix B).

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 3b. Supplemental State Statistics Based on Sample Estimates: 1977

(For explanation of terms, see appendix B. For description of annual survey of manufactures (ASM), see appendix F)

Item	Amount (million dollars)	Standard error of estimate (percent)	Item	Amount (million dollars)	Standard error of estimate (percent)
Gross value of depreciable assets:			Rental payments:		
Total:			Total.....	42.6	8
Beginning of year.....	2,522.4	1	Buildings and other structures.....	8.1	10
New capital expenditures.....	220.9	3	Machinery and equipment.....	34.5	11
Used capital expenditures.....	9.1	11			
Retirements.....	79.3	7	Depreciation charges during 1977:		
End of year.....	2,673.1	1	Total.....	181.7	3
Buildings and other structures:			Buildings and other structures.....	44.2	3
Beginning of year.....	507.5	2	Machinery and equipment.....	137.5	3
New capital expenditures.....	29.2	8			
Used capital expenditures.....	2.8	8	Supplemental labor costs:		
Retirements.....	11.7	14	Total.....	182.9	2
End of year.....	527.8	2	Legal costs.....	91.0	1
Machinery and equipment:			Voluntary costs.....	91.9	2
Beginning of year.....	2,014.8	1			
New capital expenditures.....	191.7	3	Purchased services:		
Automobiles, trucks, etc., for highway use..	9.4	(NA)	Cost of purchased services for the repair of--		
Computers and peripheral data processing equip.	2.6	(NA)	Buildings and other structures.....	(7.0)	15
All other.....	156.0	(NA)	Response coverage ratio (percent).....	58	(X)
New machinery and equipment, n.s.k.....	23.6	(NA)	Machinery.....	(32.7)	21
Used capital expenditures.....	6.4	14	Response coverage ratio (percent).....	58	(X)
Retirements.....	67.6	7	Cost of purchased communication services.....	9.5	13
End of year.....	2,145.3	1	Response coverage ratio (percent).....	57	(X)

Note: Expenditures data, shown in tables 2a, 3a, and 4-8, are census universe figures and may differ from ASM sample estimates shown in this table. Table 3b figures represent best estimate of year-to-year change as measured by continuing ASM sample, but are subject to sampling errors. Hence, as estimates of level, they are not as reliable as universe figures.

Figures in parentheses have standard errors of 15 percent or more. (NA) Not available. n.s.k. Not specified by kind.

(X) Not applicable.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities and Towns: 1977 and 1972

[Includes cities with 450 manufacturing employees or more. For definitions of SCSSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area		1977										1972		
		All establishments ²		All employees ²		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
		Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)						
E ¹														
Maine -----	-	2 157	595	102.8	1 077.6	84.2	163.6	781.0	2 343.0	2 845.1	5 144.6	222.9	100.0	1 383.4
STANDARD METROPOLITAN STATISTICAL AREAS														
Lewiston-Auburn -----	-	175	71	11.9	98.2	10.0	18.4	72.1	221.2	206.5	423.9	8.7	10.8	117.3
Portland -----	-	273	96	15.4	175.2	11.3	22.2	106.7	381.6	388.4	752.4	23.8	16.3	271.8
COUNTIES														
Androscoggin -----	-	210	77	12.9	106.7	10.8	20.1	78.9	238.0	226.4	460.4	9.4	11.6	127.5
Aroostook -----	-	182	48	6.2	65.3	5.3	10.5	52.6	150.0	252.2	402.7	15.0	6.4	89.8
Cumberland -----	-	336	114	16.8	185.7	12.6	24.4	114.3	400.7	394.3	778.6	27.0	17.4	284.1
Franklin -----	-	98	26	4.9	59.9	4.3	8.4	44.7	124.5	142.6	262.8	(D)	4.5	72.8
Hancock -----	-	102	12	2.4	29.9	2.0	3.9	25.0	85.5	114.1	199.3	6.9	2.1	38.1
Kennebec -----	-	126	40	9.9	99.9	8.1	15.7	76.9	243.7	317.9	561.4	20.7	10.6	154.0
Knox -----	-	86	20	2.4	22.6	1.9	3.2	14.4	51.0	64.0	113.4	4.8	2.5	36.0
Lincoln -----	E2	63	6	0.6	6.2	0.5	1.0	4.7	9.7	12.0	21.7	0.9	0.7	6.7
Oxford -----	-	181	36	6.2	68.6	5.2	10.5	51.4	144.8	151.8	295.6	14.8	5.8	79.4
Penobscot -----	-	204	67	14.3	170.1	11.5	23.5	121.0	424.1	479.3	898.2	41.9	11.7	178.8
Piscataquis -----	E2	65	14	1.4	12.7	1.3	2.5	10.7	20.1	20.8	39.7	3.6	1.9	24.9
Sagadahoc -----	-	26	8	4.7	59.3	4.1	7.4	44.0	100.0	111.0	212.2	(D)	3.9	63.4
Somerset -----	-	133	30	4.5	44.1	3.7	7.1	32.7	80.3	119.4	194.9	18.5	4.8	43.4
Waldo -----	-	50	13	2.2	17.7	1.9	3.3	12.9	36.8	80.9	118.2	2.3	2.1	19.9
Washington -----	E1	89	18	2.1	23.8	1.8	3.7	18.5	18.1	121.7	140.4	(D)	2.6	29.2
York -----	-	206	66	11.2	105.0	9.4	18.4	78.1	215.7	236.8	445.0	13.0	11.4	135.5
CITIES AND TOWNS														
Auburn -----	-	89	21	3.7	33.7	2.9	5.5	22.7	87.2	77.6	163.6	3.9	(D)	(D)
Augusta -----	-	26	9	2.6	24.2	2.2	4.3	18.6	41.8	82.3	124.0	(D)	3.3	27.1
Bangor -----	-	44	16	2.3	23.8	1.6	3.0	14.4	49.7	40.9	89.3	2.5	1.9	28.4
Bath -----	-	11	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Belfast -----	-	18	9	1.7	13.1	1.5	2.7	10.2	22.5	53.3	76.2	0.9	1.7	14.6
Biddeford -----	-	40	18	2.7	25.0	2.1	4.2	17.6	48.6	45.1	91.4	2.6	2.1	16.4
Brewer -----	E1	14	9	1.4	14.3	1.1	2.3	9.2	33.4	42.6	75.2	3.9	1.0	13.8
Brunswick town -----	-	27	6	1.1	7.9	0.9	1.7	6.1	15.5	10.6	26.0	1.1	1.5	14.9
Camden town -----	-	17	4	0.5	4.1	0.4	0.7	2.6	8.1	3.0	10.8	0.2	0.5	4.3
Dexter town -----	-	7	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
East Millinocket town -----	-	1	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Farmington town -----	E1	16	6	0.8	5.8	0.7	1.2	4.8	10.6	6.9	16.1	0.8	0.6	4.4
Gardiner -----	-	15	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.9	13.5
Gorham town -----	E1	18	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Houlton town -----	E2	22	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Kennebunk town -----	E1	14	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Lewiston -----	-	90	43	7.3	56.4	6.2	11.2	42.8	108.5	119.7	226.9	4.1	6.8	62.6
Lincoln town -----	-	17	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Lisbon town -----	-	16	7	0.9	8.0	0.8	1.7	6.6	25.5	9.1	33.3	0.7	(NA)	(NA)
Madawaska town -----	-	9	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Millinocket town -----	-	8	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Old Town -----	-	16	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.4	11.7
Pittsfield town -----	-	13	7	1.0	7.9	0.8	1.4	5.3	13.9	8.7	22.3	0.4	(D)	(D)
Portland -----	-	123	39	5.1	55.3	3.6	6.8	32.3	132.1	148.8	278.8	6.2	5.7	93.6
Presque Isle -----	-	28	12	2.0	15.2	1.7	3.3	11.6	25.8	44.4	70.7	2.8	2.0	23.8
Rockland -----	-	26	12	1.5	12.8	1.2	1.8	8.2	34.9	47.1	80.6	3.5	1.6	22.3
Rumford town -----	-	14	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Saco -----	-	23	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.9	22.7
Sanford town -----	-	41	20	3.5	29.9	3.0	5.7	23.1	66.9	61.7	126.4	5.5	3.3	46.2
Skowhegan town -----	-	34	7	1.1	13.6	1.0	1.8	9.6	23.0	47.8	65.9	(D)	1.3	8.2
South Portland -----	-	27	16	2.4	30.4	1.6	3.6	16.3	54.8	45.5	101.0	5.8	3.4	81.5
Waterville -----	-	19	6	2.8	28.4	2.1	4.0	21.4	83.1	61.9	146.9	4.3	2.8	50.3
Westbrook -----	-	21	9	3.9	50.8	2.9	5.7	30.9	115.8	99.9	203.9	(D)	3.7	54.5
Winslow town -----	-	8	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Including central administrative offices and auxiliaries (for definition, see appendix B).

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	All industries - - - - -	-	2 157	595	102.8	1 077.6	84.2	163.6	781.0	2 343.0	2 845.1	5 144.6	222.9	99.5	1 375.7
20	Food and kindred products - - - - -	-	226	77	10.3	94.3	7.9	14.8	59.1	222.4	494.8	716.6	19.7	11.8	165.0
201	Meat products - - - - -	-	19	9	2.4	21.4	2.0	3.9	15.8	37.8	135.8	173.9	3.2	2.5	21.7
2013	Sausages and other prepared meats - - - - -	-	5	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.3	4.0
2016	Poultry dressing plants - - - - -	-	6	5	1.9	16.2	1.7	3.3	13.0	27.3	101.2	128.9	(D)	EE	(D)
202	Dairy products - - - - -	E1	39	10	0.8	9.9	0.4	0.8	4.6	18.0	73.2	91.2	1.8	1.2	21.1
2024	Ice cream and frozen desserts - - - - -	-	7	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2026	Fluid milk - - - - -	E1	31	8	0.6	7.9	0.3	0.6	3.1	14.4	63.1	77.5	(D)	EE	(D)
203	Preserved fruits and vegetables - - - - -	-	31	13	2.5	20.2	2.2	4.3	16.1	45.9	88.7	134.5	5.4	3.1	47.5
2032	Canned specialties - - - - -	-	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2033	Canned fruits and vegetables - - - - -	E1	10	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2034	Dehydrated fruits, vegetables, and soups - - - - -	-	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2037	Frozen fruits and vegetables - - - - -	-	10	7	1.7	13.8	1.6	3.0	11.3	20.4	44.5	64.9	(D)	2.3	33.5
204	Grain mill products - - - - -	-	13	4	0.3	3.1	0.2	0.4	2.1	8.9	64.8	73.7	0.8	BB	(D)
2048	Prepared feeds, n.e.c. - - - - -	-	10	2	0.2	1.4	0.1	0.2	0.8	3.7	55.9	59.9	0.2	BB	(D)
205	Bakery products - - - - -	-	31	7	1.7	19.2	1.0	2.0	8.4	46.2	37.5	83.7	1.8	1.5	29.4
2051	Bread, cake, and related products - - - - -	-	31	7	1.7	19.2	1.0	2.0	8.4	46.2	37.5	83.7	1.8	1.5	29.4
207	Fats and oils - - - - -	-	8	3	0.3	2.6	0.2	0.5	1.9	10.2	5.4	15.4	(D)	AA	(D)
2077	Animal and marine fats and oils - - - - -	-	6	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
208	Beverages - - - - -	E1	16	6	0.3	3.3	0.2	0.3	1.1	12.1	20.0	32.0	(D)	0.3	8.1
2086	Bottled and canned soft drinks - - - - -	-	14	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
209	Miscellaneous foods and kindred products - - - - -	-	63	25	2.1	14.3	1.7	2.6	8.9	42.4	67.4	109.3	4.1	2.5	22.9
2091	Canned and cured seafoods - - - - -	-	23	15	1.2	6.1	1.0	1.4	4.6	25.1	25.7	50.8	(D)	1.4	12.2
2092	Fresh or frozen packaged fish - - - - -	-	29	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.8	7.0
2099	Food preparations, n.e.c. - - - - -	-	11	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
22	Textile mill products - - - - -	-	55	42	9.2	78.7	8.3	17.1	66.3	168.4	189.8	351.1	7.0	8.9	89.8
2211	Weaving mills, cotton - - - - -	-	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2221	Weaving mills, manmade fiber and silk - - - - -	-	8	8	1.3	13.0	1.2	2.6	11.4	23.8	14.3	36.8	(D)	1.5	10.8
2231	Weaving and finishing mills, wool - - - - -	-	11	9	3.1	27.4	2.7	5.8	22.7	58.4	77.9	136.4	1.8	2.8	36.7
2241	Narrow fabric mills - - - - -	-	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
225	Knitting mills - - - - -	-	5	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2253	Knit outerwear mills - - - - -	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
228	Yarn and thread mills - - - - -	-	13	10	1.2	8.8	1.1	2.3	7.9	23.0	17.0	39.1	0.3	1.0	7.7
2281	Yarn mills, except wool - - - - -	E1	7	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2283	Wool yarn mills - - - - -	-	5	4	0.5	3.5	0.5	1.0	2.9	5.4	13.8	19.2	(D)	CC	(D)
229	Miscellaneous textile goods - - - - -	-	10	7	1.1	9.5	1.0	2.0	8.0	24.4	31.8	51.6	1.2	CC	(D)
2294	Processed textile waste - - - - -	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2297	Nonwoven fabrics - - - - -	-	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2298	Cordage and twine - - - - -	-	5	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
23	Apparel and other textile products - - - - -	-	43	21	3.5	24.8	3.1	5.3	18.9	64.6	36.5	102.4	1.1	3.5	41.9
2311	Men's and boys' suits and coats - - - - -	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
232	Men's and boys' furnishings - - - - -	-	4	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2321	Men's and boys' shirts and nightwear - - - - -	-	3	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
233	Women's and misses' outerwear - - - - -	-	6	4	0.3	1.9	0.2	0.4	1.5	2.9	0.7	3.7	(D)	0.5	2.3
236	Children's outerwear - - - - -	-	5	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2361	Children's dresses and blouses - - - - -	-	5	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
238	Miscellaneous apparel and accessories - - - - -	-	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2384	Robes and dressing gowns - - - - -	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
239	Miscellaneous fabricated textile products - - - - -	E1	21	2	0.2	1.2	0.1	0.2	0.7	2.1	2.0	4.1	(D)	0.2	1.4

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
24	Lumber and wood products -----	E1	858	129	12.7	126.6	11.1	21.1	100.5	265.5	293.5	556.5	36.7	12.4	148.9
2411	Logging camps and logging contractors -----	E1	543	36	4.3	53.2	3.8	6.9	43.0	134.1	135.8	268.3	17.8	3.8	52.9
242	Sawmills and planing mills -----	-	172	34	3.2	32.8	2.8	5.8	26.2	63.8	94.6	158.4	12.2	FF	(D)
2421	Sawmills and planing mills, general -----	-	152	29	2.9	30.0	2.5	5.1	23.8	59.2	90.0	149.3	11.7	EE	(D)
2426	Hardwood dimension and flooring -----	-	12	5	0.3	2.7	0.3	0.6	2.2	4.1	4.4	8.5	0.3	BB	(D)
243	Millwork, plywood, and structural members -----	E1	22	9	0.6	5.8	0.5	1.0	3.8	8.6	10.5	18.8	0.5	CC	(D)
2431	Millwork -----	E3	11	5	0.2	1.4	0.1	0.3	1.1	2.1	3.3	5.3	0.1	(NA)	(NA)
2434	Wood kitchen cabinets -----	-	6	1	0.2	2.2	0.1	0.2	0.9	2.6	2.4	4.9	(D)	(NA)	(NA)
2435	Hardwood veneer and plywood -----	-	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
244	Wood containers -----	E2	19	4	0.2	1.2	0.2	0.3	1.0	2.3	2.2	4.5	0.1	0.2	1.6
245	Wood buildings and mobile homes -----	E2	11	8	0.4	3.8	0.3	0.5	2.2	9.3	12.6	22.6	1.3	BB	(D)
2452	Prefabricated wood buildings -----	E1	7	6	0.3	2.8	0.2	0.4	1.5	7.3	9.0	17.0	(D)	BB	(D)
249	Miscellaneous wood products --	-	91	38	4.0	29.8	3.6	6.6	24.3	47.4	37.7	83.9	4.8	4.7	43.7
2499	Wood products, n.e.c. -----	-	90	37	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
25	Furniture and fixtures -	-	35	12	1.1	10.9	0.9	2.0	7.0	19.5	15.6	35.3	0.8	0.8	9.5
251	Household furniture -----	-	29	10	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	5.8
2511	Wood household furniture ---	-	25	9	0.8	6.8	0.7	1.4	4.8	13.2	7.7	21.2	0.4	BB	(D)
2531	Public building and related furniture -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
26	Paper and allied products -----	-	56	36	17.2	273.5	13.8	29.7	208.3	683.0	986.8	1 661.6	106.5	16.6	343.8
2611	Pulp mills -----	-	4	4	1.8	29.7	1.5	3.4	23.3	40.7	150.9	186.5	24.6	(NA)	(NA)
2621	Paper mills, except building paper -----	-	14	14	12.1	205.2	9.7	21.0	153.9	522.0	702.8	1 222.6	75.5	11.6	248.5
264	Miscellaneous converted paper products -----	-	19	10	2.6	30.8	2.0	4.2	25.9	103.7	108.2	210.9	5.3	2.3	53.3
2646	Pressed and molded pulp goods -----	-	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2647	Sanitary paper products -----	-	4	3	1.2	14.7	1.0	2.0	12.2	59.8	71.0	130.1	(D)	EE	(D)
265	Paperboard containers and boxes -----	-	16	5	0.5	4.8	0.4	0.7	3.1	10.0	18.1	28.2	(D)	0.5	6.4
2653	Corrugated and solid fiber boxes -----	-	5	4	0.3	3.4	0.2	0.5	2.2	7.3	14.9	22.2	(D)	0.3	3.8
2661	Building paper and board mills -	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
27	Printing and publishing -----	E1	185	28	2.9	31.7	1.7	2.9	16.2	61.0	22.7	83.6	4.6	2.8	40.9
2711	Newspapers -----	E1	55	11	1.9	22.0	0.9	1.5	9.9	41.4	11.8	53.1	3.4	1.9	26.1
275	Commercial printing -----	E2	94	13	0.7	7.0	0.6	1.1	4.8	12.7	7.3	20.1	1.0	0.7	11.1
2751	Commercial printing, letterpress -----	E3	49	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	7.4
2752	Commercial printing, lithographic -----	E1	43	10	0.5	4.3	0.3	0.6	3.0	7.2	4.8	12.0	0.8	0.3	3.7
28	Chemicals and allied products -----	E1	29	8	0.7	8.8	0.5	0.9	4.5	35.8	39.2	74.1	3.4	0.7	15.6
283	Drugs -----	-	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2833	Medicinals and botanicals ---	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
29	Petroleum and coal products -----	-	11	6	0.4	5.1	0.4	0.8	4.4	10.9	13.5	24.4	0.8	BB	(D)
295	Paving and roofing materials ---	-	11	6	0.4	5.1	0.4	0.8	4.4	10.9	13.5	24.4	0.8	BB	(D)
2951	Paving mixtures and blocks ---	-	11	6	0.4	5.1	0.4	0.8	4.4	10.9	13.5	24.4	0.8	BB	(D)
30	Rubber and miscellaneous plastics products -----	-	42	20	3.9	31.3	3.3	5.9	23.7	60.7	81.9	142.9	6.5	3.5	47.0
3011	Tires and inner tubes -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3021	Rubber and plastics footwear --	E3	3	3	0.8	6.0	0.7	1.3	5.0	7.7	9.5	18.0	(D)	EE	(D)
3069	Fabricated rubber products, n.e.c. -----	E2	8	3	0.2	1.3	0.2	0.3	1.0	4.0	2.1	6.1	0.1	(NA)	(NA)
3079	Miscellaneous plastics products -----	-	30	13	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.6	32.1

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	E ¹	1977											1972	
			All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
31	Leather and leather products -----	-	99	73	19.5	148.8	17.3	31.3	112.8	283.4	307.5	585.3	6.1	19.8	182.4
3111	Leather tanning and finishing --	-	13	8	2.0	21.5	1.7	3.4	15.4	46.3	93.2	138.2	(D)	1.9	25.5
3131	Boot and shoe cut stock and findings -----	-	14	10	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
314	Footwear, except rubber -----	-	68	53	15.8	114.7	14.2	25.4	87.8	218.7	191.8	406.5	(D)	16.7	145.0
3142	House slippers -----	-	5	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	3.3
3143	Men's footwear, except athletic -----	-	21	17	5.7	42.7	5.1	9.1	32.6	89.8	85.9	175.4	1.2	7.1	70.0
3144	Women's footwear, except athletic -----	-	30	26	8.2	57.8	7.3	13.3	44.3	101.2	83.7	180.1	(D)	8.0	56.2
3149	Footwear, except rubber, n.e.c. -----	-	12	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.3	15.4
317	Handbags and other personal leather goods -----	-	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3171	Women's handbags and purses -----	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
32	Stone, clay, and glass products -----	-	68	20	1.2	14.4	0.9	1.8	9.4	23.8	31.2	55.4	3.2	1.2	22.0
3241	Cement, hydraulic -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
327	Concrete, gypsum, and plaster products -----	-	41	13	0.6	7.2	0.5	1.1	5.3	12.9	16.5	29.5	1.8	CC	(D)
3272	Concrete products, n.e.c. -----	-	18	5	0.2	2.8	0.2	0.4	1.8	5.7	6.6	12.5	0.4	BB	(D)
3273	Ready-mixed concrete -----	E1	21	8	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	7.8
329	Miscellaneous nonmetallic mineral products -----	E2	6	1	0.2	2.0	0.1	0.2	0.8	4.0	3.3	7.3	(D)	(NA)	(NA)
3293	Gaskets, packing, and sealing devices -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
33	Primary metal industries -----	E1	13	4	0.4	4.8	0.3	0.6	3.2	11.0	10.4	20.2	1.0	CC	(D)
335	Nonferrous rolling and drawing --	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3356	Nonferrous rolling and drawing, n.e.c. -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
34	Fabricated metal products -----	-	86	27	2.8	31.2	2.0	4.2	22.1	61.8	54.5	114.7	4.4	2.4	37.4
344	Fabricated structural metal products -----	-	40	10	1.0	11.0	0.6	1.3	6.0	22.0	22.5	44.5	0.8	CC	(D)
3441	Fabricated structural metal --	-	8	5	0.4	4.9	0.3	0.6	3.0	9.9	9.4	19.3	0.4	0.5	9.1
3444	Sheet metal work -----	-	17	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	2.8
3449	Miscellaneous metal work -----	-	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
346	Metal forgings and stampings --	-	5	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3462	Iron and steel forgings -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
348	Ordinance and accessories, n.e.c. -----	-	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3484	Small arms -----	-	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
349	Miscellaneous fabricated metal products -----	E1	19	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3494	Valves and pipe fittings -----	-	4	2	0.4	3.9	0.3	0.5	2.8	6.0	6.8	12.2	(D)	(NA)	(NA)
35	Machinery, except electrical -----	-	114	31	3.9	49.6	2.8	5.7	29.6	125.9	71.0	179.1	8.9	2.5	46.1
351	Engines and turbines -----	-	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3511	Turbines and turbine generator sets -----	-	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
353	Construction and related machinery -----	-	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3531	Construction machinery -----	-	3	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
354	Metalworking machinery -----	-	23	10	0.7	7.6	0.5	1.1	5.5	20.4	7.9	26.0	0.7	0.3	4.5
3541	Machine tools, metal cutting types -----	-	6	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3544	Special dies, tools, jigs, and fixtures -----	E1	11	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
355	Special industry machinery -----	-	18	6	0.5	6.2	0.3	0.6	3.5	11.1	8.1	18.4	0.3	0.6	7.7
3554	Paper industries machinery --	-	5	3	0.3	4.0	0.2	0.4	2.2	7.4	4.5	11.9	(D)	AA	(D)
3559	Special industry machinery, n.e.c. -----	E1	8	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
356	General industrial machinery --	-	4	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3561	Pumps and pumping equipment -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3567	Industrial furnaces and ovens -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
357	Office and computing machines -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3573	Electronic computing equipment -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
359	Miscellaneous machinery, except electrical -----	E1	55	7	0.4	5.4	0.3	0.6	3.5	9.7	5.4	14.7	1.1	0.2	2.7
3599	Machinery, except electrical, n.e.c. -----	E1	55	7	0.4	5.4	0.3	0.6	3.5	9.7	5.4	14.7	1.1	0.2	2.7

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]															
SIC code	Industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
36	Electric and electronic equipment -	-	43	27	5.7	55.3	4.7	9.3	40.7	118.1	74.0	193.3	7.4	FF	(D)
361	Electric distributing equipment -	-	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3613	Switchgear and switchboard apparatus -	-	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
363	Household appliances -	-	4	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3636	Sewing machines -	-	4	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
364	Electric lighting and wiring equipment -	-	5	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3643	Current-carrying wiring devices -	-	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
365	Radio and TV receiving equipment -	-	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3652	Phonograph records and prerecorded tape -	-	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
366	Communication equipment -	-	6	4	0.4	4.9	0.3	0.7	3.3	9.1	8.3	17.7	(D)	0.6	8.8
3662	Radio and TV communication equipment -	-	6	4	0.4	4.9	0.3	0.7	3.3	9.1	8.3	17.7	(D)	0.6	8.8
367	Electronic components and accessories -	-	17	13	2.6	23.6	2.2	4.4	17.0	49.3	25.4	78.6	3.1	3.5	73.2
3674	Semiconductors and related devices -	-	3	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3675	Electronic capacitors -	-	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3676	Electronic resistors -	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3679	Electronic components, n.e.c. -	-	10	8	0.6	5.3	0.5	1.1	3.8	13.2	3.8	16.6	(D)	BB	(D)
369	Miscellaneous electrical equipment and supplies -	-	4	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3699	Electrical equipment and supplies, n.e.c. -	-	4	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
37	Transportation equipment -	-	85	12	4.4	58.6	3.8	7.1	43.1	98.5	97.6	196.0	3.0	FF	(D)
373	Ship and boat building and repairing -	-	78	9	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3731	Ship building and repairing -	-	21	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3732	Boat building and repairing -	E2	57	6	0.4	3.7	0.3	0.7	2.8	7.0	5.7	12.7	0.5	BB	(D)
38	Instruments and related products -	E1	22	5	0.4	4.5	0.3	0.5	2.8	9.1	6.4	15.0	0.9	0.3	3.6
3811	Engineering and scientific instruments -	-	7	3	0.3	3.5	0.2	0.4	2.1	7.3	5.1	11.9	(D)	AA	(D)
39	Miscellaneous manufacturing industries -	-	69	11	1.5	10.9	1.3	2.5	8.4	19.7	18.2	37.4	0.8	0.9	8.1
394	Toys and sporting goods -	-	26	6	0.7	4.7	0.6	1.1	3.5	10.5	9.3	19.5	(D)	0.4	3.6
3949	Sporting and athletic goods, n.e.c. -	-	16	5	0.6	4.0	0.5	0.9	3.0	9.3	8.7	17.7	(D)	BB	(D)
399	Miscellaneous manufactures -	-	32	4	0.8	5.8	0.7	1.3	4.7	8.4	8.3	16.4	(D)	0.5	3.6
3991	Brooms and brushes -	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3999	Manufacturing industries, n.e.c. -	-	16	3	0.4	3.6	0.4	0.8	3.0	5.1	7.3	12.2	(D)	(NA)	(NA)
-	Administrative and auxiliary -	-	17	6	0.9	13.7	-	-	-	-	-	-	-	CC	(D)

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹ Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
² Statistics for some industry groups and industries are withheld to avoid disclosing figures for individual companies. However, for such industry groups and industries with 150 employees or more, number of establishments is shown and employment size range is indicated by one of the following symbols: AA—150 to 249 employees; BB—250 to 499 employees; CC—500 to 999 employees; EE—1,000 to 2,499 employees; FF—2,500 employees or more. Statistics for industry groups shown include data for all component industries, regardless of whether data are shown for individual industries in the group.
³ Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972

[Includes industry groups and industries with 250 employees or more within SMSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Lewiston-Auburn SMSA -----	-	175	71	11.9	98.2	10.0	18.4	72.1	221.2	206.5	423.9	8.7	10.8	117.3
20	Food and kindred products --	-	24	5	1.3	13.1	0.9	1.9	8.0	31.3	51.4	82.7	0.9	0.9	11.9
22	Textile mill products-----	-	11	10	2.0	16.7	1.9	3.8	14.9	44.7	27.0	69.9	1.5	(NA)	(NA)
26	Paper and allied products ---	-	8	4	0.6	6.0	0.5	1.0	4.6	24.9	17.2	40.9	(D)	(NA)	(NA)
27	Printing and publishing -----	-	13	6	0.4	3.8	0.2	0.4	2.0	6.1	2.5	8.6	0.3	0.5	6.4
30	Rubber and miscellaneous plastics products -----	-	12	6	1.8	14.5	1.4	2.7	10.4	25.1	41.0	66.7	1.3	1.6	19.0
31	Leather and leather products-----	-	28	20	3.8	23.4	3.4	5.5	18.2	41.6	37.4	79.0	0.7	4.5	34.3
314	Footwear, except rubber --	-	20	15	3.2	19.0	2.9	4.6	15.0	35.3	31.7	67.6	0.5	(NA)	(NA)
3143	Men's footwear, except athletic -----	-	8	7	1.6	9.1	1.5	2.4	7.7	15.8	20.8	36.8	0.2	1.9	14.4
3144	Women's footwear, except athletic -----	-	6	4	0.8	4.1	0.6	0.9	2.8	6.8	3.5	10.4	(D)	(NA)	(NA)
34	Fabricated metal products ---	E3	12	4	0.3	3.0	0.2	0.4	2.0	7.4	5.0	12.2	0.4	(NA)	(NA)
36	Electric and electronic equipment -----	-	6	3	0.7	7.4	0.6	1.3	6.0	20.6	11.1	31.3	(D)	(NA)	(NA)
	Portland SMSA -----	-	273	96	15.4	175.2	11.3	22.2	106.7	381.6	388.4	752.4	23.8	16.3	271.8
20	Food and kindred products --	-	39	20	2.2	25.9	1.5	3.0	13.3	84.2	129.6	213.4	3.1	2.7	55.3
202	Dairy products -----	-	6	5	0.3	4.6	0.2	0.4	2.3	7.9	27.9	35.8	(D)	(NA)	(NA)
24	Lumber and wood products --	E1	22	3	0.4	3.6	0.3	0.6	2.7	6.7	4.4	10.8	(D)	0.3	4.5
27	Printing and publishing -----	E1	53	9	0.9	10.5	0.5	0.9	5.1	21.5	8.2	29.7	1.5	0.9	14.4
31	Leather and leather products-----	-	13	11	3.1	24.2	2.7	4.9	18.1	46.7	63.6	108.4	0.6	3.0	29.9
35	Machinery, except electrical -	-	25	13	2.2	30.4	1.6	3.3	16.8	76.9	43.0	104.6	6.6	1.4	27.3
355	Special industry machinery -----	-	5	3	0.3	4.0	0.2	0.4	2.3	6.4	4.0	9.4	0.1	(NA)	(NA)

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (S) Withheld because estimate did not meet publication standards.
 (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Androscoggin County -----	-	210	77	12.9	106.7	10.8	20.1	78.9	238.0	226.4	460.4	9.4	11.6	127.5
20	Food and kindred products --	-	27	5	1.3	13.3	0.9	2.0	8.0	31.7	52.2	83.8	0.9	(NA)	(NA)
22	Textile mill products -----	-	11	10	2.0	16.7	1.9	3.8	14.9	44.7	27.0	69.9	1.5	1.6	16.5
26	Paper and allied products ---	-	11	5	0.8	8.4	0.7	1.5	6.7	27.3	27.3	54.0	(D)	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	-	13	7	1.8	15.1	1.5	2.8	10.9	27.9	41.8	70.4	1.4	(NA)	(NA)
31	Leather and leather products -----	-	30	21	4.3	26.3	3.8	6.3	20.9	48.9	41.1	89.1	0.9	(NA)	(NA)
314	Footwear, except rubber ---	-	22	16	3.7	22.0	3.3	5.4	17.7	42.7	35.4	77.7	0.7	4.3	31.8
3143	Men's footwear, except athletic -----	-	8	7	1.6	9.1	1.5	2.4	7.7	15.8	20.8	36.8	0.2	(NA)	(NA)
36	Electric and electronic equipment -----	-	6	3	0.7	7.4	0.6	1.3	6.0	20.6	11.1	31.3	(D)	(NA)	(NA)

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies.
For explanation of terms, see appendix B]

For explanation of terms, see appendix B)															
SIC code	County and industry		1977											1972	
			All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
		E ¹													
	Aroostook County -----	-	182	48	6.2	65.3	5.3	10.5	52.6	150.0	252.2	402.7	15.0	6.4	89.8
20	Food and kindred products --	-	21	9	2.0	17.2	1.7	3.5	13.1	27.1	60.9	87.6	6.0	2.4	35.5
203	Preserved fruits and vegetables -----	-	7	5	1.7	14.1	1.5	3.2	11.3	18.3	43.5	61.8	(D)	2.2	30.8
2411	Logging camps and logging contractors -----	E1	97	14	1.0	12.9	0.9	1.7	11.1	32.8	22.7	55.6	3.1	(NA)	(NA)
242	Sawmills and planing mills --	-	17	4	0.7	7.8	0.6	1.3	6.2	13.9	23.0	37.5	(D)	(NA)	(NA)
	Cumberland County -----	-	336	114	16.8	185.7	12.6	24.4	114.3	400.7	394.3	778.6	27.0	17.4	284.1
24	Lumber and wood products --	E1	45	10	0.7	6.5	0.6	1.1	5.2	12.6	9.1	20.9	1.3	0.6	8.6
27	Printing and publishing -----	-	56	10	1.0	11.3	0.6	0.9	5.4	23.1	8.7	31.8	2.1	(NA)	(NA)
	Franklin County -----	-	98	26	4.9	59.9	4.3	8.4	44.7	124.5	142.6	262.8	(D)	4.5	72.8
249	Miscellaneous wood products -----	-	18	11	1.0	7.2	1.0	1.7	6.3	8.0	10.3	18.1	0.8	(NA)	(NA)
2499	Wood products, n.e.c. ---	-	18	11	1.0	7.2	1.0	1.7	6.3	8.0	10.3	18.1	0.8	(NA)	(NA)
	Hancock County -----	-	102	12	2.4	29.9	2.0	3.9	25.0	85.5	114.1	199.3	6.9	2.1	38.1
	Kennebec County -----	-	126	40	9.9	99.9	8.1	15.7	76.9	243.7	317.9	561.4	20.7	10.6	154.0
20	Food and kindred products --	-	19	6	1.1	10.3	0.9	1.6	7.0	18.7	70.4	89.2	2.9	1.2	12.6
201	Meat products -----	-	5	4	0.8	7.5	0.7	1.2	5.4	14.8	49.6	64.2	2.6	0.9	8.7
22	Textile mill products -----	-	7	7	2.4	20.8	2.1	4.3	16.6	52.3	43.5	95.6	0.7	2.4	28.8
24	Lumber and wood products --	E1	43	4	0.7	7.8	0.6	1.1	6.1	14.2	7.0	20.6	(D)	0.7	5.9
26	Paper and allied products ---	-	7	5	2.6	34.6	2.0	4.1	28.1	90.9	154.8	245.8	(D)	2.7	59.6
31	Leather and leather products -----	-	5	4	0.9	5.4	0.9	1.5	5.2	9.8	12.1	21.7	0.1	1.4	12.3
	Knox County -----	-	86	20	2.4	22.6	1.9	3.2	14.4	51.0	64.0	113.4	4.8	2.5	36.0
20	Food and kindred products --	-	10	6	0.6	4.4	0.5	0.6	2.8	9.8	22.1	31.9	(D)	0.8	9.0
209	Miscellaneous foods and kindred products -----	-	5	5	0.6	3.9	0.5	0.6	2.5	9.1	20.8	29.9	(D)	0.7	6.5
	Lincoln County -----	-	63	6	0.6	6.2	0.5	1.0	4.7	9.7	12.0	21.7	0.9	0.7	6.7
	Oxford County -----	-	181	36	6.2	68.6	5.2	10.5	51.4	144.8	151.8	295.6	14.8	5.8	79.4
24	Lumber and wood products --	E1	136	18	2.0	16.4	1.7	3.0	12.3	30.6	30.8	60.6	4.3	2.3	20.8
249	Miscellaneous wood products -----	E1	18	9	1.1	8.1	0.9	1.7	6.0	13.4	9.2	22.4	1.3	1.7	12.5
2499	Wood products, n.e.c. ---	E1	18	9	1.1	8.1	0.9	1.7	6.0	13.4	9.2	22.4	1.3	(NA)	(NA)
31	Leather and leather products -----	-	4	3	1.0	7.5	0.8	1.6	6.1	14.9	21.6	35.5	(D)	(NA)	(NA)
	Penobscot County -----	-	204	67	14.3	170.1	11.5	23.5	121.0	424.1	479.3	898.2	41.9	11.7	178.8
20	Food and kindred products --	-	13	8	0.5	5.4	0.2	0.5	2.3	14.4	33.9	48.3	1.1	0.6	12.2
22	Textile mill products -----	-	7	5	1.4	10.5	1.3	2.7	8.6	17.6	42.2	58.3	(D)	1.4	13.9
24	Lumber and wood products --	-	100	19	2.4	27.0	2.0	4.2	21.4	68.0	103.7	171.0	8.0	1.7	26.4
242	Sawmills and planing mills --	-	21	6	0.7	7.1	0.6	1.4	6.2	13.8	22.5	36.8	1.5	(NA)	(NA)
26	Paper and allied products ---	-	8	6	4.4	70.3	3.7	7.9	53.3	207.1	208.8	415.7	26.1	3.9	76.0
31	Leather and leather products -----	-	10	5	2.9	25.5	2.5	4.8	18.2	47.9	45.3	93.7	0.8	2.4	25.6
	Piscataquis County -----	-	65	14	1.4	12.7	1.3	2.5	10.7	20.1	20.8	39.7	3.6	1.9	24.9
24	Lumber and wood products --	E1	48	8	0.6	5.3	0.6	1.0	4.4	11.7	12.6	23.3	(D)	0.9	15.9
	Sagadahoc County -----	-	26	8	4.7	59.3	4.1	7.4	44.0	100.0	111.0	212.2	(D)	3.9	63.4
	Somerset County -----	-	133	30	4.5	44.1	3.7	7.1	32.7	80.3	119.4	194.9	18.5	4.8	43.4
24	Lumber and wood products --	E1	82	12	1.1	11.1	1.0	2.0	9.4	22.8	17.4	40.1	1.8	1.5	16.4
249	Miscellaneous wood products -----	-	7	5	0.5	4.2	0.4	0.9	3.5	8.4	5.3	13.9	0.5	0.6	6.3
2499	Wood products, n.e.c. ---	-	7	5	0.5	4.2	0.4	0.9	3.5	8.4	5.3	13.9	0.5	(NA)	(NA)
31	Leather and leather products -----	-	9	6	1.9	14.9	1.6	3.0	10.9	20.2	32.7	53.1	(D)	2.3	16.5
	Waldo County -----	-	50	13	2.2	17.7	1.9	3.3	12.9	36.8	80.9	118.2	2.3	2.1	19.9
	Washington County -----	-	89	18	2.1	23.8	1.8	3.7	18.5	18.1	121.7	140.4	(D)	2.6	29.2
	York County -----	-	206	66	11.2	105.0	9.4	18.4	78.1	215.7	236.8	445.0	13.0	11.4	135.5
22	Textile mill products -----	-	9	7	1.8	16.1	1.6	3.4	14.0	36.3	45.0	78.2	1.1	1.7	13.5

Note: "County" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities and Towns: 1977 and 1972

[Includes cities and towns with 450 employees or more and industry groups and industries with 450 employees or more within cities and towns, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City, town, and industry	1977												1972	
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
31	Auburn -----	-	69	21	3.7	33.7	2.9	5.5	22.7	87.2	77.6	163.6	3.9	(D)	(D)
	Leather and leather products -----	-	9	5	0.5	3.4	0.5	0.8	2.6	6.6	4.5	11.1	0.1	(NA)	(NA)
	Augusta -----	-	26	9	2.6	24.2	2.2	4.3	18.6	41.8	82.3	124.0	(D)	3.3	27.1
	Bangor -----	-	44	16	2.3	23.8	1.6	3.0	14.4	49.7	40.9	89.3	2.5	1.9	28.4
	Belfast -----	-	18	9	1.7	13.1	1.5	2.7	10.2	22.5	53.3	76.2	0.9	1.7	14.6
	Biddeford -----	-	40	18	2.7	25.0	2.1	4.2	17.6	48.6	45.1	91.4	2.6	2.1	16.4
	Brewer -----	-	14	9	1.4	14.3	1.1	2.3	9.2	33.4	42.6	75.2	3.9	1.0	13.8
	Brunswick town -----	-	27	6	1.1	7.9	0.9	1.7	6.1	15.5	10.6	26.0	1.1	1.5	14.9
	Camden town -----	-	17	4	0.5	4.1	0.4	0.7	2.6	8.1	3.0	10.8	0.2	0.5	4.3
	Farmington town -----	-	16	6	0.8	5.8	0.7	1.2	4.8	10.6	6.9	16.1	0.8	0.6	4.4
31	Lewiston -----	-	90	43	7.3	56.4	6.2	11.2	42.8	108.5	119.7	226.9	4.1	6.8	62.6
	Leather and leather products -----	-	19	15	3.3	20.0	2.9	4.7	15.6	35.0	32.8	68.0	0.6	3.2	25.1
	Lisbon town -----	-	16	7	0.9	8.0	0.8	1.7	6.6	25.5	9.1	33.3	0.7	(NA)	(NA)
	Pittsfield town -----	-	13	7	1.0	7.9	0.8	1.4	5.3	13.9	8.7	22.3	0.4	(D)	(D)
	Portland -----	-	123	39	5.1	55.3	3.6	6.8	32.3	132.1	148.8	278.8	6.2	5.7	93.6
20	Food and kindred products --	-	22	9	1.6	18.8	1.0	2.0	9.4	52.6	95.4	148.0	1.7	2.1	40.8
27	Printing and publishing -----	-	32	8	0.8	9.6	0.5	0.8	4.4	19.5	7.3	26.8	1.4	(NA)	(NA)
35	Machinery, except electrical --	-	5	4	0.7	8.3	0.5	1.0	4.6	17.3	7.2	23.4	(D)	0.5	8.8
209	Presque Isle -----	-	28	12	2.0	15.2	1.7	3.3	11.6	25.8	44.4	70.7	2.8	2.0	23.8
	Rockland -----	-	26	12	1.5	12.8	1.2	1.8	8.2	34.9	47.1	80.6	3.5	1.6	22.3
	Miscellaneous foods and kindred products -----	-	5	5	0.6	3.9	0.5	0.6	2.5	9.1	20.8	29.9	(D)	(NA)	(NA)
	Sanford town -----	-	41	20	3.5	29.9	3.0	5.7	23.1	66.9	61.7	126.4	5.5	3.3	46.2
22	Textile mill products -----	E1	5	4	0.7	6.0	0.7	1.3	5.2	12.4	14.3	26.5	0.4	(NA)	(NA)
20	Skowhegan town -----	-	34	7	1.1	13.6	1.0	1.8	9.6	23.0	47.8	65.9	(D)	1.3	8.2
	South Portland -----	-	27	16	2.4	30.4	1.6	3.6	16.3	54.8	45.5	101.0	5.8	3.4	81.5
	Food and kindred products --	-	8	7	0.5	5.0	0.3	0.7	2.6	18.3	18.7	36.5	(D)	(NA)	(NA)
20	Waterville -----	-	19	6	2.8	28.4	2.1	4.0	21.4	83.1	61.9	146.9	4.3	2.8	50.3
	Westbrook -----	-	21	9	3.9	50.8	2.9	5.7	30.9	115.8	99.9	203.9	(D)	3.7	54.5

Note: "City" or "town" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B). - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
MAINE	2157	226	-	55	43	858	35	56	185	29	11	42	99	68	13	86	114	43	86	22	69	17
1 TO 4 EMPLOYEES	1094	89	-	7	14	561	14	9	114	9	1	15	19	25	6	34	55	12	46	10	47	7
5 TO 9 EMPLOYEES	247	35	-	4	4	76	6	5	27	7	2	2	6	11	2	9	16	4	20	6	2	3
10 TO 19 EMPLOYEES	221	25	-	2	4	92	3	6	16	5	2	5	1	12	1	16	12	-	8	1	9	1
20 TO 49 EMPLOYEES	212	29	-	5	6	65	7	5	14	4	3	4	7	15	1	12	14	6	8	2	4	1
50 TO 99 EMPLOYEES	139	17	-	12	6	34	1	6	8	2	2	4	15	3	2	8	8	4	1	2	3	1
100 TO 249 EMPLOYEES	135	21	-	12	5	26	4	6	3	2	1	7	19	2	1	4	5	9	2	1	2	3
250 TO 499 EMPLOYEES	73	6	-	9	3	3	-	7	3	-	-	3	25	-	-	3	3	5	-	-	2	1
500 TO 999 EMPLOYEES	27	4	-	3	1	1	-	6	-	-	-	2	6	-	-	-	1	-	-	-	-	-
1000 TO 2499 EMPLOYEES	8	-	-	1	-	-	-	6	-	-	-	-	1	-	-	-	-	-	1	-	-	-
2500 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANDROSCOGGIN COUNTY	210	27	-	11	3	33	5	11	15	2	-	13	30	9	4	14	15	6	2	-	10	-
1 TO 19 EMPLOYEES	133	22	-	1	3	30	5	6	9	1	-	6	9	3	2	10	12	3	2	-	9	-
20 TO 99 EMPLOYEES	44	3	-	5	-	2	-	2	5	1	-	3	8	6	1	4	3	-	-	-	1	-
100 TO 249 EMPLOYEES	18	-	-	4	-	1	-	-	1	-	-	1	7	-	-	-	-	2	-	-	-	-
250 EMPLOYEES AND OVER	15	2	-	1	-	-	-	1	1	-	-	3	6	-	-	-	-	1	-	-	-	-
AROSTOOK COUNTY	182	21	-	-	2	124	-	3	7	7	-	1	1	3	-	4	6	-	-	-	3	-
1 TO 19 EMPLOYEES	134	12	-	-	1	98	-	-	6	5	-	-	-	2	-	3	6	-	-	-	2	-
20 TO 99 EMPLOYEES	32	4	-	-	-	21	-	2	1	1	-	-	-	1	-	-	-	-	-	-	1	-
100 TO 249 EMPLOYEES	10	2	-	-	1	4	-	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	6	3	-	-	-	1	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-
CUMBERLAND COUNTY	336	45	-	7	12	45	5	12	56	6	2	5	12	11	7	18	33	14	13	10	17	6
1 TO 19 EMPLOYEES	222	25	-	4	6	35	3	8	46	5	1	3	3	7	6	12	20	4	8	7	15	4
20 TO 99 EMPLOYEES	77	12	-	2	4	9	2	1	9	1	1	1	2	4	1	4	8	6	5	3	1	1
100 TO 249 EMPLOYEES	20	6	-	1	-	1	-	2	1	-	-	1	4	-	-	1	2	2	-	-	1	-
250 EMPLOYEES AND OVER	17	2	-	-	2	-	-	1	1	-	-	-	4	-	-	-	3	2	-	-	-	-
FRANKLIN COUNTY	98	2	-	-	-	70	3	3	6	1	-	1	4	1	-	2	1	-	-	1	2	1
1 TO 19 EMPLOYEES	72	2	-	-	-	54	3	1	5	1	-	-	2	1	-	2	1	-	-	1	2	-
20 TO 99 EMPLOYEES	17	-	-	-	-	13	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	4	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	5	-	-	-	-	1	-	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-
HANCOCK COUNTY	102	20	-	2	-	28	-	1	10	-	1	2	-	7	-	4	3	1	20	-	3	-
1 TO 19 EMPLOYEES	90	16	-	1	-	26	-	-	9	-	1	-	-	7	-	3	3	-	19	-	2	-
20 TO 99 EMPLOYEES	8	3	-	1	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-
100 TO 249 EMPLOYEES	3	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENNEBEC COUNTY	126	19	-	7	2	43	3	7	12	1	1	2	5	2	1	12	6	1	1	-	1	-
1 TO 19 EMPLOYEES	86	13	-	1	-	39	2	2	9	1	-	2	1	2	1	8	4	1	1	-	1	-
20 TO 99 EMPLOYEES	16	2	-	1	-	1	1	1	2	-	1	-	2	-	-	3	2	-	-	-	-	-
100 TO 249 EMPLOYEES	9	3	-	5	2	1	-	4	1	-	-	-	2	-	-	1	1	-	-	-	-	-
250 EMPLOYEES AND OVER	15	1	-	-	-	1	-	-	8	1	-	2	3	5	-	3	3	3	15	1	4	2
KNOX COUNTY	86	10	-	3	6	17	-	-	7	-	-	-	3	4	-	2	1	2	14	1	4	-
1 TO 19 EMPLOYEES	66	4	-	2	4	17	-	-	1	-	-	-	1	1	-	1	1	1	-	-	-	-
20 TO 99 EMPLOYEES	10	2	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	10	4	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LINCOLN COUNTY	63	6	-	1	1	15	1	1	5	1	-	-	-	4	-	1	4	1	17	3	2	1
1 TO 19 EMPLOYEES	57	6	-	1	1	14	1	1	5	1	-	-	-	-	-	1	3	1	15	3	1	-
20 TO 99 EMPLOYEES	5	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OXFORD COUNTY	181	5	-	1	1	136	7	1	7	-	1	1	4	2	-	1	8	1	1	1	4	-
1 TO 19 EMPLOYEES	145	4	-	-	1	118	5	-	6	-	-	-	-	-	-	1	4	1	1	1	1	-
20 TO 99 EMPLOYEES	20	-	-	1	-	12	1	1	1	-	-	-	-	-	-	-	3	1	-	-	-	-
100 TO 249 EMPLOYEES	12	1	-	1	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENOBSCOT COUNTY	204	13	-	7	2	100	3	8	17	1	3	1	10	9	-	4	7	5	4	2	4	2
1 TO 19 EMPLOYEES	137	5	-	2	2	81	1	2	15	1	1	-	5	5	-	2	2	2	3	1	1	-
20 TO 99 EMPLOYEES	35	6	-	1	1	12	1	1	1	1	2	-	1	4	-	-	1	1	-	-	-	-
100 TO 249 EMPLOYEES	15	2	-	3	-	6	-	5	1	-	-	-	1	-	-	-	1	1	-	-	-	-
250 EMPLOYEES AND OVER	17	-	-	1	-	1	-	1	1	-	-	-	1	-	-	-	1	1	-	-	-	-
PISCATAQUIS COUNTY	65	2	-	1	1	48	2	-	2	-	-	-	1	-	-	1	3	-	-	-	4	-
1 TO 19 EMPLOYEES	51	2	-	-	-	7	1	-	1	-	-	-	1	-	-	1	3	-	-	-	3	-
20 TO 99 EMPLOYEES	10	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-
100 TO 249 EMPLOYEES	3	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																		39	CAO's	
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37			38
SAGadahoc COUNTY	26	1	-	-	2	5	-	1	5	1	1	-	2	3	-	1	1	1	1	2	-	-
1 TO 19 EMPLOYEES	18	-	-	1	5	-	-	-	5	1	-	-	-	3	-	1	1	-	-	1	-	-
20 TO 99 EMPLOYEES	3	1	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-
250 EMPLOYEES AND OVER	3	-	-	-	1	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-
SOMERSET COUNTY	133	4	-	4	2	82	2	5	4	1	1	-	9	1	1	4	6	1	1	1	4	1
1 TO 19 EMPLOYEES	103	4	-	2	-	70	1	2	4	-	1	-	3	1	1	3	6	-	1	1	4	1
20 TO 99 EMPLOYEES	19	-	-	2	2	10	1	1	-	1	-	-	-	-	-	1	-	-	-	-	-	-
100 TO 249 EMPLOYEES	5	-	-	-	-	2	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	6	-	-	-	-	-	-	1	-	-	-	-	4	-	-	-	-	1	-	-	-	-
WALDO COUNTY	50	8	-	-	1	21	1	-	6	2	-	1	2	1	-	1	1	-	-	1	1	3
1 TO 19 EMPLOYEES	37	4	-	-	-	18	-	-	5	1	-	1	-	1	-	1	1	-	-	1	1	-
20 TO 99 EMPLOYEES	6	1	-	-	1	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	3	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	4	2	-	-	-	-	-	-	1	-	-	-	2	-	-	-	-	-	-	-	-	-
WASHINGTON COUNTY	89	29	-	2	2	36	1	1	4	1	1	-	-	1	-	1	3	-	4	4	1	2
1 TO 19 EMPLOYEES	71	18	-	-	34	1	1	-	4	1	1	-	-	1	-	1	3	-	-	-	1	2
20 TO 99 EMPLOYEES	14	10	-	1	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	3	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
YORK COUNTY	206	14	-	9	6	55	2	3	21	4	-	13	16	9	-	15	14	9	6	3	7	-
1 TO 19 EMPLOYEES	140	12	-	2	3	50	1	-	20	4	-	5	2	6	-	8	11	3	5	1	1	7
20 TO 99 EMPLOYEES	35	2	-	2	2	5	-	3	1	-	-	4	4	2	-	4	3	2	-	1	1	-
100 TO 249 EMPLOYEES	18	-	-	2	1	-	1	-	-	-	-	2	6	1	-	1	-	2	1	1	-	-
250 EMPLOYEES AND OVER	13	-	-	3	-	-	-	-	-	-	-	2	4	-	-	2	-	2	-	-	-	-

Note: Data on number of establishments by employment size class by 4-digit SIC industry for States, counties, and selected cities are presented in Location of Manufacturing Plant data series. This series is available only on computer tape (see Introduction).

¹ Represents zero.

² Only those counties and size classes that include data for manufacturing establishments are shown.

Maryland

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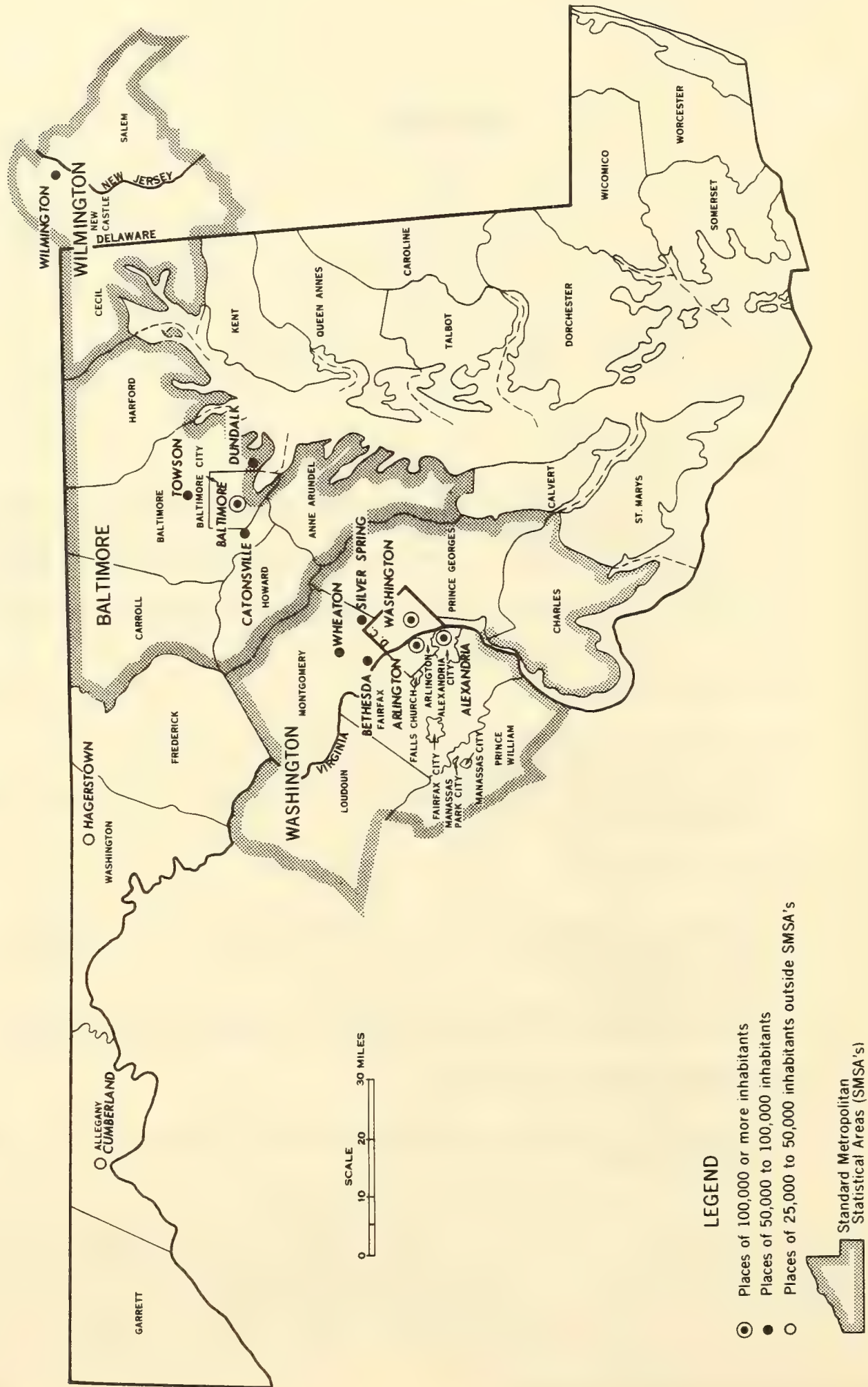
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MARYLAND



SUMMARY OF FINDINGS

In 1977, 243.2 thousand persons were employed in Maryland's manufacturing establishments. This figure represented a decrease of 5 percent from the 1972 figure of 255.6 thousand workers.

The total value added by manufacture for the State amounted to \$7,116 million in 1977, an increase of approximately 51 percent from the 1972 figure of \$4,707 million. All dollar figures in this report are in current dollars and are, therefore, not adjusted for changes in price levels.

In the State, the most important industry groups ranked by employment were electric and electronic equipment, food and kindred products, primary metal industries, and printing and publishing. They accounted for approximately 44 percent of the State's 1977 employment. The order has shifted from 1972 when industry groups food and kindred products, primary metal industries, electric and electronic equipment, and printing and publishing accounted for approximately 43 percent of the State's employment.

The most important counties in the State ranked by employment were Baltimore (independent city), Baltimore County, Anne Arundel County, and Montgomery County. They accounted for approximately 66 percent of the State's 1977 manufacturing employment. The order has shifted from 1972 when Baltimore (independent city), Baltimore County, Anne Arundel County, and Washington County accounted for approximately 72 percent of the States employment.

The methods of data collection and use of administrative records data are discussed in detail in the Introduction. Small single-unit companies with up to 20 employees (the cutoff varied by industry) were excluded from the mail portion of the census. For these establishments (and a small number of larger establishments whose reports were not received in time to be tabulated), statistics on payrolls and receipts were obtained from administrative records of other government agencies. Other statistics were developed from industry averages. For this State, these establishments accounted for 3 percent of the total value of shipments.

Table 1. Historical Employment Statistics for Operating Manufacturing Establishments and Central Administrative Offices: 1977 and Earlier Years

(For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

State, standard metropolitan statistical area, and year	All establishments		Operating manufacturing establishments		Central administrative offices and auxiliaries ¹	
	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)
Maryland:						
1977.....	243.2	3,419.5	228.5	3,163.9	14.7	255.6
1972.....	255.6	2,386.3	245.5	2,260.3	10.1	126.0
1967.....	287.6	1,956.0	281.2	1,891.3	6.4	64.7
1963.....	263.7	1,549.8	258.6	1,501.1	5.1	48.7
STANDARD CONSOLIDATED STATISTICAL AREAS						
Philadelphia-Wilmington-Trenton, Pa.-Del.-N.J.-Md.						
1977.....	550.5	8,072.4	487.8	6,814.0	62.7	1,258.4
1972.....	595.4	5,900.8	541.1	5,127.6	54.3	773.2
STANDARD METROPOLITAN STATISTICAL AREAS						
Baltimore:						
1977.....	165.9	2,441.5	156.9	2,290.7	9.0	150.8
1972.....	180.1	1,743.0	172.8	1,655.7	7.3	87.3
1967.....	209.7	1,486.1	204.9	1,439.8	4.8	46.3
1963.....	190.5	1,184.3	187.5	1,158.3	3.0	26.0
Washington, D.C.-Md.-Va.:						
1977.....	60.5	930.9	55.2	814.9	5.3	116.0
1972.....	55.6	588.9	52.2	535.0	3.4	53.9
1967.....	55.5	410.1	53.5	384.3	2.0	25.8
1963.....	50.1	324.3	47.0	291.3	3.1	33.0
Wilmington, Del.-N.J.-Md.:						
1977.....	62.8	1,169.3	41.1	669.4	21.7	499.9
1972.....	64.1	763.6	44.4	459.3	19.7	304.3
1967.....	68.0	605.1	48.2	358.0	19.8	247.1
1963.....	59.4	468.6	42.3	283.5	17.1	185.1

¹Defined in appendix B. Data for these establishments are included at the total manufacturing level in each table in this report. Data for these establishments are shown separately in tables 5 and 9 and included in State, SMSA, county, or city totals in other tables.

Table 2a. Historical Statistics for the State and Selected Standard Metropolitan Statistical Areas:
1977 and Earlier Years

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Establishments ²		All employees ²		Production workers						Comparative indexes and U.S. employment				
	Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)	Value added by manu- facture (million dollars)	Cost of materials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)	Percent of U.S. manufac- turing employ- ment (per- cent)	Index of State em- ploy- ment change (1977= 100)	United States	
														Index of manufac- turing employ- ment change (1977= 100)	U.S. manu- facturing employ- ment (1,000)
MARYLAND															
1977 CENSUS.	3 937	1 351	243.2	3 419.5	162.9	311.6	1 976.0	7 115.6	8 908.4	15 930.4	513.8	1.24	100	100	19 596.9
1976 ASM....	(NA)	(NA)	242.8	3 162.2	164.4	316.6	1 810.2	6 681.6	8 162.1	14 762.2	421.0	1.29	100	96	18 753.0
1975 ASM....	(NA)	(NA)	244.0	2 896.4	162.6	307.1	1 618.0	5 618.2	7 492.1	13 189.6	460.5	1.33	100	94	18 302.2
1974 ASM....	(NA)	(NA)	259.3	2 854.5	175.3	337.9	1 652.4	5 946.6	7 694.0	13 446.1	438.6	1.31	107	102	19 844.8
1973 ASM....	(NA)	(NA)	263.4	2 629.5	184.0	358.3	1 593.9	5 257.1	6 316.0	11 498.8	317.1	1.32	108	102	19 897.9
1972 CENSUS.	3 579	1 437	255.6	2 386.3	175.7	345.7	1 427.8	4 706.9	5 309.6	9 963.3	310.3	1.34	105	98	19 028.7
1971 ASM....	(NA)	(NA)	254.4	2 183.7	176.0	346.9	1 311.2	4 279.4	4 812.2	9 113.4	311.5	1.39	105	94	18 363.1
1970 ASM....	(NA)	(NA)	272.4	2 175.6	191.2	377.2	1 329.7	4 067.9	4 769.1	8 826.4	384.4	1.42	112	99	19 217.2
1969 ASM....	(NA)	(NA)	289.4	2 228.2	205.3	406.1	1 381.6	4 188.9	4 960.7	9 121.1	310.9	1.44	119	103	20 035.5
1968 ASM....	(NA)	(NA)	284.7	2 067.7	203.1	399.7	1 286.9	4 084.4	4 704.8	8 765.2	247.4	1.46	117	100	19 527.6
1967 CENSUS.	3 401	1 963	287.6	1 956.0	205.4	405.6	1 208.5	3 781.3	4 303.1	8 066.3	251.6	1.49	118	99	19 323.2
1966 ASM....	(NA)	(NA)	288.6	1 878.3	207.2	418.1	1 159.4	3 587.9	4 320.6	7 819.6	270.6	1.52	119	98	19 024.5
1965 ASM....	(NA)	(NA)	270.7	1 703.2	195.6	394.8	1 060.2	3 381.0	4 060.5	7 414.2	224.5	1.50	111	92	18 010.2
1964 ASM....	(NA)	(NA)	263.0	1 610.8	186.4	377.3	982.0	3 152.5	3 698.2	6 819.2	156.6	1.52	108	89	17 268.5
1963 CENSUS.	3 519	1 399	263.7	1 549.8	188.9	375.9	960.5	3 017.2	(NA)	(NA)	176.3	1.55	108	87	16 958.4
PHILADELPHIA-WILMINGTON-TRENTON, PA.-DEL.-N.J.-MD., SCSA															
1977 CENSUS.	8 964	3 306	550.5	8 072.4	343.8	667.7	4 192.6	15 796.6	22 402.4	38 008.3	921.5	2.81	100	100	19 596.9
1972 CENSUS.	8 833	3 560	595.4	5 900.8	387.0	755.0	3 211.0	10 959.2	12 384.1	23 294.5	689.3	3.13	108	98	19 028.7
BALTIMORE SMSA															
1977 CENSUS.	2 175	798	165.9	2 441.5	109.5	210.0	1 413.4	5 169.5	6 304.6	11 388.0	395.5	.85	100	100	19 596.9
1976 ASM....	(NA)	(NA)	164.9	2 236.3	110.2	212.7	1 303.4	4 817.5	5 985.0	10 723.6	308.2	.88	99	96	18 753.0
1975 ASM....	(NA)	(NA)	167.5	2 055.9	111.0	208.2	1 167.5	4 026.4	5 628.0	9 710.0	344.0	.92	101	94	18 302.2
1974 ASM....	(NA)	(NA)	181.6	2 063.7	122.7	235.0	1 203.1	4 372.7	5 768.3	1 009.5	341.0	.92	109	102	19 844.8
1973 ASM....	(NA)	(NA)	184.9	1 907.9	127.8	248.5	1 158.8	3 873.9	4 708.5	8 530.9	233.1	.93	111	102	19 897.9
1972 CENSUS.	2 025	879	180.1	1 743.0	121.9	240.3	1 034.5	3 476.2	3 965.5	7 410.8	228.3	.95	109	98	19 028.7
1971 ASM....	(NA)	(NA)	178.5	1 589.0	120.3	239.6	952.0	3 154.5	3 667.7	6 836.8	221.6	.97	108	94	18 363.1
1970 ASM....	(NA)	(NA)	194.8	1 606.5	133.8	263.7	972.1	2 994.6	3 649.8	6 633.3	267.2	1.01	117	99	19 217.2
1969 ASM....	(NA)	(NA)	208.0	1 661.1	145.1	288.8	1 027.7	3 101.9	3 808.6	6 871.3	196.3	1.04	125	103	20 035.5
1968 ASM....	(NA)	(NA)	206.7	1 556.6	144.0	287.0	952.4	3 105.9	3 689.8	6 766.6	185.0	1.06	125	100	19 527.6
1967 CENSUS.	2 044	923	209.7	1 486.1	146.6	290.6	906.6	2 858.8	3 341.6	6 188.4	191.1	1.09	126	99	19 323.2
1966 ASM....	(NA)	(NA)	206.5	1 405.8	145.9	295.0	868.7	2 710.1	3 397.9	6 054.0	210.0	1.09	124	98	19 024.5
1965 ASM....	(NA)	0	193.7	1 284.0	137.6	279.4	801.2	2 568.3	3 213.4	5 776.8	178.4	1.08	117	92	18 010.2
1964 ASM....	(NA)	0	190.2	1 224.6	133.1	270.8	749.1	2 421.8	2 898.8	5 304.5	115.7	1.10	115	89	17 268.5
1963 CENSUS.	2 072	857	190.5	1 184.0	134.0	267.4	728.9	2 366.4	(NA)	(NA)	124.1	1.12	115	87	16 958.4
WASHINGTON, D.C.-MD.-VA., SMSA															
1977 CENSUS.	2 054	510	60.5	930.9	29.8	56.1	354.5	1 820.7	1 435.2	3 233.5	(D)	.31	100	100	19 596.9
1976 ASM....	(NA)	(NA)	61.8	876.7	32.7	59.0	361.2	1 645.5	1 298.8	2 952.2	89.5	.33	102	96	18 753.0
1975 ASM....	(NA)	(NA)	64.0	881.0	31.7	58.9	336.0	1 446.8	1 231.0	2 761.1	81.8	.35	106	94	18 302.2
1974 ASM....	(NA)	(NA)	62.8	796.9	31.5	59.1	328.6	1 386.1	1 289.6	2 580.9	71.8	.32	104	102	19 844.8
1973 ASM....	(NA)	(NA)	58.9	666.8	31.6	58.2	296.9	1 107.2	997.5	2 079.6	79.9	.30	97	102	19 897.9
1972 CENSUS.	1 727	480	55.6	588.9	29.4	54.6	262.4	1 060.5	834.6	1 885.4	58.8	.29	92	98	19 028.7
1971 ASM....	(NA)	(NA)	52.8	533.7	26.3	50.8	224.1	906.8	765.9	1 669.0	95.7	.29	87	94	18 363.1
1970 ASM....	(NA)	(NA)	55.2	516.6	27.2	54.0	219.8	881.4	743.7	1 623.3	53.3	.29	91	99	19 217.2
1969 ASM....	(NA)	(NA)	57.3	499.9	30.2	56.1	218.4	844.3	701.7	1 541.1	36.8	.29	95	103	20 035.5
1968 ASM....	(NA)	(NA)	55.1	433.3	30.4	57.9	204.5	769.8	631.4	1 392.6	37.3	.28	91	100	19 527.6
1967 CENSUS.	1 388	434	55.5	410.1	31.3	61.0	196.0	728.2	606.9	1 332.8	40.9	.29	92	99	19 323.2
1966 ASM....	(NA)	(NA)	55.1	401.6	29.6	59.0	179.0	615.5	541.5	1 140.8	26.6	.29	91	98	19 024.5
1965 ASM....	(NA)	(NA)	53.1	370.3	28.8	56.0	169.2	587.0	497.9	1 076.3	32.4	.29	88	92	18 010.2
1964 ASM....	(NA)	(NA)	52.5	366.8	26.3	51.5	152.7	559.9	479.6	1 036.9	23.2	.30	87	89	17 268.5
1963 CENSUS.	1 276	376	50.1	324.3	28.0	55.6	154.9	525.3	(NA)	(NA)	30.7	.30	83	87	16 958.4
WILMINGTON, DEL.-N.J.-MD., SMSA															
1977 CENSUS.	530	212	62.8	1 169.3	29.7	57.5	419.3	1 481.6	3 435.7	4 874.6	158.4	.32	100	100	19 596.9
1976 ASM....	(NA)	(NA)	62.8	1 085.6	29.8	59.2	392.6	1 500.5	3 182.8	4 640.6	154.3	.33	100	96	18 753.0
1975 ASM....	(NA)	(NA)	59.1	949.3	28.2	54.5	331.6	1 086.0	2 458.0	3 596.5	143.5	.32	94	94	18 302.2
1974 ASM....	(NA)	(NA)	62.7	924.9	31.4	63.0	348.6	1 292.7	2 689.0	3 874.0	151.1	.32	100	102	19 844.8
1973 ASM....	(NA)	(NA)	66.6	844.6	34.2	67.5	339.1	1 271.9	2 184.6	3 465.9	119.1	.33	106	102	19 897.9
1972 CENSUS.	491	213	64.1	763.6	33.0	64.8	306.0	1 161.3	2 037.4	3 202.5	91.0	.34	102	98	19 028.7
1971 ASM....	(NA)	(NA)	66.8	751.7	33.3	71.3	287.9	1 214.9	1 854.3	3 052.6	91.8	.36	106	94	18 363.1
1970 ASM....	(NA)	(NA)	67.8	721.2	32.9	63.8	253.1	1 019.9	1 461.9	2 479.3	78.2	.35	108	99	19 217.2
1969 ASM....	(NA)	(NA)	71.7	717.0	36.5	72.4	267.0	1 073.9	1 592.2	2 661.8	76.7	.36	114	103	20 035.5
1968 ASM....	(NA)	(NA)	69.7	696.7	34.9	71.2	256.9	1 096.2	1 527.2	2 619.6	92.3	.36	111	100	19 527.6
1967 CENSUS.	455	229	68.0	605.1	36.0	70.3	233.4	846.0	1 445.2	2 290.6	127.1	.35	108	99	19 323.2
1966 ASM....	(NA)	(NA)	67.2	607.2	34.0	68.8	224.0	904.5	1 463.8	2 348.3	94.8	.35	107	98	19 024.5
1965 ASM....	(NA)	(NA)	64.8	568.8	32.5	67.7	215.6	833.2	1 481.7	2 315.5	68.7	.36	103	92	18 010.2
1964 ASM....	(NA)	(NA)	62.9	517.1	31.5	63.9	192.6	776.0	1 182.6	1 944.5	59.9	.36	100	89	17 268.5
1963 CENSUS.	480	206	59.4	468.6	30.4	61.1	178.2	702.6	(NA)	(NA)	60.8	.35	95	87	16 958.4

(D) Withheld to avoid disclosing operations of individual companies. (NA) Not available.

¹In annual survey of manufactures (ASM) years, data are estimates based on a representative sample of establishments canvassed annually and may differ from results of a complete canvass of all establishments. ASM publication shows percentage standard errors. Unless otherwise noted, for data prior to 1963, see 1963 Census of Manufactures, vol. III, table 1 of State chapter.

²Including central administrative offices and auxiliaries (for definition, see appendix B).

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by other (see appendix B).

Table 2b. **Selected Operating Ratios for the State and Selected Standard Metropolitan Statistical Areas: 1977 and Earlier Years**

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials as percent of value of shipments (percent)	Cost of materials and payroll as percent of value of shipments (percent)	Value added per employee (dollars)	Payroll as percent of value added (percent)	Value added per production worker hour (dollars)
MARYLAND									
1977 CENSUS.....	14 063	67	1 913	6.34	56	77	29 263	48	22.84
1976 ASM.....	13 024	68	1 926	5.72	55	77	27 519	47	21.10
1975 ASM.....	11 870	67	1 889	5.27	57	79	23 025	52	18.29
1974 ASM.....	11 008	68	1 928	4.89	57	78	22 933	48	17.60
1973 ASM.....	9 983	70	1 947	4.45	55	78	19 959	50	14.67
1972 CENSUS.....	9 336	69	1 968	4.13	53	77	18 415	51	13.62
1971 ASM.....	8 584	69	1 971	3.78	53	77	16 822	51	12.34
1970 ASM.....	7 987	70	1 973	3.53	54	79	14 934	53	10.78
1969 ASM.....	7 700	71	1 978	3.40	54	79	14 474	53	10.31
1968 ASM.....	7 263	71	1 968	3.22	54	77	14 346	51	10.22
1967 CENSUS.....	6 801	71	1 975	2.98	53	78	13 148	52	9.32
1966 ASM.....	6 508	72	2 018	2.77	55	79	12 432	52	8.58
1965 ASM.....	6 292	72	2 018	2.69	55	78	12 490	50	8.56
1964 ASM.....	6 125	71	2 024	2.60	54	78	11 987	51	8.36
1963 CENSUS.....	5 877	72	1 990	2.56	(NA)	(NA)	11 442	51	8.03
PHILADELPHIA-WILMINGTON-TRENTON, PA.-DEL.-N.J.-MD., SCSA									
1977 CENSUS.....	14 664	62	1 942	6.28	59	80	28 695	51	23.66
1972 CENSUS.....	9 911	65	1 951	4.25	53	78	18 406	54	14.52
BALTIMORE SMSA									
1977 CENSUS.....	14 713	66	1 917	6.73	55	77	31 153	47	24.61
1976 ASM.....	13 562	67	1 930	6.13	56	77	29 215	46	22.65
1975 ASM.....	12 274	66	1 876	5.61	58	79	24 038	51	19.34
1974 ASM.....	11 364	68	1 915	5.12	57	78	24 079	47	18.61
1973 ASM.....	10 319	69	1 944	4.66	55	78	20 951	49	15.59
1972 CENSUS.....	9 678	68	1 971	4.31	54	77	19 301	50	14.47
1971 ASM.....	8 902	67	1 992	3.97	54	77	17 672	50	13.17
1970 ASM.....	8 247	69	1 971	3.69	55	79	15 373	54	11.36
1969 ASM.....	7 986	70	1 990	3.56	55	80	14 913	54	10.74
1968 ASM.....	7 531	70	1 993	3.32	55	78	15 026	50	10.82
1967 CENSUS.....	7 087	70	1 982	3.12	54	78	13 633	52	9.84
1966 ASM.....	6 808	71	2 022	2.94	56	79	13 124	52	9.19
1965 ASM.....	6 629	71	2 031	2.87	56	78	13 259	50	9.19
1964 ASM.....	6 438	70	2 035	2.77	55	78	12 733	51	8.94
1963 CENSUS.....	6 215	70	1 996	2.73	(NA)	(NA)	12 422	50	8.85
WASHINGTON, D.C.-MD.-VA., SMSA									
1977 CENSUS.....	15 380	49	1 883	6.32	44	73	30 081	51	32.47
1976 ASM.....	14 186	53	1 804	6.12	44	74	26 626	53	27.89
1975 ASM.....	13 766	50	1 858	5.70	45	76	22 606	61	24.56
1974 ASM.....	12 689	50	1 876	5.56	50	81	22 072	57	23.45
1973 ASM.....	11 321	54	1 842	5.10	48	80	18 798	60	19.02
1972 CENSUS.....	10 592	53	1 857	4.81	44	76	19 074	56	19.42
1971 ASM.....	10 108	50	1 932	4.41	46	78	17 174	59	17.85
1970 ASM.....	9 359	49	1 985	4.07	46	78	15 967	59	16.32
1969 ASM.....	8 724	53	1 858	3.89	46	78	14 735	59	15.05
1968 ASM.....	7 864	55	1 905	3.53	45	76	13 971	56	13.30
1967 CENSUS.....	7 389	56	1 949	3.21	46	76	13 121	56	11.94
1966 ASM.....	7 289	54	1 993	3.03	47	83	11 171	65	10.43
1965 ASM.....	6 974	54	1 944	3.02	46	81	11 055	63	10.48
1964 ASM.....	6 987	50	1 958	2.97	46	82	10 665	66	10.87
1963 CENSUS.....	6 473	56	1 986	2.79	(NA)	(NA)	10 485	62	9.45
WILMINGTON, DEL.-N.J.-MD., SMSA									
1977 CENSUS.....	18 610	47	1 941	7.29	70	94	23 579	79	25.75
1976 ASM.....	17 287	47	1 987	6.63	69	92	23 893	72	25.35
1975 ASM.....	16 063	48	1 933	6.08	68	95	18 376	87	19.93
1974 ASM.....	14 751	50	2 006	5.53	69	93	20 617	72	20.52
1973 ASM.....	12 682	51	1 974	5.02	63	87	19 098	66	18.84
1972 CENSUS.....	11 913	51	1 964	4.72	64	87	18 117	66	17.92
1971 ASM.....	11 253	50	2 141	4.04	61	85	18 187	62	17.04
1970 ASM.....	10 637	49	1 939	3.97	59	88	15 043	71	15.99
1969 ASM.....	10 000	51	1 984	3.69	60	87	14 978	67	14.83
1968 ASM.....	9 996	50	2 040	3.61	58	85	15 727	64	15.40
1967 CENSUS.....	8 899	53	1 953	3.32	63	90	12 441	72	12.03
1966 ASM.....	9 036	51	2 024	3.26	62	88	13 460	67	13.15
1965 ASM.....	8 778	50	2 083	3.18	64	89	12 858	68	12.31
1964 ASM.....	8 221	50	2 029	3.01	61	87	12 337	67	12.14
1963 CENSUS.....	7 889	51	2 010	2.92	(NA)	(NA)	11 828	67	11.50

Note: For qualifications to data, see footnotes on table 2a.
(NA) Not available.

Table 3a. Summary Statistics for the State: 1977 and 1972

[For explanation of terms, see appendix B]

Item	Unit of measure	1977	1972
All establishments ¹	number	3 937	3 579
With 1 to 19 employees	do	2 586	2 142
With 20 to 99 employees	do	883	961
With 100 employees or more	do	468	476
All employees, average for year ¹	1,000	243.2	255.6
Payroll for year, all employees ¹	mil. dollars ..	3 419.5	2 386.3
Production workers:			
Average for year	1,000	162.9	175.7
March	do	160.2	173.9
May	do	165.0	175.4
August	do	162.8	176.3
November	do	163.3	177.3
Hours	millions	311.6	345.7
January to March	do	75.3	85.1
April to June	do	80.3	87.9
July to September	do	78.0	85.7
October to December	do	77.9	87.1
Wages	mil. dollars ..	1 976.0	1 427.8
Cost of materials, etc. ²	do	8 908.4	5 309.0
Materials, parts, containers, etc., consumed	do	7 779.1	4 655.5
Resales	do	512.3	314.2
Fuels consumed	do	216.9	83.6
Purchased electric energy	do	184.2	87.0
Contract work	do	216.0	168.7
Value of shipments, including resales ²	do	15 930.4	9 963.3
Value of resales	do	614.1	375.2
Value added by manufacture	do	7 115.6	4 706.9
Manufacturers' inventories:			
Beginning of year	do	2 058.6	1 302.5
Finished products	do	642.9	493.0
Work in process	do	517.2	355.2
Materials, supplies, fuel, etc.	do	898.5	454.3
End of year	do	2 185.6	1 341.0
Finished products	do	718.3	520.2
Work in process	do	546.6	365.2
Materials, supplies, fuel, etc.	do	920.6	455.6
Capital expenditures for plant and equipment	do	560.1	325.5
New capital expenditures	do	513.8	310.3
New buildings and other structures	do	146.1	56.2
New machinery and equipment	do	367.7	254.2
Used capital expenditures	do	46.3	15.2

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies.

¹Including central administrative offices and auxiliaries (for definition, see appendix B).²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 3b. Supplemental State Statistics Based on Sample Estimates: 1977

(For explanation of terms, see appendix B. For description of annual survey of manufactures (ASM), see appendix F)

Item	Amount (million dollars)	Standard error of estimate (percent)	Item	Amount (million dollars)	Standard error of estimate (percent)
Gross value of depreciable assets:			Rental payments:		
Total:			Total.....	89.2	5
Beginning of year.....	5,745.4	1	Buildings and other structures.....	41.7	7
New capital expenditures.....	502.8	3	Machinery and equipment.....	47.5	4
Used capital expenditures.....	46.6	4			
Retirements.....	231.1	4	Depreciation charges during 1977:		
End of year.....	6,063.6	1	Total.....	324.3	2
Buildings and other structures:			Buildings and other structures.....	56.7	2
Beginning of year.....	1,589.0	1	Machinery and equipment.....	267.6	2
New capital expenditures.....	141.6	4			
Used capital expenditures.....	20.8	2	Supplemental labor costs:		
Retirements.....	54.4	7	Total.....	721.1	1
End of year.....	1,697.0	1	Legal costs.....	250.6	1
Machinery and equipment:			Voluntary costs.....	470.5	1
Beginning of year.....	4,156.6	1			
New capital expenditures.....	361.2	3	Purchased services:		
Automobiles, trucks, etc., for highway use...	10.8	(NA)	Cost of purchased services for the repair of--		
Computers and peripheral data processing equip.	6.6	(NA)	Buildings and other structures.....	20.3	8
All other.....	296.7	(NA)	Response coverage ratio (percent).....	62	(X)
New machinery and equipment, n.s.k.....	47.0	(NA)	Machinery.....	(71.8)	(A)
Used capital expenditures.....	25.8	6	Response coverage ratio (percent).....	66	(X)
Retirements.....	176.8	3	Cost of purchased communication services.....	(32.6)	(A)
End of year.....	4,366.7	1	Response coverage ratio (percent).....	72	(X)

Note: Expenditures data, shown in tables 2a, 3a, and 4-8, are census universe figures and may differ from ASM sample estimates shown in this table. Table 3b figures represent best estimate of year-to-year change as measured by continuing ASM sample, but are subject to sampling errors. Hence, as estimates of level, they are not as reliable as universe figures.

(A) Indicates standard errors of 100 percent or more. (NA) Not available. n.s.k. Not specified by kind. (X) Not applicable.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area	E ¹	1977										1972		
		All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)						
Maryland -----	-	3 937	1 351	243.2	3 419.5	162.9	311.6	1 976.0	7 115.6	8 908.4	15 930.4	513.8	255.6	4 706.9
STANDARD CONSOLIDATED STATISTICAL AREAS														
Philadelphia-Wilmington-Trenton, Pa.-Del.-N.J.-Md. -----	-	8 964	3 306	550.5	8 072.4	343.8	667.7	4 192.6	15 796.6	22 402.4	38 008.3	921.5	597.8	11 008.5
Portion in New Jersey -----	-	2 103	730	112.7	1 619.3	73.8	142.9	903.0	3 159.9	4 732.5	7 864.4	222.0	115.7	2 167.2
Portion in Pennsylvania -----	-	6 390	2 391	384.5	5 457.7	247.5	480.5	2 977.7	11 537.3	14 774.4	26 189.7	587.8	428.8	7 985.9
Portion in Delaware -----	-	419	160	50.7	966.4	20.7	40.6	294.8	1 035.3	2 798.4	3 792.3	107.4	49.6	803.1
Portion in Maryland -----	-	52	25	2.6	29.0	1.9	3.7	17.0	64.0	97.1	161.8	4.2	3.7	52.3
STANDARD METROPOLITAN STATISTICAL AREAS														
Baltimore -----	-	2 175	798	165.9	2 441.5	109.5	210.0	1 413.4	5 169.5	6 304.6	11 388.0	395.5	179.7	3 468.7
Washington, D.C.-Md.-Va. -----	-	2 054	510	60.5	930.9	29.8	56.1	354.5	1 820.7	1 435.2	3 233.5	(D)	54.9	1 068.2
Portion in Maryland -----	E1	884	229	25.8	383.7	14.0	26.7	159.6	625.5	696.4	1 330.8	(D)	22.1	404.0
Portion in District of Columbia -----	E1	555	130	18.6	297.6	7.5	13.3	102.3	610.2	377.7	984.4	18.1	19.4	389.0
Portion in Virginia -----	-	615	151	16.2	249.5	8.3	16.1	92.6	585.0	361.1	918.3	26.5	13.4	275.2
Wilmington, Del.-N.J.-Md. -----	-	530	212	62.8	1 169.3	29.7	57.5	419.3	1 481.8	3 435.7	4 874.6	158.4	64.1	1 161.3
Portion in New Jersey -----	-	59	27	9.6	174.0	7.1	13.3	107.5	382.2	540.2	920.4	(D)	10.8	306.6
Portion in Delaware -----	-	419	160	50.7	966.4	20.7	40.6	294.8	1 035.3	2 798.4	3 792.3	107.4	49.6	803.1
Portion in Maryland -----	-	52	25	2.6	29.0	1.9	3.7	17.0	64.0	97.1	161.8	(D)	3.7	51.6
COUNTIES														
Allegany -----	E8	80	27	8.4	131.8	5.8	11.8	86.6	261.8	286.6	552.6	15.6	10.5	183.0
Anne Arundel -----	-	219	52	15.3	261.2	7.5	13.9	91.4	409.3	293.2	689.3	18.3	14.3	285.8
Baltimore -----	-	559	208	57.9	917.3	36.3	66.7	506.5	1 618.8	1 713.8	3 321.2	207.5	56.9	1 078.0
Calvert -----	E3	25	4	0.2	1.8	0.2	0.3	1.3	3.3	5.1	8.4	0.2	0.3	3.3
Caroline -----	-	36	12	1.4	9.9	1.2	2.1	7.3	24.6	34.6	58.6	2.0	1.4	15.0
Carroll -----	-	107	38	9.5	103.0	6.5	12.4	60.3	287.6	196.3	482.7	7.0	7.8	132.0
Cecil -----	-	52	25	2.6	29.0	1.9	3.7	17.0	64.0	97.1	161.8	(D)	3.7	51.6
Charles -----	-	34	7	0.5	7.0	0.3	0.6	3.2	15.1	29.3	44.3	0.3	0.4	8.1
Dorchester -----	-	86	37	4.9	42.7	4.1	7.6	31.2	106.5	179.1	285.1	6.7	4.1	57.9
Frederick -----	-	90	39	6.5	73.1	5.0	9.2	48.4	166.6	202.7	366.2	15.1	5.9	104.0
Garrett -----	-	33	6	1.2	9.7	1.1	2.0	8.1	16.0	19.5	37.0	0.9	1.2	11.3
Harford -----	E1	78	31	4.2	38.5	3.1	5.9	25.3	78.9	67.7	144.2	13.1	4.3	47.6
Howard -----	-	113	40	6.2	76.6	3.9	7.6	39.4	209.2	220.9	401.5	9.5	6.1	77.7
Kent -----	-	28	10	1.1	10.3	0.9	1.7	7.1	22.3	53.7	75.9	1.9	0.8	8.7
Montgomery -----	-	492	116	14.3	226.0	6.7	12.8	75.9	298.4	202.7	503.2	(D)	12.4	199.9
Prince Georges -----	-	358	106	10.9	150.7	6.9	13.3	80.4	312.1	464.4	783.3	30.1	10.1	196.0
Queen Annes -----	E2	25	7	0.6	4.7	0.5	0.9	3.5	8.8	15.7	24.0	0.5	0.7	6.2
St. Marys -----	E2	31	5	0.5	4.1	0.3	0.6	2.1	4.0	7.8	11.8	0.2	0.2	2.8
Somerset -----	-	47	12	1.2	10.8	1.0	2.0	8.0	22.5	63.1	83.7	1.0	1.3	15.5
Talbot -----	E1	70	19	1.9	18.7	1.6	2.8	12.9	45.3	87.0	133.5	4.0	1.7	22.0
Washington -----	-	121	59	12.0	164.9	9.1	17.9	117.1	345.1	333.1	662.4	11.7	12.5	243.2
Wicomico -----	-	102	44	6.3	60.1	4.6	8.4	36.5	169.7	378.4	544.9	7.3	5.6	70.3
Worcester -----	-	50	18	2.6	22.8	2.2	3.8	16.0	60.1	144.1	205.3	3.6	3.0	32.1
Baltimore (independent city) -----	-	1 101	429	72.9	1 044.9	52.2	103.7	690.4	2 565.9	3 812.7	6 349.3	140.2	90.6	1 855.2
CITIES														
Annapolis -----	-	63	8	1.4	23.6	0.6	1.1	5.8	42.2	19.9	62.4	1.2	1.9	40.3
Baltimore -----	-	1 099	429	72.9	1 044.9	52.2	103.6	690.4	2 565.7	3 812.7	6 349.1	140.2	(NA)	(NA)
Bel Air -----	-	18	5	0.5	4.3	0.4	0.7	3.1	9.3	3.4	12.7	0.3	0.5	3.8
Bethesda (U) -----	E1	62	14	1.6	34.2	0.4	0.7	4.0	19.2	16.6	35.8	(D)	1.9	12.2
Cambridge -----	-	40	15	1.7	16.0	1.3	2.5	10.7	40.7	51.3	91.8	2.2	2.9	45.9
Chestertown -----	-	14	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.6	6.5
Chillum (U) -----	-	5	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
College Park -----	E1	14	4	1.5	22.6	0.6	1.1	6.0	39.6	20.9	69.9	0.9	1.3	30.2
Cumberland -----	-	42	18	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	7.9	129.9
Dundalk (U) -----	-	46	17	3.4	53.1	2.5	4.9	37.9	147.4	175.4	319.8	5.3	2.9	65.7
Easton -----	-	31	11	1.2	13.2	0.9	1.7	8.9	34.0	51.0	87.0	1.4	1.0	15.4
Elkton -----	-	31	14	1.5	14.6	1.2	2.2	9.7	31.0	42.6	73.7	(D)	1.9	22.4
Frederick -----	-	48	23	3.4	43.6	2.4	4.7	26.7	102.9	150.7	252.7	12.3	2.8	48.7
Gaithersburg -----	E1	50	17	2.4	33.7	0.9	1.8	9.9	30.4	21.8	59.2	1.7	1.8	31.4
Glen Burnie (U) -----	-	30	10	1.4	21.9	0.9	1.8	11.7	37.9	26.1	63.3	2.7	0.5	14.6
Hagerstown -----	-	88	41	5.0	53.8	3.4	6.4	31.7	105.7	83.0	183.9	5.2	6.3	106.8
Havre de Grace -----	-	13	9	0.8	9.7	0.5	1.1	5.4	18.7	15.2	34.8	9.1	0.6	11.3
Laurel -----	-	26	8	1.0	12.0	0.9	1.9	9.3	33.6	84.7	118.6	1.8	0.7	13.9
Pikesville (U) -----	-	29	3	0.6	7.0	0.4	0.6	4.3	12.6	15.6	27.8	0.4	(NA)	(NA)
Pocomoke City -----	-	10	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Rockville -----	-	104	26	3.2	53.7	1.6	3.1	20.2	58.1	41.7	97.6	2.5	2.3	31.2
Salisbury -----	-	65	27	4.3	40.8	3.3	6.0	26.7	109.2	223.5	331.3	3.9	4.2	51.3
Silver Spring (U) -----	-	81	17	1.8	28.4	1.0	1.9	12.7	50.6	41.1	90.1	3.4	1.7	34.4
Towson (U) -----	-	56	23	3.9	59.2	1.4	2.5	13.6	75.2	62.4	131.8	22.0	2.3	16.6
Westminster -----	-	30	7	1.9	19.1	0.9	1.7	7.6	35.4	25.2	55.4	1.6	2.3	21.7
Woodlawn-Woodmoor (U) -----	-	22	11	0.6	7.6	0.4	0.7	3.9	15.7	15.7	31.5	0.4	0.8	13.6

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹ Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
² Including central administrative offices and auxiliaries (for definition, see appendix B).
³ Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B.															
SIC code	Industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	All industries -----	-	3 937	1 351	243.2	3 419.5	162.9	311.6	1 976.0	7 115.6	8 908.4	15 930.4	513.8	255.6	4 706.9
20	Food and kindred products -----	-	451	201	27.9	312.8	19.1	36.1	181.9	1 024.4	2 000.3	3 025.8	57.0	31.5	687.9
201	Meat products -----	-	58	31	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	7.1	78.6
2011	Meat packing plants -----	-	23	4	1.4	18.0	1.0	2.0	11.7	31.6	102.7	133.5	0.7	2.0	25.6
2013	Sausages and other prepared meats -----	-	19	13	0.8	10.4	0.6	1.2	6.8	21.6	72.2	93.2	1.9	EE	(D)
2016	Poultry dressing plants -----	-	12	11	3.3	24.4	2.9	4.9	18.3	45.1	174.2	220.3	2.8	2.9	21.1
2017	Poultry and egg processing --	E1	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
202	Dairy products -----	-	38	23	2.6	35.8	1.2	2.5	15.0	128.6	316.2	445.0	7.1	3.1	82.6
2024	Ice cream and frozen desserts -----	-	11	7	0.6	6.7	0.4	0.7	3.7	41.3	35.6	76.6	(D)	0.5	17.2
2026	Fluid milk -----	-	22	13	1.8	26.8	0.7	1.6	9.8	78.4	213.4	291.8	3.5	2.2	59.2
203	Preserved fruits and vegetables -----	-	55	24	3.1	25.9	2.6	5.2	20.0	87.4	219.9	307.2	5.1	3.6	57.4
2032	Canned specialties -----	-	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2033	Canned fruits and vegetables -----	E1	37	12	1.1	8.1	0.9	1.8	6.5	18.6	37.4	55.9	1.9	1.4	16.8
2035	Pickles, sauces, and salad dressings -----	-	9	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.6	10.9
2037	Frozen fruits and vegetables -	-	3	3	0.2	1.4	0.2	0.3	1.0	3.4	4.5	7.9	(D)	0.3	2.9
2038	Frozen specialties -----	-	3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
204	Grain mill products -----	-	22	7	0.9	9.2	0.5	1.0	4.7	36.2	206.3	241.8	1.7	BB	(D)
2048	Prepared feeds, n.e.c. -----	-	14	5	0.7	7.2	0.4	0.8	3.5	31.0	195.5	226.1	(D)	AA	(D)
205	Bakery products -----	-	60	26	3.9	48.7	2.3	4.4	25.9	112.8	95.6	207.2	12.2	4.7	77.3
2051	Bread, cake, and related products -----	-	58	24	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
206	Sugar and confectionery products -----	-	17	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2062	Cane sugar refining -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2065	Confectionery products -----	E1	16	6	0.3	2.1	0.2	0.4	1.4	7.0	8.1	15.1	0.3	0.5	4.6
207	Fats and oils -----	-	6	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.8	28.7
2079	Shortening and cooking oils -	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
208	Beverages -----	-	56	34	5.3	73.1	3.0	6.0	37.7	347.2	334.7	681.3	17.0	6.4	236.7
2082	Malt beverages -----	-	5	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.6	48.5
2085	Distilled liquor, except brandy -----	-	7	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2086	Bottled and canned soft drinks -----	-	33	22	2.4	31.2	0.9	1.8	9.4	103.1	156.4	258.2	6.3	3.0	72.2
2087	Flavoring extracts and sirups, n.e.c.-----	-	9	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
209	Miscellaneous foods and kindred products -----	-	139	45	4.6	40.6	3.5	6.0	25.2	130.0	279.1	414.8	5.0	4.1	77.4
2091	Canned and cured seafoods -	E2	8	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2092	Fresh or frozen packaged fish -----	-	79	27	2.2	15.1	1.9	3.0	11.2	39.8	111.1	150.9	2.1	1.1	13.3
2099	Food preparations, n.e.c.-----	-	34	11	1.9	21.2	1.3	2.4	10.6	70.4	71.6	147.9	2.6	2.0	52.3
22	Textile mill products --	-	26	10	1.1	8.0	0.9	1.9	6.0	17.4	16.8	34.1	0.6	1.8	19.2
2241	Narrow fabric mills -----	-	4	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
226	Textile finishing, except wool --	-	6	1	0.3	2.1	0.3	0.6	1.7	3.3	3.2	6.6	(D)	BB	(D)
2261	Finishing plants, cotton -----	-	4	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
23	Apparel and other textile products -----	-	249	119	16.2	129.2	13.7	23.9	90.6	267.3	252.2	513.4	3.9	20.5	216.5
2311	Men's and boys' suits and coats -----	-	33	22	4.0	35.0	3.4	6.0	26.5	55.1	88.6	142.9	(D)	6.3	77.7
232	Men's and boys' furnishings ---	-	44	32	3.2	24.2	2.8	4.9	16.3	54.5	67.1	121.2	(D)	4.5	42.1
2321	Men's and boys' shirts and nightwear -----	E2	13	11	1.4	9.0	1.3	2.2	7.5	19.9	15.4	35.2	0.5	1.9	12.9
2323	Men's and boys' neckwear --	-	3	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2327	Men's and boys' separate trousers -----	-	14	8	0.5	3.1	0.4	0.8	2.2	6.8	8.9	15.4	0.1	1.3	15.4
2328	Men's and boys' work clothing -----	-	9	8	0.9	9.1	0.7	1.4	4.3	20.5	35.9	56.6	(D)	0.7	8.6
2329	Men's and boys' clothing, n.e.c. -----	-	5	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	2.3
233	Women's and misses' outerwear -----	-	60	32	3.7	24.9	3.3	5.5	19.1	51.5	22.5	72.2	(D)	4.3	35.9
2331	Women's and misses' blouses and waists -----	-	11	9	1.0	6.1	0.9	1.5	5.0	9.2	2.0	11.4	(D)	CC	(D)
2335	Women's and misses' dresses -----	E4	18	4	0.6	4.1	0.6	1.0	3.1	7.2	2.6	9.8	(D)	1.6	9.4
2337	Women's and misses' suits and coats -----	-	11	6	1.0	6.6	0.9	1.4	5.8	9.8	2.0	11.6	(D)	CC	(D)
2339	Women's and misses' outerwear, n.e.c. -----	-	20	13	1.1	8.0	0.9	1.6	5.2	25.3	15.9	39.5	(D)	0.9	11.5
236	Children's outerwear -----	-	5	5	0.4	2.6	0.4	0.6	2.3	8.5	3.9	12.5	(D)	0.7	5.8
2361	Children's dresses and blouses -----	-	3	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2369	Children's outerwear, n.e.c. --	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.4	3.8

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
23	Apparel and other textile products—Con.														
238	Miscellaneous apparel and accessories -----	-	16	11	3.3	28.5	2.7	4.9	18.6	71.1	47.7	117.0	(D)	FF	(D)
2385	Waterproof outer garments --	-	11	10	3.3	28.2	2.6	4.8	18.4	70.6	47.5	116.3	(D)	FF	(D)
239	Miscellaneous fabricated textile products -----	-	85	15	1.5	13.7	1.1	2.0	7.6	25.7	21.6	45.9	(D)	1.7	18.7
2391	Curtains and draperies -----	E1	18	2	0.2	1.1	0.1	0.2	0.8	2.5	1.7	4.2	(Z)	(NA)	(NA)
2392	House furnishings, n.e.c. -----	E1	12	3	0.2	1.3	0.1	0.2	0.6	3.2	2.9	6.0	0.1	0.2	2.1
2394	Canvas and related products -----	-	29	2	0.4	4.0	0.2	0.4	1.7	6.4	8.6	14.3	0.1	0.4	4.0
2396	Automotive and apparel trimmings -----	-	10	4	0.3	2.6	0.3	0.4	2.0	4.8	4.2	9.0	(Z)	0.4	3.9
2397	Schiffli machine embroideries -----	-	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
24	Lumber and wood products -----	E1	294	60	4.2	40.1	3.6	6.6	29.4	77.5	115.6	192.4	6.7	5.5	74.5
2411	Logging camps and logging contractors -----	E2	72	4	0.3	2.4	0.3	0.4	2.1	10.1	6.5	16.8	1.1	0.2	2.5
242	Sawmills and planing mills -----	E2	90	16	0.9	7.1	0.8	1.6	5.7	14.8	19.7	34.4	1.8	CC	(D)
2421	Sawmills and planing mills, general -----	E3	84	14	0.8	6.7	0.8	1.4	5.4	14.4	18.3	32.7	1.7	CC	(D)
243	Millwork, plywood, and structural members -----	E1	71	24	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.1	27.8
2431	Millwork -----	E1	32	13	0.7	7.2	0.5	1.1	4.8	11.5	23.0	34.3	0.6	1.1	15.8
2434	Wood kitchen cabinets -----	E1	28	6	0.4	4.7	0.4	0.7	3.3	7.3	5.2	12.3	0.5	0.7	7.7
2435	Hardwood veneer and plywood -----	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
244	Wood containers -----	E1	19	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2448	Wood pallets and skids -----	-	11	4	0.2	1.5	0.2	0.3	1.0	2.9	5.3	8.2	0.3	(NA)	(NA)
245	Wood buildings and mobile homes -----	E1	9	4	0.6	6.9	0.5	0.9	5.0	11.2	20.4	32.0	0.4	EE	(D)
2451	Mobile homes -----	-	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2452	Prefabricated wood buildings -----	E4	5	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
249	Miscellaneous wood products --	E1	33	8	0.6	6.3	0.5	1.0	4.7	10.5	22.3	32.1	1.6	CC	(D)
2499	Wood products, n.e.c. -----	E1	28	7	0.5	5.1	0.4	0.8	4.1	9.6	12.7	21.9	(D)	BB	(D)
25	Furniture and fixtures --	E1	108	30	3.6	30.8	2.8	5.1	21.7	51.6	89.4	120.9	(D)	4.2	40.4
251	Household furniture -----	E1	52	15	1.6	14.8	1.3	2.5	9.6	23.3	30.2	53.3	(D)	2.0	24.1
2511	Wood household furniture --	E1	22	4	0.5	4.6	0.5	0.9	3.4	8.4	6.1	14.3	(D)	0.6	8.2
2512	Upholstered household furniture -----	E3	10	3	0.3	2.6	0.2	0.4	1.8	4.1	4.1	8.2	(D)	0.7	7.0
2515	Mattresses and bedsprings --	-	13	7	0.7	6.4	0.5	1.0	3.5	8.4	17.3	25.6	(D)	0.5	5.8
254	Partitions and fixtures -----	E2	35	7	0.5	5.1	0.4	0.8	3.7	8.9	8.1	16.8	(D)	0.2	3.2
2541	Wood partitions and fixtures --	E1	32	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
259	Miscellaneous furniture and fixtures -----	-	16	7	1.4	10.2	1.0	1.8	8.0	18.2	30.1	48.7	(D)	EE	(D)
2591	Drapery hardware and blinds and shades -----	-	7	3	1.0	6.6	0.7	1.2	5.2	11.2	24.8	37.6	(D)	EE	(D)
2599	Furniture and fixtures, n.e.c. --	-	9	4	0.4	3.6	0.3	0.6	2.8	7.0	5.3	11.1	0.1	(NA)	(NA)
26	Paper and allied products -----	-	85	49	10.3	129.2	7.1	13.4	73.2	338.7	330.7	667.8	26.4	9.8	159.5
2621	Paper mills, except building paper -----	-	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2631	Paperboard mills -----	-	3	3	0.4	5.1	0.3	0.7	4.0	12.0	10.9	22.8	0.4	BB	(D)
264	Miscellaneous converted paper products -----	-	33	15	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2642	Envelopes -----	-	5	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.3	4.0
2643	Bags, except textile bags --	-	8	3	0.3	3.3	0.2	0.3	1.6	7.8	9.8	17.6	0.2	(NA)	(NA)
2648	Stationery products -----	-	4	3	0.3	3.1	0.2	0.5	1.9	8.0	10.9	19.3	(D)	AA	(D)
265	Paperboard containers and boxes -----	-	48	30	6.8	76.7	4.5	8.0	37.7	199.2	207.1	401.0	(D)	6.5	93.7
2651	Folding paperboard boxes --	-	9	8	1.5	16.9	1.3	2.3	12.3	33.8	38.6	69.6	4.8	EE	(D)
2653	Corrugated and solid fiber boxes -----	-	22	13	1.1	14.6	0.8	1.6	9.5	24.5	47.8	72.0	2.1	1.8	26.3
2654	Sanitary food containers -----	-	7	6	3.9	41.3	2.1	3.6	13.5	133.3	117.7	249.0	11.9	2.9	45.0
2655	Fiber cans, drums, and similar products -----	E1	5	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry		1977										1972			
			E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
				Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
27	Printing and publishing -----	-	773	167	20.4	263.8	13.5	24.9	157.0	496.6	320.8	821.0	29.1	20.6	345.2	
2711	Newspapers -----	-	85	24	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	5.2	87.0	
2721	Periodicals -----	E1	46	5	0.5	6.3	0.1	0.1	1.0	13.0	3.5	23.1	0.4	1.8	39.0	
273	Books -----	-	63	24	2.8	32.6	1.9	3.6	17.4	64.0	56.5	119.8	5.5	2.4	41.7	
2731	Book publishing -----	-	31	5	0.9	9.8	0.4	0.7	1.2	22.5	14.8	36.8	2.2	0.3	5.1	
2732	Book printing -----	-	32	19	1.9	22.8	1.5	2.8	16.3	41.5	41.7	83.0	3.3	2.2	36.5	
2741	Miscellaneous publishing -----	-	36	2	0.5	4.9	(Z)	0.1	0.3	19.1	14.1	33.0	(D)	0.2	3.4	
275	Commercial printing -----	E1	420	71	7.6	107.0	6.1	11.5	78.4	180.0	137.5	314.7	11.9	7.5	119.6	
2751	Commercial printing, letterpress -----	E4	224	11	1.2	13.8	1.0	1.7	9.7	25.3	17.8	43.1	1.4	2.7	35.6	
2752	Commercial printing, lithographic -----	-	180	58	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)	
2754	Commercial printing, gravure -----	-	7	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)	
2761	Manifold business forms -----	-	14	8	1.5	15.4	1.0	1.9	10.5	40.6	46.6	88.2	2.9	1.3	27.1	
278	Blankbooks and bookbinding --	-	18	11	1.1	10.7	0.9	1.7	8.0	17.9	7.5	25.3	2.4	CC	(D)	
2782	Blankbooks and looseleaf binders -----	-	6	4	0.4	3.9	0.3	0.5	2.4	7.3	4.0	11.1	(D)	BB	(D)	
2789	Bookbinding and related work -----	-	12	7	0.7	6.9	0.6	1.1	5.6	10.7	3.5	14.2	(D)	0.6	7.3	
279	Printing trade services -----	E1	88	21	1.3	18.3	1.1	2.0	14.0	29.2	6.0	35.1	1.8	1.0	16.4	
2791	Typesetting -----	-	58	18	1.1	14.1	0.9	1.6	11.0	23.1	4.0	27.1	1.6	0.8	12.1	
2795	Lithographic platemaking services -----	E1	14	2	0.2	2.9	0.1	0.3	2.1	4.6	1.5	6.1	0.2	AA	(D)	
28	Chemicals and allied products -----	-	177	80	12.7	186.2	8.3	17.3	105.3	673.9	820.0	1 468.3	76.2	13.9	415.0	
281	Industrial inorganic chemicals --	-	21	12	2.5	39.8	1.6	3.6	24.5	120.1	126.8	244.1	20.2	2.6	63.7	
2816	Inorganic pigments -----	-	4	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)	
2819	Industrial inorganic chemicals, n.e.c. -----	-	10	7	1.5	25.0	1.0	2.1	15.4	86.1	68.3	152.5	7.9	1.5	34.8	
282	Plastics materials and synthetics -----	-	8	7	1.6	23.1	1.2	2.6	14.7	67.2	126.9	180.1	4.4	2.9	43.1	
2821	Plastics materials and resins --	-	3	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)	
2823	Cellulosic manmade fibers --	-	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)	
2824	Organic fibers, noncellulosic --	-	3	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)	
283	Drugs -----	-	33	12	1.9	21.5	1.4	2.6	12.7	81.6	43.1	124.2	3.5	0.7	19.8	
2831	Biological products -----	-	12	7	1.3	15.0	1.0	1.9	9.8	48.0	24.9	73.0	(D)	(NA)	(NA)	
2834	Pharmaceutical preparations --	E1	17	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)	
284	Soaps, cleaners, and toilet goods -----	-	28	10	2.8	49.0	1.7	3.6	28.5	250.4	226.8	478.8	18.5	3.4	195.6	
2841	Soap and other detergents --	-	6	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)	
2842	Polishes and sanitation goods -----	E1	15	5	0.2	2.3	0.1	0.2	0.9	14.5	21.3	35.8	(D)	0.5	11.1	
2843	Surface active agents -----	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)	
2844	Toilet preparations -----	-	5	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)	
2851	Paints and allied products -----	-	24	16	1.6	19.8	0.9	1.7	7.1	52.8	81.8	133.0	2.4	1.6	34.8	
286	Industrial organic chemicals --	-	8	3	0.7	11.8	0.4	0.9	5.6	48.9	128.7	168.3	(D)	0.8	21.0	
2865	Cyclic crudes and intermediates -----	-	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)	
287	Agricultural chemicals -----	-	18	9	0.5	5.3	0.4	0.7	3.2	12.3	35.0	47.9	(D)	0.9	16.1	
2875	Fertilizers, mixing only -----	-	14	7	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)	
289	Miscellaneous chemical products -----	-	37	11	1.2	15.9	0.8	1.6	8.9	40.6	51.0	91.7	1.8	1.1	20.9	
2891	Adhesives and sealants -----	-	8	3	0.5	5.5	0.4	0.7	3.7	21.2	16.6	37.8	(D)	0.4	8.1	
2899	Chemical preparations, n.e.c. -----	-	20	7	0.7	8.6	0.4	0.7	4.2	15.0	27.7	42.8	1.4	0.7	11.2	
29	Petroleum and coal products -----	-	37	11	1.1	13.3	0.8	1.5	9.4	39.9	128.5	167.2	2.7	1.2	33.5	
295	Paving and roofing materials --	E1	29	6	0.7	8.5	0.5	1.1	6.7	20.5	46.8	67.9	1.4	0.9	22.7	
2951	Paving mixtures and blocks --	E2	24	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.7	16.4	
2952	Asphalt felts and coatings --	-	5	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	6.3	
299	Miscellaneous petroleum and coal products -----	-	6	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)	
2992	Lubricating oils and greases --	-	5	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)	
30	Rubber and miscellaneous plastics products -----	-	108	45	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	9.9	140.0	
3011	Tires and inner tubes -----	-	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)	
3021	Rubber and plastics footwear --	-	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)	
3069	Fabricated rubber products, n.e.c. -----	-	11	5	0.8	8.0	0.7	1.4	6.1	15.6	11.7	27.2	0.4	CC	(D)	
3079	Miscellaneous plastics products -----	-	94	37	4.3	46.4	3.3	6.4	30.7	101.3	115.0	214.6	11.3	3.4	53.5	

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
31	Leather and leather products -----	E1	18	13	2.1	15.9	1.9	3.5	12.8	33.5	43.7	75.1	2.0	2.2	25.0
3111	Leather tanning and finishing --	-	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
314	Footwear, except rubber -----	E4	8	5	1.0	6.9	0.9	1.7	5.7	11.8	14.2	25.7	(D)	1.6	16.9
3143	Men's footwear, except athletic -----	E6	4	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3149	Footwear, except rubber, n.e.c. -----	-	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3161	Luggage -----	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
32	Stone, clay, and glass products -----	-	204	83	9.2	125.0	7.3	14.5	93.0	276.3	295.1	569.1	(D)	10.4	228.7
3211	Flat glass -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
322	Glass and glassware, pressed or blown -----	-	8	4	1.8	22.8	1.5	2.9	18.8	41.3	21.3	64.1	(D)	EE	(D)
3221	Glass containers -----	-	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3229	Pressed and blown glass, n.e.c. -----	-	6	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3241	Cement, hydraulic -----	-	4	3	0.4	7.7	0.4	0.7	6.8	27.7	19.6	47.4	(D)	BB	(D)
325	Structural clay products -----	-	10	7	0.5	7.3	0.4	0.9	5.5	15.1	11.0	26.2	(D)	0.7	12.7
3251	Brick and structural clay tile -----	-	7	5	0.3	3.4	0.2	0.5	2.4	6.8	3.9	10.7	(D)	BB	(D)
3255	Clay refractories -----	-	3	2	0.2	3.9	0.2	0.4	3.1	8.4	7.1	15.6	(D)	0.3	6.2
326	Pottery and related products -----	-	7	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3264	Porcelain electrical supplies -----	-	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
327	Concrete, gypsum, and plaster products -----	-	131	54	3.9	49.9	2.9	5.9	33.2	120.3	156.9	275.0	(D)	4.0	93.0
3271	Concrete block and brick -----	-	25	14	0.6	7.1	0.4	0.8	3.6	15.2	23.7	39.0	(D)	CC	(D)
3272	Concrete products, n.e.c. -----	E1	52	18	1.1	14.1	0.9	1.7	9.4	34.4	22.2	54.4	(D)	1.6	32.8
3273	Ready-mixed concrete -----	-	51	20	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.3	34.6
3275	Gypsum products -----	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
329	Miscellaneous nonmetallic mineral products -----	-	20	9	1.5	21.6	1.2	2.5	17.8	49.1	66.4	115.3	(D)	1.5	27.3
3292	Asbestos products -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3295	Minerals, ground or treated -----	-	4	3	0.2	3.2	0.2	0.4	2.4	11.4	5.0	16.7	(D)	0.3	9.5
3297	Nonclay refractories -----	-	4	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
33	Primary metal industries -----	-	62	30	25.5	482.6	19.2	35.3	345.9	833.9	1 170.2	2 006.8	(D)	29.6	626.5
331	Blast furnace and basic steel products -----	-	15	11	20.8	403.4	15.6	28.4	287.0	635.9	890.9	1 532.3	(D)	23.7	489.6
3312	Blast furnaces and steel mills -----	-	4	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3315	Steel wire and related products -----	-	7	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3316	Cold finishing of steel shapes -----	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
332	Iron and steel foundries -----	-	8	5	0.6	4.2	0.4	0.7	3.3	10.0	6.6	16.6	0.9	0.5	8.2
3321	Gray iron foundries -----	-	7	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
333	Primary nonferrous metals -----	-	4	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3331	Primary copper -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3334	Primary aluminum -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3341	Secondary nonferrous metals -----	E2	9	3	0.2	2.0	0.1	0.2	1.2	6.6	18.4	24.3	0.3	(NA)	(NA)
335	Nonferrous rolling and drawing -----	-	4	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3354	Aluminum extruded products -----	-	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3357	Nonferrous wire drawing and insulating -----	-	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
336	Nonferrous foundries -----	E2	11	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	2.9
3361	Aluminum foundries -----	E3	4	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
34	Fabricated metal products -----	-	310	111	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	13.9	253.9
341	Metal cans and shipping containers -----	-	17	15	3.0	55.0	2.6	5.4	45.8	138.0	224.2	360.2	3.7	3.8	76.5
3411	Metal cans -----	-	15	13	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
342	Cutlery, hand tools, and hardware -----	-	11	2	0.3	3.2	0.2	0.4	1.7	8.4	7.8	15.6	0.3	0.2	2.7
3429	Hardware, n.e.c. -----	-	7	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
344	Fabricated structural metal products -----	-	161	56	4.9	58.9	3.4	6.6	36.3	116.5	139.1	253.7	7.4	5.6	100.4
3441	Fabricated structural metal -----	-	40	16	1.3	17.4	0.9	1.7	9.6	31.1	33.2	64.3	2.2	1.8	26.1
3442	Metal doors, sash, and trim -----	E1	21	5	0.5	6.0	0.4	0.7	3.4	10.1	7.6	17.5	0.4	0.6	9.0
3443	Fabricated plate work (boiler shops) -----	E1	21	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	6.9
3444	Sheet metal work -----	E1	40	16	1.5	17.0	1.1	2.2	11.9	38.2	40.6	78.7	3.8	1.5	26.0
3446	Architectural metal work -----	-	28	8	0.5	6.0	0.4	0.7	3.7	11.0	7.3	18.2	0.2	CC	(D)
3448	Prefabricated metal buildings -----	-	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3449	Miscellaneous metal work -----	E1	8	6	0.4	4.9	0.2	0.4	2.7	10.8	24.8	35.5	(D)	0.4	8.5

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B.															
SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
34	Fabricated metal products—Con.														
345	Screw machine products, bolts, etc.	E4	6	2	0.3	3.4	0.2	0.5	2.3	6.3	5.4	11.7	(D)	0.2	3.1
3451	Screw machine products	-	3	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
346	Metal forgings and stampings --	-	17	9	0.9	9.2	0.7	1.4	7.0	20.8	30.0	48.5	(D)	0.4	6.4
3469	Metal stampings, n.e.c.	-	12	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
347	Metal services, n.e.c.	E3	39	8	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.7	9.6
3471	Plating and polishing	E2	25	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	3.0
3479	Metal coating and allied services	E3	14	5	0.3	3.8	0.3	0.5	2.6	6.4	5.6	12.0	0.3	0.4	6.6
349	Miscellaneous fabricated metal products	-	52	16	1.5	18.3	1.2	2.3	12.9	51.6	53.3	103.7	2.6	1.7	33.3
3496	Miscellaneous fabricated wire products	E1	14	7	0.6	7.1	0.5	0.9	4.4	13.8	11.9	25.8	1.0	0.5	7.6
3499	Fabricated metal products, n.e.c.	-	35	9	0.8	10.8	0.7	1.3	8.2	37.0	39.7	75.4	1.6	0.9	22.6
35	Machinery, except electrical	-	348	99	19.1	290.0	14.0	28.0	196.9	709.7	518.5	1 212.3	35.9	19.4	396.2
351	Engines and turbines	-	1	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3519	Internal combustion engines, n.e.c.	-	1	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
352	Farm and garden machinery ---	-	6	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3524	Lawn and garden equipment -	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
353	Construction and related machinery	-	14	5	0.7	10.7	0.3	0.7	3.8	17.4	24.2	42.7	0.8	EE	(D)
3531	Construction machinery	-	3	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3535	Conveyors and conveying equipment	-	7	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
354	Metalworking machinery	-	27	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3544	Special dies, tools, jigs, and fixtures	E1	18	3	0.2	3.0	0.2	0.3	2.0	4.9	2.9	8.0	0.3	AA	(D)
3546	Power driven hand tools ---	-	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
355	Special industry machinery	-	41	16	3.3	48.7	2.1	4.1	29.3	101.4	66.5	157.4	3.7	3.1	56.7
3551	Food products machinery	-	11	6	1.0	14.5	0.7	1.3	10.5	38.6	32.5	62.1	0.4	1.0	19.3
3554	Paper industries machinery --	-	4	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3559	Special industry machinery, n.e.c.	-	12	5	1.5	22.4	0.9	1.7	11.6	46.2	18.2	62.3	2.6	1.4	26.0
356	General industrial machinery ---	-	24	9	1.5	21.5	1.0	2.0	12.1	63.8	62.0	126.0	1.9	1.8	37.3
3561	Pumps and pumping equipment	-	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3564	Blowers and fans	-	6	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3566	Power transmission equipment, n.e.c.	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3569	General industrial machinery, n.e.c.	-	11	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
357	Office and computing machines	E1	31	12	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.9	9.9
3573	Electronic computing equipment	E1	27	10	1.1	16.0	0.4	0.8	5.3	40.1	20.4	59.3	3.2	CC	(D)
358	Refrigeration and service machinery	-	25	11	2.3	29.1	1.6	3.1	17.3	59.8	62.0	122.2	1.7	2.7	66.5
3585	Refrigeration and heating equipment	-	14	9	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.5	44.9
3586	Measuring and dispensing pumps	-	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3589	Service industry machinery, n.e.c.	-	8	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
359	Miscellaneous machinery, except electrical	-	179	34	3.5	48.8	2.7	5.7	35.1	88.7	35.0	123.8	19.7	3.1	48.1
3592	Carburetors, pistons, rings, and valves	-	3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3599	Machinery, except electrical, n.e.c.	E1	176	32	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
36	Electric and electronic equipment -	-	179	80	32.2	523.6	17.1	31.9	205.4	953.7	576.1	1 503.7	32.4	27.6	508.2
361	Electric distributing equipment -	-	15	5	1.0	10.4	0.8	1.7	7.4	19.6	13.6	33.4	(D)	0.8	9.7
3613	Switchgear and switchboard apparatus	-	11	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
362	Electrical industrial apparatus --	-	12	6	1.9	21.6	1.3	2.5	12.5	43.9	48.5	87.4	2.2	1.3	16.2
3621	Motors and generators	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3622	Industrial controls	-	6	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3623	Welding apparatus, electric --	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
363	Household appliances	-	7	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.8	20.0
3631	Household cooking equipment	-	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3634	Electric housewares and fans	E1	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3639	Household appliances, n.e.c.	-	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)

See footnotes at end of table.

Table 5. **Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—**
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]															
SIC code	Industry	1977											1972		
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
36	Electric and electronic equipment —Con.														
364	Electric lighting and wiring equipment -----	E5	7	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.3	4.9
365	Radio and TV receiving equipment -----	E2	10	4	0.2	2.2	0.2	0.3	1.4	4.6	6.7	11.5	0.2	(NA)	(NA)
3651	Radio and TV receiving sets -	E1	7	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
366	Communication equipment ----	-	59	31	24.2	437.8	10.9	20.0	150.7	742.8	379.7	1 113.8	21.3	21.5	432.9
3661	Telephone and telegraph apparatus -----	-	3	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3662	Radio and TV communication equipment --	-	56	29	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
367	Electronic components and accessories -----	E1	54	18	1.8	17.4	1.4	2.8	10.7	34.4	17.2	50.2	2.0	1.2	17.1
3679	Electronic components, n.e.c. -----	E1	47	15	1.5	14.7	1.2	2.3	9.3	29.2	15.3	43.2	(D)	EE	(D)
369	Miscellaneous electrical equipment and supplies -----	-	15	9	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.6	6.3
3692	Primary batteries, dry and wet -----	-	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3693	X-ray, electromedical, and electrotherapeutic apparatus -	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3699	Electrical equipment and supplies, n.e.c. -----	E6	7	4	0.2	1.4	0.1	0.2	0.8	2.4	2.1	4.5	(D)	0.2	2.4
37	Transportation equipment -----	-	117	29	15.2	271.5	12.2	25.2	209.5	582.9	1 394.5	1 977.2	17.7	17.3	440.8
371	Motor vehicles and equipment -	-	31	11	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3711	Motor vehicles and car bodies -----	-	2	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3713	Truck and bus bodies -----	E7	14	3	0.3	3.3	0.2	0.4	2.2	6.7	7.3	13.9	(D)	(NA)	(NA)
3714	Motor vehicle parts and accessories -----	-	14	6	0.7	7.9	0.6	1.1	5.8	15.4	20.4	34.0	(D)	0.6	8.5
372	Aircraft and parts -----	-	4	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3728	Aircraft equipment, n.e.c. ----	-	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
373	Ship and boat building and repairing -----	-	75	10	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3731	Ship building and repairing --	-	17	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3732	Boat building and repairing --	E4	58	3	0.3	2.8	0.2	0.4	2.0	4.7	4.0	8.6	0.2	CC	(D)
376	Guided missiles, space vehicles, parts -----	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3764	Space propulsion units and parts -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3769	Space vehicle equipment, n.e.c. -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
379	Miscellaneous transportation equipment -----	-	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3792	Travel trailers and campers --	-	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
38	Instruments and related products -----	E1	107	26	3.1	39.3	2.1	4.3	20.9	72.8	41.8	109.0	2.7	2.9	48.8
3811	Engineering and scientific instruments -----	E1	25	6	0.7	9.9	0.4	0.9	4.5	23.8	11.8	31.0	1.0	0.7	12.4
382	Measuring and controlling devices -----	E1	23	8	0.8	11.4	0.4	0.9	4.3	14.9	8.8	22.6	0.5	CC	(D)
3822	Environmental controls -----	-	4	4	0.5	8.0	0.2	0.5	2.3	8.9	4.8	13.3	0.3	BB	(D)
3832	Optical instruments and lenses -----	-	14	4	0.5	6.5	0.4	0.8	4.2	11.1	5.0	15.8	0.3	0.2	3.0
3851	Ophthalmic goods -----	-	10	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3861	Photographic equipment and supplies -----	E1	10	3	0.2	2.8	0.1	0.2	1.4	4.5	4.3	8.8	(D)	0.2	5.2
39	Miscellaneous manufacturing industries -----	-	154	34	3.5	34.4	2.7	5.2	22.0	78.4	64.8	141.5	2.7	3.4	47.4
391	Jewelry, silverware, and plated ware -----	-	10	4	0.4	4.5	0.3	0.5	2.0	8.6	5.3	14.2	(D)	0.4	5.4
3914	Silverware and plated ware --	-	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3931	Musical instruments -----	E1	7	2	0.3	3.3	0.2	0.5	2.5	5.2	1.5	6.5	(D)	BB	(D)
394	Toys and sporting goods -----	-	32	4	0.5	4.2	0.4	0.7	2.5	16.0	16.4	32.5	(D)	0.7	12.6
3944	Games, toys, and children's vehicles -----	-	15	4	0.4	3.6	0.3	0.6	2.1	14.4	15.0	29.7	(D)	CC	(D)
399	Miscellaneous manufactures ---	-	88	22	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.9	24.2
3991	Brooms and brushes -----	-	7	5	0.8	7.8	0.6	1.3	5.2	16.0	21.4	35.8	0.4	0.9	9.9
3993	Signs and advertising displays -----	E2	43	11	0.7	7.0	0.5	1.0	4.6	12.5	7.5	19.9	0.3	0.6	7.3
3999	Manufacturing industries, n.e.c. -----	-	37	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
-	Administrative and auxiliary -----	-	129	74	14.7	255.6	-	-	-	-	-	-	-	(NA)	(NA)

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Statistics for some industry groups and industries are withheld to avoid disclosing figures for individual companies. However, for such industry groups and industries with 150 employees or more, number of establishments is shown and employment size range is indicated by one of the following symbols: AA—150 to 249 employees; BB—250 to 499 employees; CC—500 to 999 employees; EE—1,000 to 2,499 employees; FF—2,500 employees or more. Statistics for industry groups shown include data for all component industries, regardless of whether data are shown for individual industries in the group.

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Philadelphia-Wilmington-Trenton, Pa.-Del.-N.J.-Md., SCSA	-	8 964	3 306	550.5	8 072.4	343.8	667.7	4 192.6	15 796.6	22 402.4	35 008.3	921.5	597.8	11 008.5
20	Food and kindred products --	-	587	256	41.5	554.3	29.1	57.4	348.8	1 542.4	2 895.6	4 528.2	(D)	43.9	997.5
201	Meat products	E1	113	52	7.9	109.0	6.1	12.2	76.1	254.6	1 049.7	1 299.4	24.9	(NA)	(NA)
2017	Poultry and egg processing	-	5	5	0.9	9.4	0.7	1.5	6.5	23.6	89.4	113.0	2.3	(NA)	(NA)
203	Preserved fruits and vegetables	-	59	29	6.3	74.8	4.9	9.2	50.9	227.1	334.2	561.6	11.7	(NA)	(NA)
204	Grain mill products	-	24	7	0.9	12.3	0.7	1.3	8.3	58.8	105.1	164.9	(D)	(NA)	(NA)
2052	Cookies and crackers	-	17	5	2.9	41.8	2.5	5.3	35.2	136.2	88.2	224.6	(D)	(NA)	(NA)
2087	Flavoring extracts and sirups, n.e.c.	E2	13	6	0.5	7.0	0.3	0.7	4.0	24.8	27.1	51.1	(D)	(NA)	(NA)
2231	Weaving and finishing mills, wool	E4	9	4	0.3	2.1	0.2	0.3	1.5	3.1	1.4	4.5	0.1	(NA)	(NA)
2241	Narrow fabric mills	E1	10	5	0.3	2.7	0.3	0.6	2.1	5.7	5.2	10.8	0.2	(NA)	(NA)
2258	Warp knit fabric mills	-	12	6	0.5	6.1	0.5	0.9	4.5	13.2	16.4	29.5	0.5	(NA)	(NA)
228	Yarn and thread mills	E1	28	23	1.9	15.3	1.7	3.3	12.3	26.9	38.0	64.8	1.5	(NA)	(NA)
2281	Yarn mills, except wool	E4	8	5	0.6	5.3	0.6	1.1	4.4	11.3	15.4	26.3	(D)	(NA)	(NA)
2282	Throwing and winding mills	-	8	8	0.6	4.5	0.5	1.1	3.8	5.8	7.7	13.7	0.1	(NA)	(NA)
2283	Wool yarn mills	-	8	7	0.3	3.1	0.3	0.6	2.4	4.8	6.7	11.4	(D)	(NA)	(NA)
2284	Thread mills	-	4	3	0.3	2.4	0.3	0.5	1.8	5.0	8.2	13.4	(D)	(NA)	(NA)
23	Apparel and other textile products	-	663	348	35.5	288.1	30.4	52.8	211.9	578.2	571.3	1 127.6	(D)	48.6	490.2
234	Women's and children's undergarments	-	11	8	0.8	5.4	0.7	1.3	3.8	11.9	11.1	23.4	0.1	(NA)	(NA)
2363	Children's coats and suits	-	5	4	0.4	3.3	0.4	0.7	2.8	6.7	2.0	8.7	(D)	(NA)	(NA)
2369	Children's outerwear, n.e.c.	-	7	7	0.7	5.2	0.5	0.8	4.0	4.2	5.5	12.3	(D)	(NA)	(NA)
2395	Pleating and stitching	E1	17	3	0.3	2.6	0.3	0.3	1.7	4.8	2.2	7.0	(D)	(NA)	(NA)
2514	Metal household furniture	E1	19	12	1.6	14.5	1.3	2.6	10.4	21.5	33.7	58.5	0.2	(NA)	(NA)
252	Office furniture	-	17	7	1.6	20.9	1.3	2.4	14.1	42.8	32.7	74.6	1.2	(NA)	(NA)
26	Paper and allied products --	-	266	150	18.9	263.9	14.6	28.2	181.9	660.6	849.8	1 504.6	38.7	21.2	419.1
2643	Bags, except textile bags	E3	15	6	1.3	16.9	0.9	1.9	10.7	36.8	52.6	88.9	1.8	(NA)	(NA)
2648	Stationery products	-	11	2	0.3	3.3	0.3	0.5	2.6	6.3	7.2	13.5	(D)	(NA)	(NA)
2649	Converted paper products, n.e.c.	-	30	13	0.9	10.2	0.6	1.2	6.0	25.5	30.3	55.5	1.9	(NA)	(NA)
2652	Setup paperboard boxes	-	11	10	0.6	6.2	0.6	1.0	4.7	9.2	8.7	17.7	0.7	(NA)	(NA)
2654	Sanitary food containers	-	8	5	0.5	5.7	0.4	0.7	4.1	9.5	40.3	49.8	0.8	(NA)	(NA)
27	Printing and publishing	-	1 324	289	41.4	537.8	24.1	43.3	291.8	1 186.5	685.0	1 872.9	57.4	41.0	743.0
2721	Periodicals	-	62	15	3.5	41.9	0.7	1.2	6.2	251.4	153.8	405.0	1.1	(NA)	(NA)
2752	Commercial printing, lithographic	E1	322	78	8.6	97.1	4.9	9.1	66.1	156.9	116.0	277.8	7.1	(NA)	(NA)
279	Printing trade services	-	115	29	3.2	45.1	2.5	4.6	33.2	73.7	17.1	90.4	3.8	(NA)	(NA)
28	Chemicals and allied products	-	421	197	42.5	747.6	26.1	51.6	397.4	2 684.0	2 619.3	5 288.0	(D)	44.8	1 728.3
289	Miscellaneous chemical products	-	110	42	3.5	43.8	2.1	4.1	22.5	114.7	129.6	239.8	(D)	(NA)	(NA)
30	Rubber and miscellaneous plastics products	-	343	163	21.9	291.2	16.8	33.0	200.1	630.3	722.9	1 337.5	39.0	23.6	472.2
3011	Tires and inner tubes	-	5	3	5.2	83.3	4.2	8.2	65.6	208.5	280.7	470.5	7.7	(NA)	(NA)
3079	Miscellaneous plastics products	-	287	129	12.4	152.3	9.4	18.5	98.1	333.2	348.5	682.3	(D)	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Philadelphia-Wilmington-Trenton, Pa-Del.-N.J.-Md., SCSA—Con.														
32	Stone, clay, and glass products	-	381	145	16.8	220.2	13.1	25.9	157.3	488.4	436.9	928.5	30.7	19.6	376.2
3272	Concrete products, n.e.c.	E2	61	22	1.1	13.7	0.9	1.7	9.2	27.7	18.0	46.1	1.3	(NA)	(NA)
3317	Steel pipe and tubes	-	10	8	1.5	20.9	1.1	2.2	15.1	26.4	28.3	56.0	1.2	(NA)	(NA)
339	Miscellaneous primary metal products	-	35	15	1.1	17.4	0.8	1.6	11.1	50.5	40.7	90.0	2.9	(NA)	(NA)
3398	Metal heat treating	-	19	9	0.5	6.0	0.4	0.7	4.0	11.3	3.8	15.1	(D)	(NA)	(NA)
3399	Primary metal products, n.e.c.	-	16	6	0.7	11.3	0.5	0.9	7.1	39.2	36.9	74.9	(D)	(NA)	(NA)
341	Metal cans and shipping containers	-	18	16	3.1	49.0	2.7	5.3	41.0	134.9	205.6	335.6	3.7	(NA)	(NA)
3411	Metal cans	-	13	12	2.6	42.7	2.3	4.6	36.6	119.8	180.7	296.1	(D)	(NA)	(NA)
3412	Metal barrels, drums, and pails	-	5	4	0.5	6.3	0.4	0.7	4.4	15.1	24.9	39.5	(D)	(NA)	(NA)
3433	Heating equipment, except electric	-	17	7	0.9	11.1	0.5	1.0	5.6	21.6	24.9	46.6	1.0	(NA)	(NA)
3444	Sheet metal work	-	122	35	3.3	38.4	2.4	4.5	25.1	68.8	80.8	148.7	3.7	(NA)	(NA)
3452	Bolts, nuts, rivets, and washers	-	26	17	3.0	40.4	2.4	4.9	31.2	90.3	59.0	147.9	(D)	(NA)	(NA)
3495	Wire springs	-	9	6	0.5	5.2	0.4	0.8	3.8	8.5	9.9	18.3	0.7	(NA)	(NA)
35	Machinery, except electrical	-	1 294	333	51.4	751.3	32.3	68.7	419.1	1 355.6	1 127.3	2 463.7	(D)	51.7	1 015.9
3535	Conveyors and conveying equipment	-	19	10	1.5	22.2	0.9	1.6	10.6	48.3	35.3	81.5	0.7	(NA)	(NA)
354	Metalworking machinery	E1	279	49	4.7	75.4	3.6	7.7	54.3	130.5	59.2	187.2	(D)	(NA)	(NA)
3542	Machine tools, metal forming types	-	12	4	0.6	10.5	0.4	0.9	6.4	22.1	15.0	36.4	1.2	(NA)	(NA)
3551	Food products machinery	-	16	7	0.5	7.3	0.3	0.6	3.5	13.9	9.8	24.0	0.3	(NA)	(NA)
3554	Paper industries machinery	-	15	7	1.3	20.5	0.7	1.5	10.7	35.2	24.1	58.7	1.4	(NA)	(NA)
3585	Refrigeration and heating equipment	-	33	18	4.1	45.4	2.9	9.5	29.0	91.6	99.0	188.0	(D)	(NA)	(NA)
359	Miscellaneous machinery, except electrical	E1	494	68	5.5	72.1	4.4	8.6	50.2	129.5	71.5	199.2	(D)	(NA)	(NA)
36	Electric and electronic equipment	-	475	199	41.2	557.8	29.2	55.2	340.5	1 076.6	978.7	2 029.3	46.1	55.9	978.4
3612	Transformers	-	9	3	0.4	3.9	0.3	0.6	2.8	7.9	7.0	14.9	0.1	(NA)	(NA)
364	Electric lighting and wiring equipment	-	97	45	7.6	80.8	5.6	10.3	47.7	184.5	207.3	383.5	(D)	(NA)	(NA)
3644	Noncurrent-carrying wiring devices	E1	10	7	0.8	10.7	0.7	1.2	6.9	24.0	30.8	53.7	0.6	(NA)	(NA)
3646	Commercial lighting fixtures	-	11	5	1.3	13.1	1.0	1.7	8.4	32.9	69.5	101.2	1.5	(NA)	(NA)
3676	Electronic resistors	-	7	4	0.8	7.7	0.7	1.3	5.7	15.3	5.3	21.3	0.7	(NA)	(NA)
3678	Electronic connectors	-	5	3	0.3	2.7	0.2	0.4	1.8	5.9	4.2	10.3	(D)	(NA)	(NA)
3724	Aircraft engines and engine parts	-	8	4	0.4	6.3	0.3	0.6	3.8	11.6	6.8	18.1	0.6	(NA)	(NA)
3991	Brooms and brushes	-	11	5	0.4	4.3	0.2	0.4	1.7	5.3	5.8	10.5	0.1	(NA)	(NA)
	Baltimore SMSA	-	2 175	798	165.9	2 441.5	109.5	210.0	1 413.4	5 169.5	6 304.6	11 388.0	395.5	179.7	3 468.7
20	Food and kindred products	-	192	94	14.2	178.4	8.9	17.2	98.4	651.6	914.2	1 567.7	29.3	18.0	474.8
201	Meat products	-	30	15	2.0	24.2	1.4	2.8	15.8	46.5	130.3	175.4	2.0	3.5	46.9
2011	Meat packing plants	-	12	3	1.3	17.1	0.9	1.9	11.1	30.6	92.1	121.9	0.7	(NA)	(NA)
202	Dairy products	-	15	11	1.7	20.9	0.7	1.5	7.3	78.2	125.1	202.7	3.7	2.1	58.9
203	Preserved fruits and vegetables	-	14	5	0.4	3.9	0.4	0.7	2.9	10.9	24.0	34.9	0.5	(NA)	(NA)
205	Bakery products	-	30	13	2.1	24.3	1.3	2.3	13.2	57.2	38.2	95.4	2.4	(NA)	(NA)
209	Miscellaneous foods and kindred products	-	41	15	2.0	21.7	1.3	2.5	11.2	75.5	122.1	203.5	2.5	1.8	43.3
22	Textile mill products	-	15	6	0.7	5.2	0.6	1.2	4.0	8.0	10.1	17.9	0.3	(NA)	(NA)
23	Apparel and other textile products	-	171	74	10.4	90.9	8.3	14.7	58.5	189.8	215.6	399.4	3.1	13.4	158.2
232	Men's and boys' furnishings	-	27	16	1.4	12.4	1.1	1.9	6.6	27.9	51.5	79.3	0.5	2.2	25.9
233	Women's and misses' outerwear	-	36	15	1.3	9.2	1.0	1.9	5.9	27.8	16.3	42.4	(D)	1.8	18.8
25	Furniture and fixtures	E1	59	16	2.2	17.8	1.6	3.0	12.6	26.6	46.2	74.1	1.5	3.3	27.8
251	Household furniture	E2	31	8	0.8	7.9	0.7	1.3	4.9	9.7	17.5	27.0	(D)	1.3	14.1
259	Miscellaneous furniture and fixtures	-	8	4	1.0	7.0	0.7	1.3	5.6	11.9	24.6	38.2	(D)	(NA)	(NA)
26	Paper and allied products	-	67	42	7.5	85.3	5.0	9.1	43.0	219.2	230.2	444.9	(D)	(NA)	(NA)
264	Miscellaneous converted paper products	-	25	12	1.0	9.9	0.7	1.3	5.8	21.7	27.0	49.0	(D)	(NA)	(NA)
2648	Stationery products	-	4	3	0.3	3.1	0.2	0.5	1.9	8.0	10.9	19.3	(D)	(NA)	(NA)
265	Paperboard containers and boxes	-	39	27	6.2	70.3	4.0	7.0	33.3	185.5	192.2	373.0	(D)	(NA)	(NA)
2651	Folding paperboard boxes	-	9	8	1.5	16.9	1.3	2.3	12.3	33.8	38.6	69.6	4.8	(NA)	(NA)
2653	Corrugated and solid fiber boxes	-	16	12	0.9	12.2	0.7	1.3	7.8	20.9	40.5	61.1	1.8	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

(Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Baltimore SMSA—Con.														
27	Printing and publishing -----	-	407	89	11.2	142.6	7.1	12.9	81.6	250.8	139.3	389.7	12.2	11.6	176.6
2711	Newspapers -----	-	30	11	3.6	48.9	1.7	2.8	18.7	87.7	35.4	123.2	1.9	3.7	56.8
273	Books -----	-	26	9	0.8	10.6	0.5	0.9	6.5	19.1	22.1	40.8	(D)	0.8	14.0
275	Commercial printing -----	E1	238	38	3.8	50.9	3.0	5.6	35.8	84.6	60.6	144.7	6.2	4.6	71.6
2752	Commercial printing, lithographic -----	-	106	31	2.8	37.2	2.2	4.2	25.5	59.3	44.7	103.2	4.9	2.5	39.1
2782	Blankbooks and looseleaf binders -----	-	6	4	0.4	3.9	0.3	0.5	2.4	7.3	4.0	11.1	(D)	(NA)	(NA)
279	Printing trade services -----	-	53	15	0.9	12.3	0.7	1.4	9.5	19.6	4.1	23.7	1.1	0.7	9.8
2791	Typesetting -----	-	42	13	0.8	10.1	0.6	1.2	7.8	16.2	2.7	19.0	1.0	(NA)	(NA)
28	Chemicals and allied products -----	-	117	55	9.9	150.7	6.3	13.2	84.4	568.1	649.2	1 192.1	57.8	10.2	348.8
284	Soaps, cleaners, and toilet goods -----	-	21	8	2.7	47.8	1.6	3.5	27.8	239.9	209.2	450.8	18.3	(NA)	(NA)
287	Agricultural chemicals -----	-	8	6	0.3	3.7	0.2	0.5	2.3	7.9	25.2	33.4	(D)	(NA)	(NA)
288	Miscellaneous chemical products -----	-	23	6	1.0	13.1	0.6	1.3	7.3	34.4	42.5	77.1	(D)	0.8	17.7
29	Petroleum and coal products -----	-	26	8	0.8	9.3	0.5	1.0	6.1	32.0	114.6	145.4	2.3	0.7	20.1
295	Paving and roofing materials -----	-	18	3	0.3	4.4	0.3	0.6	3.4	12.7	32.9	46.2	1.0	0.3	9.8
30	Rubber and miscellaneous plastics products -----	-	70	35	6.0	54.2	4.9	9.5	39.2	113.2	118.0	230.5	9.0	6.6	75.1
3079	Miscellaneous plastics products -----	-	60	29	3.3	35.6	2.6	4.9	23.6	75.6	86.1	161.8	7.7	2.7	41.9
32	Stone, clay, and glass products -----	-	93	43	5.7	80.4	4.6	9.3	61.6	180.1	188.7	367.4	(D)	6.1	135.1
327	Concrete, gypsum, and plaster products -----	-	56	27	1.8	24.6	1.3	2.6	15.6	63.1	81.7	142.9	(D)	2.1	57.3
3272	Concrete products, n.e.c. -----	E1	26	12	0.8	10.9	0.6	1.3	7.4	28.2	18.4	44.4	(D)	1.1	24.1
3273	Ready-mixed concrete -----	-	19	8	0.4	6.3	0.3	0.5	3.2	14.9	27.9	42.8	(D)	(NA)	(NA)
329	Miscellaneous nonmetallic mineral products -----	-	13	7	1.4	20.1	1.2	2.3	16.8	45.2	65.3	110.3	(D)	(NA)	(NA)
33	Primary metal industries -----	-	44	21	24.0	457.1	18.0	33.1	328.3	781.0	1 077.0	1 860.2	(D)	28.5	593.9
34	Fabricated metal products -----	-	211	75	8.1	113.7	6.5	13.2	85.2	270.3	366.4	630.7	15.3	8.6	181.1
341	Metal cans and shipping containers -----	-	14	12	2.7	49.8	2.3	4.8	41.3	116.2	188.9	303.4	(D)	(NA)	(NA)
344	Fabricated structural metal products -----	E1	107	35	2.8	33.2	2.0	4.1	21.7	75.3	90.7	165.5	5.4	3.1	51.8
3441	Fabricated structural metal -----	E1	24	9	0.6	7.1	0.4	0.9	4.3	14.8	19.8	34.7	1.1	0.6	8.5
3444	Sheet metal work -----	-	29	13	1.2	14.3	0.9	1.9	9.9	34.4	37.8	72.1	3.2	1.3	22.7
345	Screw machine products, bolts, etc. -----	E4	6	2	0.3	3.4	0.2	0.5	2.3	6.3	5.4	11.7	(D)	(NA)	(NA)
347	Metal services, n.e.c. -----	E2	29	7	0.5	5.6	0.4	0.8	3.8	9.9	6.3	16.1	0.5	(NA)	(NA)
349	Miscellaneous fabricated metal products -----	E1	37	12	0.9	12.0	0.8	1.5	9.0	39.3	42.4	80.4	(D)	1.1	23.7
35	Machinery, except electrical -----	-	223	67	11.4	162.3	8.1	16.1	104.2	431.7	265.8	691.1	28.6	12.4	248.6
3551	Food products machinery -----	-	11	6	1.0	14.5	0.7	1.3	10.5	38.6	32.5	62.1	0.4	(NA)	(NA)
358	Refrigeration and service machinery -----	-	13	5	0.9	12.7	0.7	1.2	7.4	28.7	22.5	51.5	(D)	1.7	51.0
359	Miscellaneous machinery, except electrical -----	-	118	27	3.0	43.4	2.4	4.9	31.3	78.6	29.8	108.6	(D)	2.7	42.3
36	Electric and electronic equipment -----	-	92	42	24.7	424.7	12.8	23.6	165.4	764.5	483.9	1 215.4	25.0	21.8	410.0
366	Communication equipment -----	-	22	12	19.4	365.0	8.8	15.9	127.0	605.5	319.0	911.1	17.2	18.2	366.4
367	Electronic components and accessories -----	-	24	9	0.8	7.9	0.7	1.3	5.5	15.6	9.3	24.2	0.6	(NA)	(NA)
38	Instruments and related products -----	-	41	13	1.2	15.4	0.9	1.8	9.1	33.9	17.9	46.4	0.9	1.4	25.7
3811	Engineering and scientific instruments -----	-	11	4	0.5	7.4	0.3	0.7	3.4	20.0	9.6	25.1	(D)	(NA)	(NA)
39	Miscellaneous manufacturing industries -----	-	85	22	2.2	21.2	1.7	3.1	13.1	49.5	38.3	87.9	1.6	1.8	25.8
394	Toys and sporting goods -----	-	20	3	0.4	2.9	0.3	0.5	1.6	10.0	9.7	19.6	0.5	(NA)	(NA)
-	Administrative and auxiliary -----	-	74	44	9.0	150.8	-	-	-	-	-	-	-	(NA)	(NA)
	Washington, D.C.-Md.-Va., SMSA-----	-	2 054	510	60.5	930.9	29.8	56.1	354.5	1 820.7	1 435.2	3 233.5	(D)	54.9	1 068.2
20	Food and kindred products -----	-	80	39	4.9	76.8	2.3	4.8	32.7	203.4	416.0	618.8	11.4	5.2	141.0
202	Dairy products -----	-	15	10	0.9	16.3	0.4	1.0	7.9	43.0	191.9	235.3	3.4	0.9	32.8
2026	Fluid milk -----	-	6	4	0.6	11.1	0.3	0.6	5.1	31.1	110.0	141.3	2.1	0.6	24.9
205	Bakery products -----	-	26	11	2.1	35.1	0.9	1.9	14.4	74.3	61.0	134.1	4.6	1.5	44.5
2051	Bread, cake, and related products -----	-	26	11	2.1	35.1	0.9	1.9	14.4	74.3	61.0	134.1	4.6	1.5	44.5
208	Beverages -----	-	13	8	1.1	16.1	0.4	0.9	4.5	49.6	72.1	121.5	2.2	1.4	32.6
209	Miscellaneous foods and kindred products -----	-	16	6	0.5	4.8	0.4	0.7	3.3	21.8	50.9	72.4	0.9	0.6	15.8

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977											1972		
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Washington, D.C.-Md.-Va., SMSA—Con.														
24	Lumber and wood products--	E4	75	10	0.8	8.1	0.6	1.2	5.5	15.1	17.2	32.1	1.1	0.8	11.5
243	Millwork, plywood, and structural members-----	E3	28	8	0.5	5.9	0.4	0.8	3.8	9.7	12.5	21.9	0.7	0.6	6.6
25	Furniture and fixtures-----	E3	63	11	0.8	8.2	0.7	1.2	5.5	15.8	17.0	32.8	0.5	0.6	8.1
251	Household furniture-----	E1	20	3	0.3	2.6	0.2	0.5	1.6	5.6	8.5	14.1	0.2	(NA)	(NA)
259	Miscellaneous furniture and fixtures-----	E4	13	4	0.3	3.1	0.2	0.4	2.2	5.9	5.1	11.0	0.2	0.3	3.6
26	Paper and allied products---	-	15	6	0.7	9.7	0.6	1.0	6.9	20.1	15.0	35.1	0.7	0.6	9.0
264	Miscellaneous converted paper products-----	-	8	3	0.4	6.2	0.3	0.6	4.8	12.7	11.4	24.2	0.6	(NA)	(NA)
265	Paperboard containers and boxes-----	E1	7	3	0.3	3.5	0.2	0.4	2.1	7.5	3.6	10.9	0.1	(NA)	(NA)
27	Printing and publishing-----	-	863	185	22.8	339.8	11.3	19.9	146.0	857.0	481.8	1 337.8	28.2	21.6	423.1
2711	Newspapers-----	-	75	17	6.5	102.9	2.6	4.0	38.8	219.4	95.7	314.6	7.1	7.0	127.6
2721	Periodicals-----	-	118	25	4.0	60.0	0.2	0.4	2.7	195.5	128.4	328.7	2.8	4.6	123.2
275	Commercial printing-----	E1	406	79	6.2	93.2	4.9	9.1	66.4	158.6	122.3	279.1	9.5	5.4	87.8
2751	Commercial printing, letterpress-----	E4	203	18	1.2	14.0	1.0	1.7	10.0	25.7	17.9	43.5	1.4	1.5	21.5
2752	Commercial printing, lithographic-----	-	185	60	4.9	77.7	3.8	7.3	55.5	130.6	103.3	232.2	8.0	3.7	63.7
279	Printing trade services-----	E1	96	22	1.3	19.2	1.0	1.9	14.3	30.9	5.9	36.5	1.5	1.3	22.9
2791	Typesetting-----	E1	80	18	1.0	12.9	0.8	1.4	9.9	21.0	2.8	23.7	1.3	1.0	16.3
2795	Lithographic platemaking services--	-	12	4	0.3	6.2	0.2	0.5	4.3	9.7	3.0	12.6	(D)	(NA)	(NA)
28	Chemicals and allied products-----	E1	44	11	1.4	18.5	0.9	1.7	8.2	45.1	44.9	88.0	12.8	1.1	25.7
283	Drugs-----	-	12	6	0.8	8.9	0.5	0.9	3.6	20.1	14.5	34.6	(D)	(NA)	(NA)
2834	Pharmaceutical preparations-----	-	4	3	0.4	3.9	0.2	0.4	1.4	9.7	8.8	18.5	(D)	(NA)	(NA)
289	Miscellaneous chemical products-----	-	13	1	0.3	4.9	0.2	0.3	2.4	9.1	13.8	22.5	(D)	(NA)	(NA)
30	Rubber and miscellaneous plastics products-----	E1	29	6	0.4	4.7	0.3	0.6	2.6	7.8	8.7	16.4	1.3	(NA)	(NA)
32	Stone, clay, and glass products-----	-	78	33	2.7	33.8	2.1	4.2	24.2	77.3	90.6	167.6	5.2	3.1	62.2
327	Concrete, gypsum, and plaster products-----	-	54	27	2.4	30.5	1.8	3.8	22.0	70.4	86.4	156.4	4.8	2.6	55.9
3271	Concrete block and brick-----	-	10	5	0.3	3.3	0.2	0.3	1.6	7.1	11.4	18.5	0.5	(NA)	(NA)
3272	Concrete products, n.e.c.-----	E1	20	9	0.5	5.1	0.4	0.7	3.2	10.8	6.6	17.2	0.8	0.8	12.3
3273	Ready-mixed concrete--	-	24	13	1.7	22.1	1.3	2.7	17.2	52.5	68.4	120.7	3.5	1.6	38.5
34	Fabricated metal products---	E1	124	37	2.8	37.9	2.1	3.9	24.0	62.2	67.5	127.7	3.7	2.8	46.6
344	Fabricated structural metal products-----	-	75	30	2.4	33.2	1.7	3.2	20.7	53.7	61.6	113.3	3.0	2.4	40.5
3441	Fabricated structural metal-----	E1	17	12	0.9	13.5	0.7	1.4	7.7	23.8	28.9	50.9	1.4	1.0	18.4
3443	Fabricated plate work (boiler shops)-----	-	5	2	0.3	3.8	0.2	0.4	3.1	5.0	2.6	7.4	(D)	(NA)	(NA)
3444	Sheet metal work-----	-	16	4	0.5	6.8	0.4	0.7	5.3	10.9	10.0	20.9	0.3	0.4	6.3
3446	Architectural metal work-----	-	26	7	0.4	5.4	0.3	0.5	3.0	9.2	6.0	15.2	(D)	0.5	6.4
35	Machinery, except electrical-	E1	128	26	1.9	25.4	1.2	2.4	13.2	51.3	29.6	80.2	(D)	2.2	29.4
358	Refrigeration and service machinery-----	-	11	4	0.3	4.1	0.2	0.4	2.1	10.2	7.2	17.3	0.2	0.3	5.5
3585	Refrigeration and heating equipment-----	-	8	4	0.3	3.8	0.2	0.4	1.9	9.7	7.0	16.5	(D)	(NA)	(NA)
359	Miscellaneous machinery, except electrical-----	E2	64	8	0.6	7.0	0.5	0.9	5.0	12.0	6.1	17.9	0.8	0.6	7.6
3599	Machinery, except electrical, n.e.c.-----	E2	64	8	0.6	7.0	0.5	0.9	5.0	12.0	6.1	17.9	0.8	0.6	7.6
36	Electric and electronic equipment-----	-	148	50	10.7	178.0	4.4	8.6	46.2	345.9	151.5	482.2	16.1	8.3	203.3
366	Communication equipment-----	-	66	32	9.2	159.9	3.3	6.4	36.0	312.6	128.3	426.0	13.3	4.5	94.5
367	Electronic components and accessories-----	E3	44	9	0.8	9.0	0.6	1.2	5.5	16.5	9.2	25.3	1.7	3.0	97.2
3679	Electronic components, n.e.c.-----	E4	36	5	0.4	4.8	0.3	0.5	3.0	8.9	5.4	14.1	1.1	(NA)	(NA)
37	Transportation equipment---	-	16	3	0.7	11.4	0.6	1.3	9.2	19.3	14.3	34.7	0.5	1.5	33.3
38	Instruments and related products-----	-	90	26	2.9	44.6	1.5	2.8	18.4	70.2	36.4	105.0	3.0	1.5	26.4
3811	Engineering and scientific instruments--	E4	17	4	0.3	3.9	0.2	0.3	2.1	6.7	3.4	9.7	0.7	0.4	5.8
382	Measuring and controlling devices-----	-	23	9	1.4	23.6	0.8	1.6	10.6	31.1	13.6	44.5	1.1	(NA)	(NA)
3832	Optical instruments and lenses-----	-	11	5	0.4	5.2	0.1	0.3	1.6	10.3	5.4	15.2	0.4	0.3	6.4

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Washington, D.C.-Md.-Va., SMSA—Con.														
38	Instruments and related products—Con.														
384	Medical instruments and supplies -----	-	17	3	0.4	5.6	0.2	0.3	1.5	10.0	6.3	16.0	0.5	(NA)	(NA)
3881	Photographic equipment and supplies -----	-	13	4	0.4	5.9	0.2	0.3	2.3	11.4	7.3	18.5	0.3	0.4	7.0
39	Miscellaneous manufacturing industries ---	E3	87	11	0.7	7.9	0.5	0.9	4.6	13.2	8.6	21.8	0.4	0.9	12.0
399	Miscellaneous manufactures -----	E3	54	9	0.6	6.5	0.4	0.7	3.8	10.7	6.1	16.8	0.3	0.7	10.4
3993	Signs and advertising displays -----	E2	35	8	0.5	5.8	0.3	0.6	3.4	9.3	5.0	14.3	0.3	0.5	7.5
-	Administrative and auxiliary --	-	146	48	5.3	116.0	-	-	-	-	-	-	-	(NA)	(NA)
	Wilmington, Del.-N.J.-Md., SMSA -----	-	530	212	62.8	1 169.3	29.7	57.5	419.3	1 481.6	3 435.7	4 874.6	158.4	64.1	1 161.3
20	Food and kindred products --	E1	43	17	1.4	15.6	0.9	1.8	7.7	34.7	70.1	105.1	(D)	2.3	46.0
201	Meat products -----	E1	11	3	0.3	2.2	0.3	0.7	2.0	3.3	10.5	13.8	0.3	0.3	2.4
22	Textile mill products-----	-	8	4	0.6	6.1	0.5	1.0	4.4	10.9	11.3	22.9	0.9	0.8	8.0
23	Apparel and other textile products-----	-	25	15	1.2	7.0	1.2	2.0	6.3	17.2	5.9	23.7	0.2	1.5	12.5
233	Women's and misses' outerwear -----	-	13	10	0.8	4.4	0.8	1.3	4.1	12.6	2.2	15.0	0.1	0.7	4.6
24	Lumber and wood products--	-	24	6	0.3	4.0	0.3	0.6	3.2	8.7	16.8	25.9	0.3	0.3	5.3
26	Paper and allied products ---	-	14	11	0.9	11.9	0.7	1.4	8.0	24.7	40.8	65.3	2.8	1.1	15.7
27	Printing and publishing -----	E1	87	12	1.6	21.4	0.9	1.5	11.4	41.3	15.8	57.0	1.0	1.6	24.8
2752	Commercial printing, lithographic -----	E1	20	5	0.4	4.8	0.3	0.5	3.1	8.4	4.3	12.7	0.3	0.4	6.1
28	Chemicals and allied products -----	-	52	35	11.5	227.4	7.8	15.3	133.4	610.3	865.0	1 475.1	99.7	10.8	381.7
281	Industrial inorganic chemicals -----	-	9	5	1.5	29.4	0.9	1.8	16.2	92.0	81.8	174.8	(D)	1.7	65.6
30	Rubber and miscellaneous plastics products -----	-	34	26	2.7	35.8	1.9	3.8	21.2	91.9	90.0	183.3	8.8	3.3	64.9
3079	Miscellaneous plastics products -----	-	29	22	2.3	30.2	1.6	3.2	18.4	82.3	82.1	163.0	(D)	2.1	43.7
32	Stone, clay, and glass products -----	-	32	12	1.7	22.2	1.4	2.5	17.3	48.5	50.1	98.7	2.6	2.3	40.8
33	Primary metal industries ----	-	10	7	2.4	34.8	1.7	3.0	22.9	45.5	78.5	123.9	(D)	2.6	38.5
34	Fabricated metal products ---	-	47	17	1.9	23.5	1.4	2.7	15.4	45.3	34.8	78.5	1.7	2.0	30.3
344	Fabricated structural metal products -----	-	26	12	1.1	15.0	0.8	1.6	9.4	28.3	25.1	52.4	1.0	0.9	15.6
349	Miscellaneous fabricated metal products -----	E1	11	3	0.3	4.2	0.2	0.5	2.9	9.8	5.4	14.8	0.5	0.3	6.3
35	Machinery, except electrical -	E1	47	9	1.1	18.3	0.7	1.3	9.0	24.1	13.0	37.3	(D)	1.0	15.1
36	Electric and electronic equipment -----	-	11	5	0.8	8.9	0.6	1.2	5.8	18.3	25.8	44.6	1.3	1.4	14.6

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (S) Withheld because estimate did not meet publication standards.
 (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Allegany County -----	-	80	27	8.4	131.8	5.8	11.8	86.6	261.8	286.8	552.6	15.8	10.5	183.0
20	Food and kindred products --	-	14	6	0.6	7.4	0.3	0.6	2.9	16.2	14.9	31.0	0.7	0.7	14.3
23	Apparel and other textile products -----	E2	7	7	0.6	3.5	0.5	0.8	3.0	8.5	4.5	12.9	(D)	0.5	4.6
32	Stone, clay, and glass products -----	-	11	4	0.6	9.8	0.5	0.9	6.7	15.9	15.9	31.3	(D)	1.5	35.7
	Anne Arundel County -----	-	219	52	15.3	261.2	7.5	13.9	91.4	409.3	293.2	689.3	18.3	14.3	285.8
27	Printing and publishing -----	-	42	8	1.0	15.1	0.9	1.5	11.6	28.1	14.9	43.0	2.5	0.6	13.1
28	Chemicals and allied products -----	-	10	6	1.0	12.3	0.6	1.3	6.9	53.1	64.1	101.4	2.0	(NA)	(NA)
35	Machinery, except electrical --	-	17	4	0.7	10.2	0.4	0.8	5.3	18.0	16.7	35.7	(D)	0.8	15.7
	Baltimore County -----	-	559	208	57.9	917.3	36.3	66.7	506.5	1 618.8	1 713.8	3 321.2	207.5	56.9	1 078.0
208	Beverages -----	-	12	7	0.9	14.5	0.6	1.4	8.9	60.3	51.8	112.2	1.6	1.9	86.9
209	Miscellaneous foods and kindred products -----	-	9	4	0.5	5.3	0.4	0.7	3.9	24.0	24.6	47.6	1.5	(NA)	(NA)
23	Apparel and other textile products -----	E1	25	9	1.6	14.0	1.2	2.1	9.0	26.2	42.6	65.1	0.7	1.5	29.5
24	Lumber and wood products --	-	26	9	0.8	7.9	0.7	1.3	6.2	13.2	22.3	35.3	0.7	1.3	22.5
26	Paper and allied products ---	-	11	8	4.0	43.1	2.2	3.6	14.3	136.4	114.1	248.6	(D)	3.2	53.0
27	Printing and publishing -----	-	97	21	2.4	26.8	1.6	2.8	17.9	46.5	40.3	86.6	2.9	1.9	25.5
2752	Commercial printing, lithographic -----	-	24	7	0.6	7.8	0.5	0.9	5.8	14.5	14.1	28.4	1.5	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	E1	17	12	1.4	13.8	1.1	2.0	9.2	26.7	25.0	51.4	1.5	0.8	12.8
34	Fabricated metal products ---	-	64	20	2.0	27.9	1.6	3.3	21.1	92.5	106.3	197.8	4.0	2.3	35.9
3411	Metal cans -----	-	4	3	0.6	10.7	0.5	1.2	9.1	40.7	47.8	88.7	(D)	(NA)	(NA)
344	Fabricated structural metal products -----	E1	30	7	0.6	6.8	0.4	0.8	4.1	15.9	19.6	35.4	0.4	1.1	18.2
349	Miscellaneous fabricated metal products -----	-	12	5	0.5	6.3	0.4	0.8	5.0	26.7	27.7	53.7	(D)	(NA)	(NA)
36	Electric and electronic equipment -----	-	30	15	7.2	121.3	2.9	5.2	33.0	198.5	117.0	312.6	6.0	6.2	112.9
38	Instruments and related products -----	E1	16	9	0.6	7.4	0.4	0.9	4.8	12.7	7.8	19.8	0.4	0.6	8.9
39	Miscellaneous manufacturing industries -----	-	19	3	0.6	5.6	0.5	0.9	4.1	14.4	7.5	21.5	0.7	(NA)	(NA)
--	Administrative and auxiliary --	-	26	18	4.3	80.0	--	--	--	--	--	--	--	(NA)	(NA)
	Caroline County -----	-	36	12	1.4	9.9	1.2	2.1	7.3	24.6	34.6	58.6	2.0	1.4	15.0
20	Food and kindred products --	-	10	5	0.6	3.4	0.5	0.7	2.3	8.4	17.9	26.2	(D)	0.5	5.1
	Carroll County -----	-	107	38	9.5	103.0	6.5	12.4	80.3	287.6	196.3	482.7	7.0	7.8	132.0
23	Apparel and other textile products -----	-	9	7	2.4	19.0	1.9	3.4	11.3	45.9	17.1	64.2	0.9	1.8	13.4
	Cecil County -----	-	52	25	2.6	29.0	1.9	3.7	17.0	64.0	97.1	161.8	(D)	3.7	51.6
	Charles County -----	-	34	7	0.5	7.0	0.3	0.6	3.2	15.1	29.3	44.3	0.3	0.4	8.1
	Dorchester County -----	-	86	37	4.9	42.7	4.1	7.6	31.2	106.5	179.1	285.1	6.7	4.1	57.9
20	Food and kindred products --	-	41	19	2.2	16.6	1.9	3.5	13.0	49.7	123.9	173.5	2.0	1.6	28.1
	Frederick County -----	-	90	39	6.5	73.1	5.0	9.2	48.4	166.8	202.7	366.2	15.1	5.9	104.0
23	Apparel and other textile products -----	E2	4	3	0.9	6.8	0.9	1.4	5.8	10.6	2.2	12.7	0.1	(NA)	(NA)
35	Machinery, except electrical --	-	11	5	0.8	8.8	0.5	0.9	4.0	12.1	24.5	39.1	0.8	(NA)	(NA)
	Garrett County -----	-	33	6	1.2	9.7	1.1	2.0	8.1	16.0	19.5	37.0	0.9	1.2	11.3
	Harford County -----	-	78	31	4.2	38.5	3.1	5.9	25.3	78.9	67.7	144.2	13.1	4.3	47.6
32	Stone, clay, and glass products -----	-	13	6	0.6	7.5	0.5	0.9	5.7	20.2	17.1	35.5	(D)	(NA)	(NA)
	Howard County -----	-	113	40	6.2	76.6	3.9	7.6	39.4	209.2	220.9	401.5	9.5	6.1	77.7
36	Electric and electronic equipment -----	-	14	9	2.0	27.9	1.5	2.9	16.8	113.7	121.6	213.3	4.0	(NA)	(NA)
--	Administrative and auxiliary --	-	9	5	0.6	10.2	--	--	--	--	--	--	--	(NA)	(NA)

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

For explanation of terms, see appendix B)															
SIC code	County and industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Kent County -----	-	28	10	1.1	10.3	0.9	1.7	7.1	22.3	53.7	75.9	1.9	0.8	8.7
205 2051	Montgomery County -----	-	492	116	14.3	226.0	6.7	12.8	75.9	298.4	202.7	503.2	(D)	12.4	199.9
	Bakery products -----	-	9	4	0.5	7.9	0.3	0.5	3.9	20.5	17.8	37.1	1.4	(NA)	(NA)
	Bread, cake, and related products -----	-	9	4	0.5	7.9	0.3	0.5	3.9	20.5	17.8	37.1	1.4	(NA)	(NA)
27 2752	Printing and publishing -----	-	164	27	3.0	46.0	2.0	3.9	26.7	76.8	47.3	129.4	4.4	3.5	67.2
	Commercial printing, lithographic -----	-	36	11	1.3	22.6	1.1	2.1	17.4	34.3	26.6	59.8	2.2	(NA)	(NA)
28	Chemicals and allied products -----	-	13	4	0.5	6.2	0.4	0.6	2.4	12.2	9.6	21.7	0.7	(NA)	(NA)
35	Machinery, except electrical --	E1	47	11	0.7	10.6	0.4	0.8	4.4	23.4	13.2	36.1	0.7	1.0	12.8
36	Electric and electronic equipment -----	E1	60	25	3.9	56.7	2.1	4.1	22.7	105.5	50.1	154.7	3.7	2.7	52.4
366	Communication equipment --	E1	30	17	3.4	50.6	1.7	3.3	19.4	93.1	41.8	134.1	2.8	2.2	43.1
38	Instruments and related products -----	-	41	8	1.0	15.0	0.5	1.0	5.4	20.9	12.6	33.1	0.6	0.6	8.3
-	Administrative and auxiliary --	-	26	15	3.1	64.7	-	-	-	-	-	-	-	(NA)	(NA)
	Prince Georges County -----	-	358	106	10.9	150.7	6.9	13.3	80.4	312.1	464.4	783.3	30.1	10.1	196.0
20	Food and kindred products --	-	26	13	1.4	23.2	0.9	2.0	14.9	74.3	247.2	322.2	5.6	1.6	43.0
27	Printing and publishing -----	E1	104	28	2.7	36.1	1.8	3.4	23.9	75.1	62.7	136.7	6.2	2.1	39.9
28	Chemicals and allied products -----	E1	16	6	0.6	7.7	0.4	0.8	3.4	23.0	21.4	42.8	(D)	0.7	15.8
32	Stone, clay, and glass products -----	-	29	13	1.3	15.1	1.1	2.1	11.2	36.7	40.7	77.3	(D)	1.2	19.6
327	Concrete, gypsum, and plaster products -----	-	22	10	1.1	13.4	0.9	1.9	10.2	33.0	38.8	71.7	(D)	0.9	15.6
34	Fabricated metal products ---	E1	38	13	0.9	12.5	0.6	1.1	6.5	20.0	19.4	39.5	1.1	1.1	17.8
344	Fabricated structural metal products -----	-	26	10	0.8	10.8	0.4	0.8	5.2	16.9	16.5	33.5	1.0	0.9	14.6
36	Electric and electronic equipment -----	E1	12	4	1.4	22.3	0.6	0.9	4.7	38.5	20.1	67.9	0.9	1.2	24.6
-	Administrative and auxiliary --	-	8	5	0.5	9.6	-	-	-	-	-	-	-	(NA)	(NA)
	Queen Annes County -----	-	25	7	0.6	4.7	0.5	0.9	3.5	8.8	15.7	24.0	0.5	0.7	6.2
	St. Marys County -----	-	31	5	0.5	4.1	0.3	0.6	2.1	4.0	7.8	11.8	0.2	0.2	2.8
	Somerset County -----	-	47	12	1.2	10.8	1.0	2.0	8.0	22.5	63.1	83.7	1.0	1.3	15.5
	Talbot County -----	-	70	19	1.9	18.7	1.6	2.8	12.9	45.3	87.0	133.5	4.0	1.7	22.0
20	Food and kindred products --	E1	22	9	0.8	5.8	0.6	1.1	3.9	12.4	64.7	77.5	2.4	0.8	6.2
	Washington County -----	-	121	59	12.0	164.9	9.1	17.9	117.1	345.1	333.1	662.4	11.7	12.5	243.2
25	Furniture and fixtures -----	-	7	5	0.8	6.8	0.7	1.2	5.1	13.2	10.6	22.5	0.2	0.6	8.1
27	Printing and publishing -----	-	12	5	0.8	9.1	0.5	0.9	5.0	22.4	20.8	42.7	1.5	0.7	16.2
34	Fabricated metal products ---	-	14	7	0.8	8.6	0.6	1.2	5.7	14.8	23.6	37.0	0.8	0.7	20.3
-	Administrative and auxiliary --	-	7	5	0.7	10.8	-	-	-	-	-	-	-	(NA)	(NA)
	Wicomico County -----	-	102	44	6.3	60.1	4.6	8.4	36.5	169.7	378.4	544.9	7.3	5.6	70.3
20	Food and kindred products --	-	16	12	2.4	22.8	1.7	3.3	14.1	88.3	286.7	373.8	3.8	2.3	37.1
23	Apparel and other textile products -----	E1	15	10	1.4	8.4	1.3	2.2	7.0	17.6	7.6	24.9	0.2	1.4	10.7
232	Men's and boys' furnishings -----	-	8	7	0.8	4.3	0.8	1.2	3.7	11.3	5.1	16.0	(D)	0.8	4.8
233	Women's and misses' outerwear -----	E2	3	3	0.6	4.0	0.5	1.0	3.3	6.3	2.5	8.7	(D)	(NA)	(NA)
	Worcester County -----	-	50	18	2.6	22.8	2.2	3.8	16.0	60.1	144.1	205.3	3.6	3.0	32.1
20	Food and kindred products --	-	20	8	1.9	16.4	1.7	2.8	11.5	34.5	125.4	160.9	1.2	2.1	16.2
2016	Poultry dressing plants --	-	4	4	1.4	11.8	1.2	2.0	7.8	19.9	80.0	101.8	(D)	(NA)	(NA)
	Baltimore (Independent city) (See table 8.)														

Note: "County" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
20	Annapolis -----	-	63	8	1.4	23.6	0.6	1.1	5.8	42.2	19.9	82.4	1.2	1.9	40.3
	Baltimore -----	-	1 099	429	72.9	1 044.9	52.2	103.6	690.4	2 565.7	3 812.7	8 349.1	140.2	(NA)	(NA)
	Food and kindred products --	-	121	62	11.3	142.6	6.9	13.3	77.6	528.8	760.2	1 291.7	19.0	(NA)	(NA)
	Meat products -----	-	21	12	1.8	22.4	1.3	2.6	14.6	42.9	112.7	154.3	1.9	(NA)	(NA)
	Dairy products -----	E1	12	8	1.5	18.4	0.6	1.2	6.1	69.7	112.2	181.4	(D)	(NA)	(NA)
	Fluid milk -----	E1	7	5	1.2	15.0	0.4	0.8	4.3	38.2	93.8	131.6	(D)	(NA)	(NA)
	Bakery products -----	-	20	10	1.9	21.6	1.2	2.1	12.1	51.0	33.4	84.3	(D)	(NA)	(NA)
	Bread, cake, and related products -----	-	20	10	1.9	21.6	1.2	2.1	12.1	51.0	33.4	84.3	(D)	(NA)	(NA)
	Beverages -----	-	21	11	3.1	41.1	1.9	3.7	24.0	234.2	208.5	442.2	7.9	(NA)	(NA)
	Miscellaneous foods and kindred products -----	-	28	9	1.4	15.8	0.9	1.7	6.7	50.5	94.4	151.9	(D)	(NA)	(NA)
23	Apparel and other textile products -----	-	114	54	5.7	50.0	4.7	8.1	33.8	91.7	141.6	232.7	1.1	(NA)	(NA)
2311	Men's and boys' suits and coats -----	-	23	15	2.4	23.7	1.9	3.5	16.5	39.0	84.7	123.3	0.8	(NA)	(NA)
232	Men's and boys' furnishings -----	-	18	11	0.9	8.6	0.7	1.1	3.8	21.7	38.1	59.7	(D)	(NA)	(NA)
239	Miscellaneous fabricated textile products -----	-	36	9	0.6	5.4	0.5	0.9	3.6	10.7	8.8	19.4	(Z)	(NA)	(NA)
25	Furniture and fixtures -----	E2	30	9	0.7	5.9	0.5	1.0	4.1	12.0	11.9	23.8	(D)	(NA)	(NA)
26	Paper and allied products ---	-	43	26	2.7	32.4	2.1	4.2	22.6	62.5	83.2	142.9	4.1	(NA)	(NA)
264	Miscellaneous converted paper products -----	-	14	7	0.6	5.8	0.5	0.8	3.4	11.4	13.2	24.5	(D)	(NA)	(NA)
2651	Folding paperboard boxes -----	-	5	4	0.8	10.3	0.6	1.2	8.0	20.2	25.0	43.7	(D)	(NA)	(NA)
27	Printing and publishing -----	-	231	54	7.2	95.4	4.3	8.0	49.6	166.0	80.0	245.8	6.3	(NA)	(NA)
28	Chemicals and allied products -----	-	71	37	6.6	105.6	4.2	8.9	60.5	381.5	498.5	872.0	43.0	(NA)	(NA)
281	Industrial inorganic chemicals -----	-	12	8	2.0	32.2	1.3	3.0	20.6	97.2	106.5	202.8	5.8	(NA)	(NA)
2851	Paints and allied products -----	-	13	11	1.2	15.5	0.7	1.3	5.4	42.7	69.8	111.9	1.8	(NA)	(NA)
289	Miscellaneous chemical products -----	-	13	3	0.5	7.1	0.3	0.5	3.1	12.5	25.4	38.2	0.8	(NA)	(NA)
29	Petroleum and coal products -	-	12	6	0.5	6.2	0.3	0.7	4.6	23.8	95.4	118.9	1.2	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	-	33	12	1.5	16.5	1.2	2.5	11.7	33.6	36.1	69.3	3.0	(NA)	(NA)
3079	Miscellaneous plastics products -----	-	28	9	1.1	12.4	0.9	1.8	8.6	23.9	27.6	51.1	2.7	(NA)	(NA)
31	Leather and leather products -----	E4	7	5	0.6	4.0	0.5	0.9	2.8	7.3	8.1	15.0	0.1	(NA)	(NA)
32	Stone, clay, and glass products -----	-	28	16	3.7	52.0	3.1	6.1	40.7	103.2	103.1	206.0	(D)	(NA)	(NA)
327	Concrete, gypsum, and plaster products -----	-	16	9	0.6	8.8	0.4	0.9	5.6	22.9	39.4	62.3	(D)	(NA)	(NA)
34	Fabricated metal products ---	-	116	45	5.1	73.8	4.0	8.2	56.2	152.8	230.2	378.3	7.8	(NA)	(NA)
341	Metal cans and shipping containers -----	-	6	6	1.9	36.1	1.6	3.2	29.9	68.2	131.7	198.2	(D)	(NA)	(NA)
344	Fabricated structural metal products -----	E1	55	22	1.5	18.3	1.1	2.2	12.4	43.2	48.4	91.4	1.6	(NA)	(NA)
3444	Sheet metal work -----	E2	16	6	0.5	6.5	0.4	0.9	5.2	16.9	12.9	29.3	(D)	(NA)	(NA)
35	Machinery, except electrical --	-	96	27	4.2	61.1	3.1	6.5	42.4	138.5	97.3	230.5	3.7	(NA)	(NA)
39	Miscellaneous manufacturing industries -----	-	48	18	1.5	14.8	1.1	2.2	8.4	33.7	29.9	64.0	0.9	(NA)	(NA)
--	Administrative and auxiliary --	-	28	12	2.2	35.6	-	-	-	-	-	-	-	(NA)	(NA)
	Bel Air -----	-	18	5	0.5	4.3	0.4	0.7	3.1	9.3	3.4	12.7	0.3	0.5	3.8
	Bethesda (U) -----	-	62	14	1.6	34.2	0.4	0.7	4.0	19.2	16.6	35.8	(D)	1.9	12.2
	Cambridge -----	-	40	15	1.7	16.0	1.3	2.5	10.7	40.7	51.3	91.8	2.2	2.9	45.9
20	Food and kindred products --	-	13	6	0.5	4.5	0.4	0.9	3.4	15.4	28.6	44.0	0.3	0.9	21.1
	College Park -----	-	14	4	1.5	22.6	0.6	1.1	6.0	39.6	20.9	69.9	0.9	1.3	30.2
	Dundalk (U) -----	-	46	17	3.4	53.1	2.5	4.9	37.9	147.4	175.4	319.8	5.3	2.9	65.7
33	Primary metal industries -----	-	6	4	1.5	29.5	1.1	2.2	21.3	61.5	100.0	158.6	(D)	(NA)	(NA)
	Easton -----	-	31	11	1.2	13.2	0.9	1.7	8.9	34.0	51.0	87.0	1.4	1.0	15.4
	Elkton -----	-	31	14	1.5	14.6	1.2	2.2	9.7	31.0	42.6	73.7	(D)	1.9	22.4
	Frederick -----	-	48	23	3.4	43.6	2.4	4.7	26.7	102.9	150.7	252.7	12.3	2.8	48.7
	Gaithersburg -----	-	50	17	2.4	33.7	0.9	1.8	9.9	30.4	21.8	59.2	1.7	1.8	31.4
36	Electric and electronic equipment -----	-	10	5	0.8	11.3	0.5	1.0	5.4	22.9	11.6	35.0	1.3	(NA)	(NA)

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

Explanation of terms, see appendix B)

SIC code	City and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
27	Glen Burnie (U) -----	-	30	10	1.4	21.9	0.9	1.8	11.7	37.9	26.1	63.3	2.7	0.5	14.6
	Hagerstown -----	-	88	41	5.0	53.8	3.4	6.4	31.7	105.7	83.0	183.9	5.2	6.3	106.8
	Havre de Grace -----	-	13	9	0.8	9.7	0.5	1.1	5.4	16.7	15.2	34.8	9.1	0.6	11.3
	Laurel -----	-	26	8	1.0	12.0	0.9	1.9	9.3	33.6	84.7	118.6	1.8	0.7	13.9
	Pikesville (U) -----	-	29	3	0.6	7.0	0.4	0.6	4.3	12.6	15.6	27.8	0.4	(NA)	(NA)
	Rockville -----	-	104	26	3.2	53.7	1.6	3.1	20.2	58.1	41.7	97.6	2.5	2.3	31.2
275	Printing and publishing -----	-	28	4	0.8	15.3	0.6	1.4	12.3	23.5	17.1	39.6	0.7	0.8	11.5
	Commercial printing -----	-	19	3	0.7	13.6	0.6	1.2	11.1	21.1	16.5	36.6	0.5	(NA)	(NA)
36	Electric and electronic equipment -----	-	12	6	0.5	6.7	0.4	0.8	3.0	13.8	5.7	18.6	0.9	(NA)	(NA)
20	Salisbury -----	-	65	27	4.3	40.8	3.3	6.0	26.7	109.2	223.5	331.3	3.9	4.2	51.3
	Food and kindred products --	-	10	7	1.7	15.7	1.3	2.4	10.6	53.6	169.1	222.5	(D)	1.8	26.8
	Silver Spring (U) -----	-	81	17	1.8	28.4	1.0	1.9	12.7	50.6	41.1	90.1	3.4	1.7	34.4
20	Food and kindred products --	-	5	4	0.6	8.9	0.3	0.6	4.1	22.3	24.4	45.5	(D)	0.6	14.2
27	Printing and publishing -----	-	33	8	0.6	9.1	0.5	0.8	6.0	14.7	8.5	23.2	1.4	0.6	12.4
--	Towson (U) -----	-	56	23	3.9	59.2	1.4	2.5	13.6	75.2	62.4	131.8	22.0	2.3	16.6
	Administrative and auxiliary --	-	7	4	1.1	22.5	-	-	-	-	-	-	-	(NA)	(NA)
	Westminster -----	-	30	7	1.9	19.1	0.9	1.7	7.6	35.4	25.2	55.4	1.6	2.3	21.7
	Woodlawn-Woodmoor (U) ---	-	22	11	0.6	7.6	0.4	0.7	3.9	15.7	15.7	31.5	0.4	0.8	13.6

Note: "City" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
MARYLAND	3937	451	1	26	249	294	108	85	773	177	37	108	18	204	62	310	348	179	117	107	154	129
1 TO 4 EMPLOYEES	1492	134	1	9	67	151	38	16	383	48	9	35	3	65	17	88	162	56	61	53	74	22
5 TO 9 EMPLOYEES	542	66	-	3	26	32	23	9	103	20	9	13	-	22	10	50	51	23	15	10	22	16
10 TO 19 EMPLOYEES	552	50	-	4	37	31	17	11	120	29	8	15	2	34	5	61	36	20	12	18	24	17
20 TO 49 EMPLOYEES	575	73	-	4	45	40	13	16	76	32	4	13	2	45	9	55	55	25	11	13	19	25
50 TO 99 EMPLOYEES	308	54	-	1	27	13	9	8	44	19	4	12	3	20	5	25	17	13	7	5	6	16
100 TO 249 EMPLOYEES	293	46	-	4	28	7	6	21	33	15	3	15	6	9	9	25	13	21	5	4	7	16
250 TO 499 EMPLOYEES	99	17	-	1	17	-	1	2	11	6	-	2	1	6	1	3	7	9	1	4	2	8
500 TO 999 EMPLOYEES	49	10	-	1	1	-	1	-	1	8	-	1	1	2	2	3	4	7	2	2	7	2
1000 TO 2499 EMPLOYEES	19	1	-	-	-	-	-	-	2	-	-	2	-	1	1	-	2	2	2	-	-	-
2500 EMPLOYEES AND OVER	8	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	3	-	-	-	-
ALLEGANY COUNTY	80	14	-	-	7	13	1	1	8	2	2	2	-	11	2	4	3	-	-	2	4	4
1 TO 19 EMPLOYEES	53	8	-	-	-	11	1	-	7	1	2	1	-	7	1	4	2	-	-	2	4	2
20 TO 99 EMPLOYEES	15	4	-	-	-	2	-	-	-	-	-	-	-	2	1	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES	7	2	-	-	3	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	1
250 EMPLOYEES AND OVER	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANNE ARUNDEL COUNTY	219	9	-	-	17	20	5	9	42	10	3	5	-	15	3	9	17	13	20	5	12	5
1 TO 19 EMPLOYEES	167	3	-	-	16	18	5	3	34	4	3	4	-	10	2	8	13	7	19	5	11	2
20 TO 99 EMPLOYEES	30	5	-	-	1	1	-	1	5	4	-	-	-	5	-	-	2	2	1	-	1	2
100 TO 249 EMPLOYEES	12	1	-	-	-	-	-	-	1	1	-	-	-	-	-	1	1	1	-	-	-	-
250 EMPLOYEES AND OVER	10	-	-	-	-	-	-	-	2	1	-	1	-	-	-	-	1	1	-	-	-	1
BALTIMORE COUNTY	559	43	1	4	25	26	16	11	97	24	5	17	2	26	16	64	77	30	14	16	19	26
1 TO 19 EMPLOYEES	351	25	1	2	16	17	11	3	76	16	4	15	2	16	7	44	51	15	9	7	16	8
20 TO 99 EMPLOYEES	124	13	-	1	4	7	4	3	15	4	-	5	-	9	3	15	17	4	1	8	1	10
100 TO 249 EMPLOYEES	50	4	-	-	3	2	-	3	4	2	1	7	-	1	4	4	4	7	1	1	1	3
250 EMPLOYEES AND OVER	34	2	-	1	2	-	1	2	2	2	-	-	-	1	2	1	5	4	3	1	1	5
CALVERT COUNTY	25	3	-	-	-	10	1	-	3	-	-	1	-	1	-	1	-	-	4	-	1	-
1 TO 19 EMPLOYEES	21	2	-	-	-	9	-	-	3	-	-	1	-	1	-	-	-	-	3	-	1	-
20 TO 99 EMPLOYEES	4	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CAROLINE COUNTY	36	10	-	1	3	3	-	2	4	-	-	1	-	4	-	-	2	1	-	-	4	1
1 TO 19 EMPLOYEES	24	5	-	1	1	3	-	1	4	-	-	-	-	3	-	-	2	-	-	-	3	1
20 TO 99 EMPLOYEES	7	3	-	-	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-
100 TO 249 EMPLOYEES	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CARROLL COUNTY	107	9	-	-	9	26	2	-	10	1	3	3	1	6	2	3	15	5	2	2	3	5
1 TO 19 EMPLOYEES	69	6	-	-	2	20	1	-	9	1	3	2	-	3	2	2	9	3	1	2	3	3
20 TO 99 EMPLOYEES	21	3	-	-	2	6	1	-	1	-	-	-	-	1	-	1	4	-	1	-	-	-
100 TO 249 EMPLOYEES	8	-	-	-	4	-	-	-	1	-	-	-	-	1	-	-	1	-	-	-	-	-
250 EMPLOYEES AND OVER	9	-	-	-	2	-	-	-	-	-	-	1	-	1	-	-	1	2	-	-	-	2
CECIL COUNTY	52	5	-	-	4	8	1	1	5	11	-	2	-	4	1	2	1	1	5	-	1	-
1 TO 19 EMPLOYEES	27	4	-	-	1	6	1	1	4	5	-	-	-	2	-	1	1	1	1	-	1	-
20 TO 99 EMPLOYEES	16	1	-	-	3	1	-	1	1	1	-	-	-	1	-	1	-	-	3	-	-	-
100 TO 249 EMPLOYEES	8	-	-	-	-	1	-	-	-	1	-	-	-	1	-	1	-	-	1	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
CHARLES COUNTY	34	1	-	-	-	12	-	-	10	-	-	-	-	5	-	1	-	-	-	-	4	1
1 TO 19 EMPLOYEES	27	6	-	-	-	10	-	-	9	-	-	-	-	2	-	-	-	-	-	-	4	1
20 TO 99 EMPLOYEES	6	1	-	-	-	2	-	-	1	-	-	-	-	3	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DORCHESTER COUNTY	86	41	-	-	6	6	-	2	4	1	1	-	-	2	1	5	5	1	9	-	1	1
1 TO 19 EMPLOYEES	49	22	-	-	2	4	-	1	2	1	1	-	-	2	1	1	3	1	9	-	1	1
20 TO 99 EMPLOYEES	24	13	-	-	3	2	-	-	1	1	-	-	-	1	-	2	1	-	-	-	-	-
100 TO 249 EMPLOYEES	7	4	-	-	1	-	-	1	1	-	-	-	-	-	-	1	1	-	-	-	-	-
250 EMPLOYEES AND OVER	6	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FREDERICK COUNTY	90	15	-	-	4	7	2	-	14	2	1	4	5	9	4	4	11	5	1	1	-	1
1 TO 19 EMPLOYEES	51	8	-	-	1	6	1	-	11	1	1	3	1	6	1	3	6	3	1	-	-	-
20 TO 99 EMPLOYEES	18	6	-	-	1	1	-	-	1	1	-	-	1	2	1	1	3	1	1	-	-	-
100 TO 249 EMPLOYEES	12	1	-	-	1	1	-	-	1	1	-	-	3	1	-	-	1	-	-	-	-	-
250 EMPLOYEES AND OVER	9	-	-	-	2	-	-	-	1	-	-	-	1	1	-	-	1	2	-	1	-	-
GARRETT COUNTY	33	1	-	-	2	20	-	-	1	-	1	-	-	3	-	-	2	-	1	2	-	-
1 TO 19 EMPLOYEES	27	2	-	-	1	-	-	-	1	-	-	-	-	2	-	-	2	-	1	1	-	-
20 TO 99 EMPLOYEES	2	1	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40's
HARFORD COUNTY	78				2	10	2	1	10	8	1	6		13		7	6	4		1		1
1 TO 19 EMPLOYEES	47	6			1	9	2	1	8	5	1	2		7		2	4	4				
20 TO 99 EMPLOYEES	23	4			1	1	1	2	2	1	3	3		5		3	2	2		1		1
100 TO 249 EMPLOYEES	6									2												
250 EMPLOYEES AND OVER	2													1								
HOWARD COUNTY	113	4			4	6	3	2	17	3	2	6		5	1	12	12	14	5	3	3	9
1 TO 19 EMPLOYEES	73	3			2	3	2	1	14	2	1	4		3	1	9	10	5	3	2	3	4
20 TO 99 EMPLOYEES	26				2		1		2	1	1	1		3	1	1	1	6	2		4	
100 TO 249 EMPLOYEES	10	1							1		1				2	2	2	2			1	
250 EMPLOYEES AND OVER	4																1	1	1		1	
KENT COUNTY	28	3			1	3			2	5		1		2		5	3	1	2			
1 TO 19 EMPLOYEES	18	1			1	3			1	3		1		2		4	2	1	2			
20 TO 99 EMPLOYEES	8	1			1				1	2				2		1	1	1				
100 TO 249 EMPLOYEES	1																					
250 EMPLOYEES AND OVER	1	1																				
MONTGOMERY COUNTY	492	19			10	24	17	2	164	13	2	11		15	2	12	47	60	3	41	23	26
1 TO 19 EMPLOYEES	376	12			10	23	14	1	137	9	2	10		9	2	9	36	35	3	33	19	11
20 TO 99 EMPLOYEES	80	3				3	3	1	21	2	1			6		3	10	14	4	4	5	3
100 TO 249 EMPLOYEES	24	3							4	1						1	6					5
250 EMPLOYEES AND OVER	12	1							2	1						5						8
PRINCE GEORGE'S COUNTY	358	26			9	14	17	5	104	16	2	8		29	5	38	32	12	3	14	14	14
1 TO 19 EMPLOYEES	252	13			8	11	13	3	76	10	1	7		16	3	25	26	8	3	11	14	3
20 TO 99 EMPLOYEES	80	7			1	3	4	1	22	4	1	1		12	1	11	6	1	3			2
100 TO 249 EMPLOYEES	21	6							1	1				1	2	2		2				3
250 EMPLOYEES AND OVER	5								2	1								1				
QUEEN ANNE'S COUNTY	25	10			1	4			3					3			1		1			
1 TO 19 EMPLOYEES	18	8			1	2			2					3			1					
20 TO 99 EMPLOYEES	6	2							1										1			
100 TO 249 EMPLOYEES	1																					
ST. MARY'S COUNTY	31	7			1	8			4	1	1			2			1	1				1
1 TO 19 EMPLOYEES	26	6			1				3	1				2			1	1				2
20 TO 99 EMPLOYEES	4								1													1
100 TO 249 EMPLOYEES	1	1																				1
250 EMPLOYEES AND OVER	1																					
SOMERSET COUNTY	47	35			1	1			2					1		3			2			1
1 TO 19 EMPLOYEES	35	26							2					1		2						
20 TO 99 EMPLOYEES	8	7														1						
100 TO 249 EMPLOYEES	3	2																				
250 EMPLOYEES AND OVER	1																					
TALBOT COUNTY	70	22			4	4			8	1				2	1	3	5	2	12	2		1
1 TO 19 EMPLOYEES	51	13			3	3			6	1				2	1	3	3	3	11	2		1
20 TO 99 EMPLOYEES	13	6			1				1	1							1		1			1
100 TO 249 EMPLOYEES	5	3																				
250 EMPLOYEES AND OVER	1								1													
WASHINGTON COUNTY	121	11			7	7	2	1	12	2	1	6		14	1	14	6	2	8	3		7
1 TO 19 EMPLOYEES	62	8			3	4	2	1	7	2	1	4		10	1	4	3	1	3	3		4
20 TO 99 EMPLOYEES	32	2			1	1			1	1	1	1		4		3	1	1	2		1	
100 TO 249 EMPLOYEES	20																					1
250 EMPLOYEES AND OVER	7				3												2					1
WICOMICO COUNTY	102	16			15	21	1	2	14	3		1		4		6	5	1	3	1		4
1 TO 19 EMPLOYEES	58	4			6	1	1	1	11	2		1		3		2	4	4	3	1		3
20 TO 99 EMPLOYEES	26	6							1	1		1		1		2	2	1	3			2
100 TO 249 EMPLOYEES	11	3							2													1
250 EMPLOYEES AND OVER	7																1					
WORCESTER COUNTY	50	20			12	2	2		4	3		1			1		1		1			2
1 TO 19 EMPLOYEES	32	12			8	2			3	2		1					1		1			1
20 TO 99 EMPLOYEES	12	4			3				3	1												1
100 TO 249 EMPLOYEES	3	1			1																	
250 EMPLOYEES AND OVER	3																					
BALTIMORE (INDEPENDENT CIT	1101	121			114	29	30	43	231	71	12	33		7	28	22	96	26	19	14	49	28
1 TO 19 EMPLOYEES	672	59			60	18	21	17	177	34	6	21		2	12	11	69	16	11	12	31	16
20 TO 99 EMPLOYEES	298	36			38	10	7	15	43	23	5	3		3	8	7	22	8	4	2	14	7
100 TO 249 EMPLOYEES	76	11			10	2	2	10	8	6	1	3		2	1	3	2	1	1			3
250 EMPLOYEES AND OVER	55	15			6			1	3	8					5	4	3	1	3			2

Note: Data on number of establishments by employment size class by 4-digit SIC industry for States, counties, and selected cities are presented in Location of Manufacturing Plants data series. This series is available only on computer tape (see Introduction).

- Represents zero.
- Only those counties and size classes that include data for manufacturing establishments are shown.

Massachusetts

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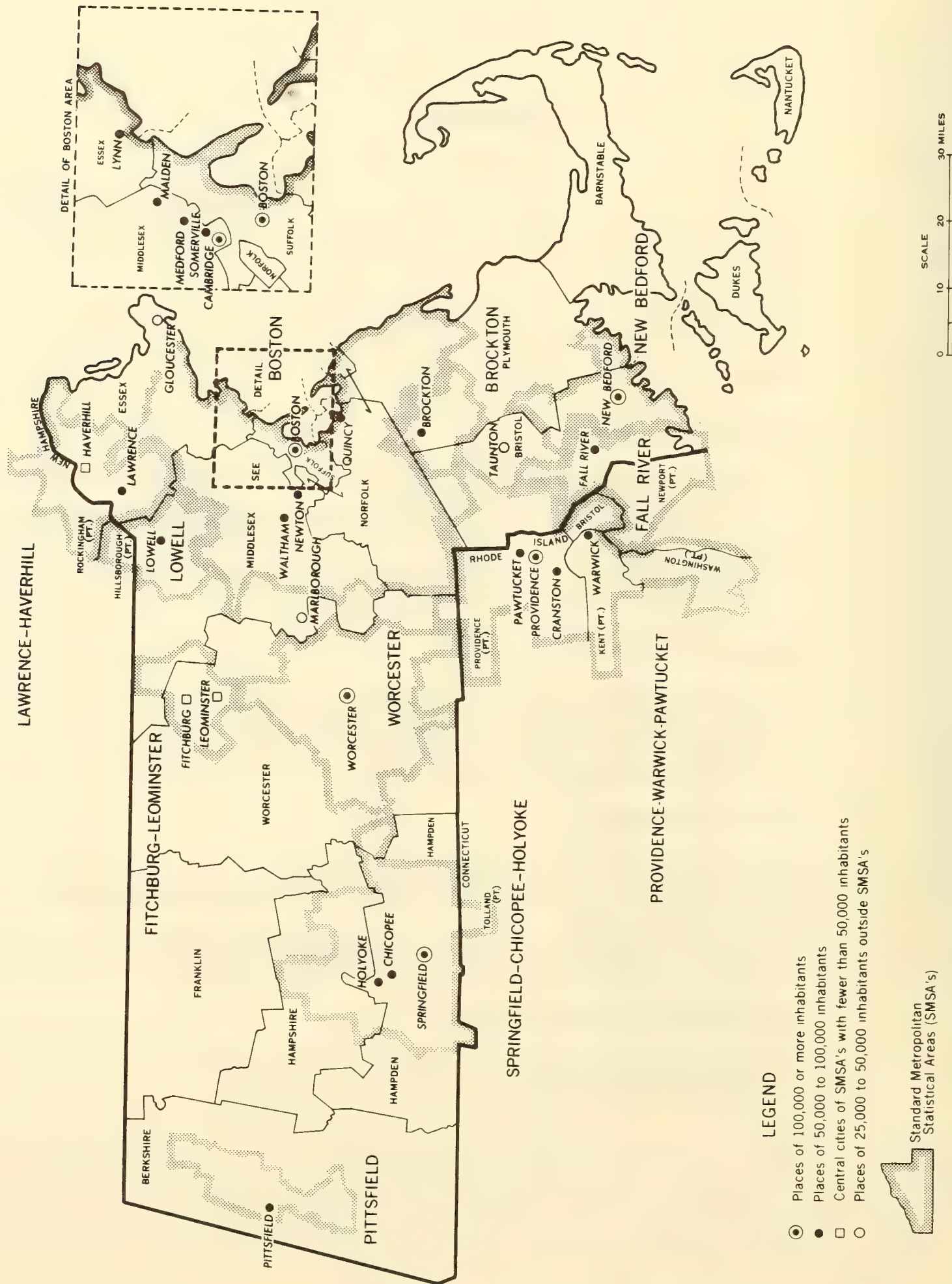
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MASSACHUSETTS



SUMMARY OF FINDINGS

In 1977, 613.4 thousand persons were employed in Massachusetts's manufacturing establishments. This figure represented a decrease of 1 percent from the 1972 figure of 618.9 thousand workers.

The total value added by manufacture for the State amounted to \$16,349 million in 1977, an increase of approximately 53 percent from the 1972 figure of \$10,678 million. All dollar figures in this report are in current dollars and are, therefore, not adjusted for changes in price levels.

In the State, the most important industry groups ranked by employment were machinery, except electrical; electric and electronic equipment; fabricated metal products; and instruments and related products. They accounted for approximately 41 percent of the State's 1977 employment. The order has shifted from 1972 when industry groups electric and electronic equipment; machinery, except electrical; apparel and other textile products; and fabricated metal products accounted for

approximately 40 percent of the State's employment.

The most important counties in the State ranked by employment were Middlesex, Worcester, Essex, and Bristol. They accounted for approximately 64 percent of the State's 1977 manufacturing employment. In 1972, these same counties accounted for approximately 65 percent of the State's employment.

The methods of data collection and use of administrative records data are discussed in detail in the Introduction. Small single-unit companies with up to 20 employees (the cutoff varied by industry) were excluded from the mail portion of the census. For these establishments (and a small number of larger establishments whose reports were not received in time to be tabulated), statistics on payrolls and receipts were obtained from administrative records of other government agencies. Other statistics were developed from industry averages. For this State, these establishments accounted for 1 percent of the total value of shipments.

Table 1. Historical Employment Statistics for Operating Manufacturing Establishments and Central Administrative Offices: 1977 and Earlier Years

(For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

State, standard metropolitan statistical area, and year	All establishments		Operating manufacturing establishments		Central administrative offices and auxiliaries ¹	
	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)
Massachusetts:						
1977.....	613.4	7,818.8	579.7	7,168.5	33.7	650.3
1972.....	618.9	5,486.0	585.4	5,031.3	33.5	454.7
1967.....	713.6	4,646.3	685.4	4,372.8	28.2	273.5
1963.....	674.0	3,712.4	646.9	3,476.5	27.2	235.9
STANDARD CONSOLIDATED STATISTICAL AREA						
Boston-Lawrence-Lowell, Mass.-N.H.:						
1977.....	341.6	4,609.0	313.0	4,039.7	28.6	569.3
1972.....	347.2	3,124.1	299.7	2,724.3	28.5	399.8
STANDARD METROPOLITAN STATISTICAL AREAS						
Boston:						
1977.....	267.7	3,739.4	242.0	3,228.1	25.7	511.3
1972.....	266.5	2,600.0	240.8	2,239.3	25.7	360.7
1967.....	316.2	2,222.3	295.4	2,011.7	20.8	210.6
1963.....	293.2	1,768.8	271.8	1,578.8	21.5	190.1
Brockton:						
1977.....	12.6	125.4	12.1	120.0	.5	5.4
1972.....	12.4	88.7	11.8	83.5	.6	5.2
1967.....	16.5	89.9	16.0	87.1	.5	2.8
1963.....	15.9	72.3	(D)	(D)	(D)	(D)
Fall River, Mass.-R.I.:						
1977.....	22.3	205.4	(D)	(D)	(D)	(D)
1972.....	25.5	175.1	(D)	(D)	(D)	(D)
1967.....	21.3	93.3	(D)	(D)	(D)	(D)
1963.....	23.4	88.0	(D)	(D)	(D)	(D)
Fitchburg-Leominster:						
1977.....	18.4	232.7	17.8	222.6	.6	10.1
1972.....	16.1	136.6	(D)	(D)	(D)	(D)
1967.....	18.3	115.6	(D)	(D)	(D)	(D)
1963.....	17.5	92.1	(D)	(D)	(D)	(D)
Lawrence-Haverhill, Mass.-N.H.:						
1977.....	38.1	466.6	37.4	449.5	.7	17.1
1972.....	39.3	337.1	38.3	322.9	1.0	14.2
1967.....	39.9	245.3	39.5	240.1	.4	5.2
1963.....	42.0	214.3	(D)	(D)	(D)	(D)
Lowell, Mass.-N.H.:						
1977.....	23.1	277.5	21.4	241.1	1.7	36.4
1972.....	22.4	187.0	20.6	162.1	1.8	24.9
1967.....	22.6	134.8	20.8	116.3	1.8	18.5
1963.....	21.1	102.6	(D)	(D)	(D)	(D)
New Bedford:						
1977.....	24.3	242.5	23.9	237.0	.4	5.5
1972.....	24.1	168.7	23.8	165.7	.3	3.0
1967.....	25.1	126.4	24.7	124.3	.4	2.1
1963.....	25.4	105.2	(D)	(D)	(D)	(D)
Pittsfield:						
1977.....	15.3	232.2	14.3	214.6	1.0	17.6
1972.....	16.2	172.9	15.4	163.8	.8	9.1
1967.....	16.9	140.0	(D)	(D)	(D)	(D)
1963.....	16.1	113.6	(D)	(D)	(D)	(D)
Providence-Warwick-Pawtucket, R.I.-Mass.:						
1977.....	140.0	1,494.4	138.5	1,463.6	1.5	30.8
1972.....	131.9	994.4	130.3	972.1	1.6	22.3
1967.....	138.0	789.8	136.7	776.8	1.3	13.0
1963.....	125.9	596.4	124.6	586.2	1.3	10.1
Springfield-Chicopee-Holyoke, Mass.-Conn.:						
1977.....	63.2	779.5	62.4	764.9	.8	14.6
1972.....	62.1	526.4	61.3	516.9	.8	9.5
1967.....	73.3	463.8	72.3	454.1	1.0	9.7
1963.....	67.4	370.3	66.3	359.7	1.1	10.6
Worcester:						
1977.....	43.4	553.0	43.1	548.4	.3	4.6
1972.....	45.2	393.6	44.9	389.4	.3	4.2
1967.....	50.9	340.8	50.4	336.7	.5	4.1
1963.....	47.6	266.9	(D)	(D)	(D)	(D)

(D) Withheld to avoid disclosing operations of individual companies.

¹ Defined in appendix B. Data for these establishments are included at the total manufacturing level in each table in this report. Data for these establishments are shown separately in tables 5 and 9 and included in State, SMSA, county, or city totals in other tables.

Table 2a. Historical Statistics for the State and Selected Standard Metropolitan Statistical Areas:
1977 and Earlier Years

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Establishments ²		All employees ²		Production workers							Comparative indexes and U.S. employment			
	Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)	Value added by manu- facture (million dollars)	Cost of materials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)	Percent of U.S. manufac- turing employ- ment (per- cent)	Index of State em- ploy- ment change (1977= 100)	Index of manufac- turing employ- ment change (1977= 100)	U.S. manu- facturing employ- ment (1,000)
MASSACHUSETTS															
1977 CENSUS.	11 133	4 054	613.4	7 818.8	407.9	791.9	4 199.2	16 348.6	14 075.4	30 144.2	952.8	3.13	100	100	19 596.9
1976 ASM....	(NA)	(NA)	590.9	6 942.9	387.5	743.8	3 660.8	14 420.6	12 608.7	26 918.4	781.6	3.15	96	96	18 753.0
1975 ASM....	(NA)	(NA)	585.6	6 478.9	378.8	724.4	3 373.0	12 443.9	11 279.5	23 923.5	620.4	3.20	95	94	18 302.2
1974 ASM....	(NA)	(NA)	638.6	6 477.4	429.2	831.9	3 569.2	12 836.1	11 464.5	23 807.2	764.5	3.22	104	102	19 844.8
1973 ASM....	(NA)	(NA)	639.0	6 027.8	435.7	845.5	3 366.2	11 717.6	9 960.0	21 337.1	669.0	3.21	104	102	19 897.9
1972 CENSUS.	10 770	4 971	618.9	5 486.0	416.0	812.1	3 027.0	10 677.5	8 616.7	19 133.9	537.5	3.25	101	98	19 028.7
1971 ASM....	(NA)	(NA)	616.5	5 109.3	407.8	784.0	2 755.1	9 494.6	7 572.3	17 110.0	454.3	3.36	101	94	18 363.1
1970 ASM....	(NA)	(NA)	672.8	5 214.5	454.2	879.5	2 880.7	9 628.2	7 608.9	17 177.6	618.1	3.50	110	99	19 217.2
1969 ASM....	(NA)	(NA)	709.7	5 170.8	492.9	970.4	2 956.0	9 572.4	7 882.6	17 364.1	497.3	3.54	116	103	20 035.5
1968 ASM....	(NA)	(NA)	703.2	4 861.7	492.4	971.3	2 833.4	9 035.0	7 366.6	16 367.7	440.8	3.60	115	100	19 527.6
1967 CENSUS.	10 963	4 471	713.6	4 646.3	507.9	999.0	2 755.3	8 715.0	7 294.4	15 925.5	493.7	3.69	116	99	19 323.2
1966 ASM....	(NA)	(NA)	705.2	4 415.2	503.9	1 004.9	2 620.1	8 378.2	7 305.0	15 488.3	489.8	3.71	115	98	19 024.5
1965 ASM....	(NA)	(NA)	673.7	3 999.3	485.9	967.6	2 419.6	7 449.8	6 755.3	14 067.2	342.8	3.74	110	92	18 010.2
1964 ASM....	(NA)	(NA)	667.6	3 808.2	478.5	952.4	2 281.1	6 821.2	6 146.2	12 870.2	308.0	3.87	109	89	17 268.5
1963 CENSUS.	11 311	4 351	674.0	3 712.4	480.7	948.3	2 234.6	6 403.8	(NA)	(NA)	273.0	3.97	110	87	16 958.4
BOSTON-LAWRENCE-LOWELL, MASS.-N.H., SCSA															
1977 CENSUS.	6 478	2 254	341.6	4 609.0	211.7	410.7	2 252.0	9 387.0	8 028.7	17 260.2	522.0	1.74	100	100	19 596.9
1972 CENSUS.	6 102	2 236	347.2	3 124.1	206.5	397.5	1 566.4	6 161.5	4 873.3	10 891.2	289.6	1.72	96	98	19 028.7
BOSTON SMSA															
1977 CENSUS.	5 217	1 749	267.7	3 739.4	159.4	311.2	1 748.7	7 469.1	6 358.5	13 717.5	412.8	1.37	100	100	19 596.9
1976 ASM....	(NA)	(NA)	256.0	3 329.3	149.3	291.9	1 521.8	6 553.1	5 775.6	12 260.6	351.4	1.37	96	96	18 753.0
1975 ASM....	(NA)	(NA)	257.2	3 129.7	146.6	282.8	1 392.9	5 636.7	5 184.4	10 876.5	263.6	1.41	96	94	18 302.2
1974 ASM....	(NA)	(NA)	270.6	3 044.0	158.9	310.4	1 407.4	5 541.9	5 095.7	10 464.0	360.0	1.36	101	102	19 844.8
1973 ASM....	(NA)	(NA)	280.8	2 917.6	170.4	327.6	1 418.6	5 283.2	4 686.2	9 843.4	284.7	1.41	105	102	19 897.9
1972 CENSUS.	5 225	1 863	266.5	2 600.0	162.8	315.4	1 269.4	4 918.9	4 026.3	8 910.1	222.0	1.40	100	98	19 028.7
1971 ASM....	(NA)	(NA)	263.1	2 423.8	154.5	294.1	1 134.0	4 296.8	3 592.9	7 902.7	187.5	1.43	98	94	18 363.1
1970 ASM....	(NA)	(NA)	294.0	2 488.4	178.4	341.5	1 206.8	4 307.3	3 548.5	7 839.6	253.0	1.53	110	99	19 217.2
1969 ASM....	(NA)	(NA)	313.1	2 464.9	197.5	388.4	1 245.0	4 326.9	3 795.3	8 111.5	217.9	1.56	117	103	20 035.5
1968 ASM....	(NA)	(NA)	308.8	2 310.3	195.9	392.9	1 196.3	4 173.8	3 494.4	7 641.5	184.2	1.58	115	100	19 527.6
1967 CENSUS.	5 200	1 974	316.2	2 222.3	209.7	409.3	1 202.6	4 155.5	3 511.2	7 629.2	213.8	1.64	118	99	19 323.2
1966 ASM....	(NA)	(NA)	309.9	2 112.7	202.4	401.0	1 121.6	3 959.0	3 485.6	7 355.4	196.9	1.63	116	98	19 024.5
1965 ASM....	(NA)	(NA)	290.2	1 880.7	193.5	382.0	1 028.2	3 498.3	3 269.9	6 709.5	143.0	1.61	108	92	18 010.2
1964 ASM....	(NA)	(NA)	284.6	1 774.1	188.4	372.7	962.0	3 183.6	2 923.2	6 067.5	123.8	1.65	106	89	17 268.5
1963 CENSUS.	5 465	1 956	293.2	1 768.8	192.6	379.9	964.2	3 014.0	(NA)	(NA)	123.6	1.73	110	87	16 958.4
PROVIDENCE-WARWICK-PAWTUCKET, R.I.-MASS., SMSA															
1977 CENSUS.	3 320	1 026	140.0	1 494.4	107.3	202.2	947.1	3 040.4	3 161.2	6 158.6	173.3	.71	100	100	19 596.9
1976 ASM....	(NA)	(NA)	125.5	1 261.3	97.9	184.2	805.4	2 481.3	2 589.1	5 032.8	144.8	.67	90	96	18 753.0
1975 ASM....	(NA)	(NA)	117.1	1 095.8	89.8	168.3	682.8	2 168.6	2 188.6	4 415.3	122.2	.64	84	94	18 302.2
1974 ASM....	(NA)	(NA)	134.7	1 163.4	106.2	199.5	753.5	2 404.4	2 385.9	4 686.7	124.4	.68	96	102	19 844.8
1973 ASM....	(NA)	(NA)	138.2	1 097.1	107.5	205.8	697.4	2 204.6	2 044.9	4 221.9	98.9	.69	99	102	19 897.9
1972 CENSUS.	2 991	997	131.9	994.4	102.4	197.7	632.9	1 959.9	1 713.3	3 633.4	108.0	.69	94	98	19 028.7
1971 ASM....	(NA)	(NA)	126.3	867.1	96.3	185.4	550.9	1 672.5	1 432.0	3 093.5	86.7	.69	90	94	18 363.1
1970 ASM....	(NA)	(NA)	137.0	885.5	105.0	203.2	570.8	1 624.7	1 439.0	3 072.3	85.6	.71	98	99	19 217.2
1969 ASM....	(NA)	(NA)	141.0	861.2	112.9	218.4	574.4	1 681.6	1 461.4	3 138.3	91.6	.70	101	103	20 035.5
1968 ASM....	(NA)	(NA)	139.6	834.4	111.6	216.2	570.4	1 607.2	1 437.0	3 027.1	101.7	.71	100	100	19 527.6
1967 CENSUS.	2 925	1 024	138.0	789.9	108.8	212.7	526.8	1 533.9	1 377.4	2 885.0	89.2	.71	99	99	19 323.2
1966 ASM....	(NA)	(NA)	140.3	754.1	110.9	221.5	510.2	1 534.2	1 379.8	2 875.6	89.3	.74	100	98	19 024.5
1965 ASM....	(NA)	(NA)	133.9	676.3	105.6	210.9	458.3	1 356.9	1 207.6	2 522.5	61.5	.74	96	92	18 010.2
1964 ASM....	(NA)	(NA)	125.7	623.6	98.7	197.2	419.9	1 145.8	1 078.7	2 229.1	53.5	.73	90	89	17 268.5
1963 CENSUS.	2 918	951	125.9	596.4	99.2	197.2	406.7	1 075.2	(NA)	(NA)	47.8	.74	90	87	16 958.4
SPRINGFIELD-CHICOPEE-HOLYOKE, MASS.-CONN., SMSA															
1977 CENSUS.	1 034	400	63.2	779.5	45.5	88.6	480.5	1 735.5	1 572.5	3 290.8	109.1	.32	100	100	19 596.9
1976 ASM....	(NA)	(NA)	62.1	694.4	44.6	86.1	424.1	1 521.1	1 463.5	2 975.8	71.7	.33	98	96	18 753.0
1975 ASM....	(NA)	(NA)	60.2	647.7	42.3	82.1	381.9	1 341.0	1 258.9	2 621.6	74.1	.33	95	94	18 302.2
1974 ASM....	(NA)	(NA)	64.7	630.5	47.3	92.4	399.5	1 469.1	1 317.5	2 720.2	79.9	.33	102	102	19 844.8
1973 ASM....	(NA)	(NA)	63.2	571.7	46.6	95.5	372.8	1 248.5	1 057.8	2 290.5	68.8	.32	100	102	19 897.9
1972 CENSUS.	1 002	392	62.1	526.4	45.0	90.2	341.1	1 157.7	951.2	2 088.2	55.1	.33	98	98	19 028.7
1971 ASM....	(NA)	(NA)	60.4	480.5	43.7	84.5	304.2	1 000.9	839.6	1 855.5	48.1	.33	96	94	18 363.1
1970 ASM....	(NA)	(NA)	66.9	504.8	48.8	95.5	325.2	1 022.3	867.7	1 883.3	62.5	.35	106	99	19 217.2
1969 ASM....	(NA)	(NA)	73.1	520.0	54.1	105.7	339.5	1 079.8	862.6	1 923.6	54.6	.36	116	103	20 035.5
1968 ASM....	(NA)	(NA)	73.1	489.7	51.5	105.8	298.7	995.0	790.5	1 787.8	50.6	.37	116	100	19 527.6
1967 CENSUS.	1 003	426	73.3	463.8	54.5	107.9	304.1	947.7	760.7	1 701.0	62.9	.38	116	99	19 323.2
1966 ASM....	(NA)	(NA)	72.6	442.0	54.1	109.1	291.2	924.9	758.9	1 658.7	66.7	.38	115	98	19 024.5
1965 ASM....	(NA)	(NA)	70.0	410.2	51.9	104.5	267.7	816.0	694.4	1 490.9	41.5	.39	111	92	18 010.2
1964 ASM....	(NA)	(NA)	69.9	389.3	51.9	103.7	255.7	754.8	642.8	1 384.9	28.2	.40	111	89	17 268.5
1963 CENSUS.	979	397	67.4	370.3	49.7	98.9	240.9	690.6	(NA)	(NA)	27.9	.40	107	87	16 958.4

See footnotes at end of table.

Table 2a. Historical Statistics for the State and Selected Standard Metropolitan Statistical Areas: 1977 and Earlier Years—Con.

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Establishments ²		All employees ²		Production workers								Comparative indexes and U.S. employment			
													United States			
	Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)	Value added by manu- facture (million dollars)	Cost of materials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)	Percent of U.S. manufac- turing employ- ment (per- cent)	Index of State em- ploy- ment change (1977= 100)	Index of manufac- turing employ- ment change (1977= 100)	U.S. manu- facturing employ- ment (1,000)	
	WORCESTER SMSA															
1977 CENSUS.	830	314	43.4	553.0	30.2	58.2	319.7	1 101.8	928.9	2 010.7	77.2	.22	100	100	19 596.9	
1976 ASM....	(NA)	(NA)	39.0	460.9	26.8	51.9	267.0	951.5	762.5	1 732.7	55.0	.21	90	96	18 753.0	
1975 ASM....	(NA)	(NA)	39.6	441.0	26.6	50.8	251.0	846.5	725.6	1 591.3	53.0	.22	91	94	18 302.2	
1974 ASM....	(NA)	(NA)	45.4	466.5	32.2	62.0	278.7	919.5	714.6	1 607.0	50.9	.23	105	102	19 844.8	
1973 ASM....	(NA)	(NA)	47.4	447.1	33.7	66.9	270.4	865.0	655.5	1 848.1	38.5	.24	109	102	19 897.9	
1972 CENSUS.	1 815	318	45.2	393.6	31.8	62.0	232.8	729.6	535.9	1 257.0	39.3	.24	104	98	19 028.7	
1971 ASM....	(NA)	(NA)	39.2	318.5	27.3	52.2	185.7	570.0	453.6	1 042.4	20.0	.21	90	94	18 363.1	
1970 ASM....	(NA)	(NA)	44.3	349.3	31.8	61.5	212.4	620.3	482.5	1 090.9	49.2	.23	102	99	19 217.2	
1969 ASM....	(NA)	(NA)	49.1	376.2	34.7	69.4	230.1	677.6	497.3	1 161.8	36.7	.25	113	103	20 035.5	
1968 ASM....	(NA)	(NA)	50.1	353.8	36.0	69.9	222.4	636.9	477.6	1 111.9	40.8	.26	115	100	19 527.6	
1967 CENSUS.	781	324	50.9	340.8	36.2	72.3	212.6	602.9	470.6	1 064.3	37.3	.26	117	99	19 323.2	
1966 ASM....	(NA)	(NA)	50.0	333.7	36.5	74.7	212.2	599.7	475.4	1 057.3	43.8	.26	115	98	19 024.5	
1965 ASM....	(NA)	(NA)	48.7	303.9	35.1	71.6	192.5	536.6	422.0	949.0	27.2	.27	112	92	18 010.2	
1964 ASM....	(NA)	(NA)	46.9	281.1	33.9	68.4	175.1	486.4	393.7	861.9	19.2	.27	108	89	17 268.5	
1963 CENSUS.	783	302	47.6	266.9	34.2	67.2	166.8	430.2	(NA)	(NA)	17.0	.28	110	87	16 958.4	

(NA) Not available.

¹In annual survey of manufactures (ASM) years, data are estimates based on a representative sample of establishments canvassed annually and may differ from results of a complete canvass of all establishments. ASM publication shows percentage standard errors. Unless otherwise noted, for data prior to 1963, see 1963 Census of Manufactures, vol. III, table 1 of State chapter.

²Including central administrative offices and auxiliaries (for definition, see appendix B).

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 2b. Selected Operating Ratios for the State and Selected Standard Metropolitan Statistical Areas: 1977 and Earlier Years

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials as percent of value of shipments (percent)	Cost of materials and payroll as percent of value of shipments (percent)	Value added per employee (dollars)	Payroll as percent of value added (percent)	Value added per production worker hour (dollars)
MASSACHUSETTS									
1977 CENSUS.....	12 747	67	1 941	5.30	47	73	26 654	48	20.65
1976 ASM.....	11 750	66	1 919	4.92	47	73	24 404	48	19.39
1975 ASM.....	11 064	65	1 912	4.66	47	74	21 250	52	17.18
1974 ASM.....	10 143	67	1 938	4.29	48	75	20 100	50	15.43
1973 ASM.....	9 433	68	1 941	3.98	47	75	18 337	51	13.86
1972 CENSUS.....	8 864	67	1 952	3.73	45	74	17 252	51	13.15
1971 ASM.....	8 288	66	1 923	3.51	44	74	15 401	54	12.11
1970 ASM.....	7 750	68	1 936	3.28	44	75	14 311	54	10.95
1969 ASM.....	7 286	69	1 969	3.05	45	75	13 488	54	9.86
1968 ASM.....	6 914	70	1 973	2.92	45	75	12 848	54	9.30
1967 CENSUS.....	6 511	71	1 967	2.76	46	75	12 213	53	8.72
1966 ASM.....	6 261	71	1 994	2.61	47	76	11 881	53	8.34
1965 ASM.....	5 936	72	1 991	2.50	48	76	11 058	54	7.70
1964 ASM.....	5 704	72	1 990	2.40	48	77	10 217	56	7.16
1963 CENSUS.....	5 508	71	1 973	2.36	(NA)	(NA)	9 501	58	6.75
BOSTON-LAWRENCE-LOWELL, MASS.-N.H.; SCSA									
1977 CENSUS.....	13 494	62	1 940	5.48	47	73	27 483	49	22.86
1972 CENSUS.....	8 998	59	1 925	3.94	45	73	17 746	51	15.50
BOSTON SMSA									
1977 CENSUS.....	13 967	60	1 953	5.62	46	74	27 898	50	24.00
1976 ASM.....	13 005	58	1 955	5.21	47	74	25 598	51	22.45
1975 ASM.....	12 168	57	1 929	4.93	48	76	21 916	56	19.93
1974 ASM.....	11 249	59	1 953	4.53	49	78	20 480	55	17.85
1973 ASM.....	10 390	61	1 923	4.33	48	77	18 815	55	16.13
1972 CENSUS.....	9 756	61	1 937	4.02	45	74	18 457	53	15.60
1971 ASM.....	9 212	59	1 904	3.86	45	76	16 331	56	14.61
1970 ASM.....	8 464	61	1 914	3.53	45	77	14 651	58	12.61
1969 ASM.....	7 873	63	1 967	3.21	47	77	13 820	57	11.14
1968 ASM.....	7 482	63	2 006	3.04	46	76	13 516	55	10.62
1967 CENSUS.....	7 028	66	1 952	2.94	46	75	13 142	53	10.15
1966 ASM.....	6 817	65	1 981	2.80	47	76	12 775	53	9.87
1965 ASM.....	6 481	67	1 974	2.69	49	77	12 055	54	9.16
1964 ASM.....	6 234	66	1 978	2.58	48	77	11 186	56	8.54
1963 CENSUS.....	6 033	66	1 972	2.54	(NA)	(NA)	10 280	59	7.93

See footnotes at end of table.

Table 2b. Selected Operating Ratios for the State and Selected Standard Metropolitan Statistical Areas: 1977 and Earlier Years—Con.

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials as percent of value of shipments (percent)	Cost of materials and payroll as percent of value of shipments (percent)	Value added per employee (dollars)	Payroll as percent of value added (percent)	Value added per production worker hour (dollars)
PROVIDENCE-WARWICK-PAWTUCKET, R.I.—MASS., SMSA									
1977 CENSUS.....	10 675	77	1 884	4.68	51	76	21 718	49	15.04
1976 ASM.....	10 050	78	1 882	4.37	51	77	19 771	51	13.47
1975 ASM.....	9 358	77	1 874	4.06	50	74	18 519	51	12.89
1974 ASM.....	8 637	79	1 879	3.78	51	76	17 850	48	12.05
1973 ASM.....	7 938	78	1 914	3.39	48	74	15 952	50	10.71
1972 CENSUS.....	7 539	78	1 931	3.20	47	75	14 859	51	9.91
1971 ASM.....	6 865	76	1 925	2.97	46	74	13 242	52	9.02
1970 ASM.....	6 464	77	1 935	2.81	47	76	11 859	55	8.00
1969 ASM.....	6 108	80	1 934	2.63	47	74	11 926	51	7.70
1968 ASM.....	5 977	80	1 937	2.64	47	75	11 513	52	7.43
1967 CENSUS.....	5 724	79	1 955	2.48	48	75	11 115	51	7.21
1966 ASM.....	5 375	79	1 997	2.30	48	74	10 935	49	6.93
1965 ASM.....	5 051	79	1 997	2.17	48	75	10 134	50	6.43
1964 ASM.....	4 961	79	1 998	2.13	48	76	9 115	54	5.81
1963 CENSUS.....	4 737	79	1 988	2.06	(NA)	(NA)	8 540	55	5.45
SPRINGFIELD-CHICOPEE-HOLYOKE, MASS.—CONN., SMSA									
1977 CENSUS.....	12 344	72	1 945	5.42	48	71	27 483	45	19.59
1976 ASM.....	11 182	72	1 930	4.93	49	73	24 494	46	17.67
1975 ASM.....	10 759	70	1 941	4.65	48	73	22 276	48	16.33
1974 ASM.....	9 745	73	1 953	4.32	48	72	22 706	43	15.90
1973 ASM.....	9 046	74	2 049	3.90	46	71	19 755	46	13.07
1972 CENSUS.....	8 477	72	2 004	3.78	46	71	18 643	45	12.83
1971 ASM.....	7 955	72	1 934	3.60	45	71	16 571	48	11.84
1970 ASM.....	7 546	73	1 957	3.41	46	73	15 281	49	10.70
1969 ASM.....	7 114	74	1 954	3.21	45	72	14 772	48	10.22
1968 ASM.....	6 699	70	2 054	2.82	44	72	13 611	49	9.40
1967 CENSUS.....	6 327	74	1 980	2.82	45	72	12 929	49	8.78
1966 ASM.....	6 088	75	2 017	2.67	46	72	12 740	48	8.48
1965 ASM.....	5 860	74	2 013	2.56	47	74	11 657	50	7.81
1964 ASM.....	5 569	74	1 998	2.47	46	75	10 798	52	7.28
1963 CENSUS.....	5 494	74	1 990	2.44	(NA)	(NA)	10 246	54	6.98
WORCESTER SMSA									
1977 CENSUS.....	12 729	69	1 930	5.49	46	74	25 362	50	18.93
1976 ASM.....	11 818	69	1 937	5.14	44	71	24 397	48	18.33
1975 ASM.....	11 136	67	1 910	4.94	46	73	21 376	52	16.66
1974 ASM.....	10 275	71	1 925	4.50	44	73	20 253	51	14.83
1973 ASM.....	9 432	71	1 985	4.04	35	60	18 249	52	12.93
1972 CENSUS.....	8 708	70	1 950	3.75	43	74	16 142	54	11.77
1971 ASM.....	8 125	70	1 912	3.56	44	74	14 541	56	10.92
1970 ASM.....	7 885	72	1 934	3.45	44	76	14 002	56	10.09
1969 ASM.....	7 662	71	2 000	3.32	43	75	13 800	56	9.76
1968 ASM.....	7 062	72	1 942	3.18	43	75	12 713	56	9.11
1967 CENSUS.....	6 695	71	1 997	2.94	44	76	11 845	57	8.34
1966 ASM.....	6 674	73	2 047	2.84	45	77	11 994	56	8.03
1965 ASM.....	6 240	72	2 040	2.69	44	76	11 018	57	7.49
1964 ASM.....	5 994	72	2 018	2.56	46	78	10 371	58	7.11
1963 CENSUS.....	5 607	72	1 965	2.48	(NA)	(NA)	9 038	62	6.40

Note: For qualifications to data, see footnotes on table 2a.
(NA) Not available.

Table 3a. Summary Statistics for the State: 1977 and 1972

[For explanation of terms, see appendix B]

Item	Unit of measure	1977	1972
All establishments ¹ -----	number -----	11 133	10 770
With 1 to 19 employees -----	do -----	7 079	6 617
With 20 to 99 employees -----	do -----	2 848	2 922
With 100 employees or more -----	do -----	1 206	1 231
All employees, average for year ¹ -----	1,000 -----	613.4	618.9
Payroll for year, all employees ¹ -----	mil. dollars --	7 818.8	5 486.0
Production workers:			
Average for year -----	1,000 -----	407.9	416.0
March -----	do -----	399.7	408.6
May -----	do -----	407.9	411.8
August -----	do -----	406.5	418.4
November -----	do -----	416.5	425.3
Hours -----	millions -----	791.9	812.1
January to March -----	do -----	195.7	200.3
April to June -----	do -----	202.3	206.5
July to September -----	do -----	190.3	195.8
October to December -----	do -----	203.6	209.5
Wages-----	mil. dollars --	4 199.2	3 027.0
Cost of materials, etc. ² -----	do -----	14 075.4	8 616.7
Materials, parts, containers, etc., consumed -----	do -----	12 115.8	7 279.9
Resales-----	do -----	821.6	620.1
Fuels consumed -----	do -----	261.4	102.9
Purchased electric energy -----	do -----	291.8	130.5
Contract work -----	do -----	584.8	483.3
Value of shipments, including resales ² -----	do -----	30 144.2	19 133.9
Value of resales -----	do -----	1 098.7	835.0
Value added by manufacture -----	do -----	16 348.6	10 677.5
Manufacturers' inventories:			
Beginning of year -----	do -----	4 493.4	2 797.4
Finished products -----	do -----	1 462.8	969.2
Work in process -----	do -----	1 502.6	906.4
Materials, supplies, fuel, etc.-----	do -----	1 528.1	921.7
End of year -----	do -----	4 972.7	2 959.8
Finished products -----	do -----	1 565.5	971.2
Work in process -----	do -----	1 683.2	1 007.7
Materials, supplies, fuel, etc.-----	do -----	1 724.0	980.9
Capital expenditures for plant and equipment -----	do -----	1 024.5	575.3
New capital expenditures -----	do -----	952.8	537.5
New buildings and other structures-----	do -----	215.8	111.2
New machinery and equipment-----	do -----	737.0	426.3
Used capital expenditures -----	do -----	71.6	37.8

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies.

¹Including central administrative offices and auxiliaries (for definition, see appendix B).

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 3b. Supplemental State Statistics Based on Sample Estimates: 1977

(For explanation of terms, see appendix B. For description of annual survey of manufactures (ASM), see appendix F)

Item	Amount (million dollars)	Standard error of estimate (percent)	Item	Amount (million dollars)	Standard error of estimate (percent)
Gross value of depreciable assets:			Rental payments:		
Total:			Total.....	251.5	3
Beginning of year.....	7,740.2	1	Buildings and other structures.....	141.8	4
New capital expenditures.....	1,001.0	1	Machinery and equipment.....	109.7	3
Used capital expenditures.....	110.2	11			
Retirements.....	347.3	3	Depreciation charges during 1977:		
End of year.....	8,504.0	1	Total.....	594.4	2
Buildings and other structures:			Buildings and other structures.....	99.5	4
Beginning of year.....	2,118.0	1	Machinery and equipment.....	495.0	2
New capital expenditures.....	220.9	4			
Used capital expenditures.....	(50.3)	17	Supplemental labor costs:		
Retirements.....	55.8	13	Total.....	1,359.1	1
End of year.....	2,333.4	1	Legal costs.....	527.8	1
Machinery and equipment:			Voluntary costs.....	786.3	1
Beginning of year.....	5,622.4	1			
New capital expenditures.....	780.1	3	Purchased services:		
Automobiles, trucks, etc., for highway use...	23.4	(NA)	Cost of purchased services for the repair of--		
Computers and peripheral data processing equip.	25.4	(NA)	Buildings and other structures.....	(52.2)	54
All other.....	563.7	(NA)	Response coverage ratio (percent).....	60	(X)
New machinery and equipment, n.s.k.....	167.6	(NA)	Machinery.....	(145.0)	20
Used capital expenditures.....	59.9	12	Response coverage ratio (percent).....	61	(X)
Retirements.....	291.5	3	Cost of purchased communication services.....	(127.7)	27
End of year.....	6,170.9	1	Response coverage ratio (percent).....	64	(X)

Note: Expenditures data, shown in tables 2a, 3a, and 4-8, are census universe figures and may differ from ASM sample estimates shown in this table. Table 3b figures represent best estimate of year-to-year change as measured by continuing ASM sample, but are subject to sampling errors. Hence, as estimates of level, they are not as reliable as universe figures.

Figures in parentheses have standard errors of 15 percent or more. (NA) Not available. n.s.k. Not specified by kind.
(S) Withheld because estimate did not meet publication standards. (X) Not applicable.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities and Towns: 1977 and 1972

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area	E ¹	1977											1972	
		All establishments ²		All employees ²		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
		Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)						
Massachusetts	-	11 133	4 054	613.4	7 818.8	407.9	791.9	4 199.2	16 348.6	14 075.4	30 144.2	952.8	618.9	10 677.5
STANDARD CONSOLIDATED STATISTICAL AREAS														
Boston-Lawrence-Lowell, Mass.-N.H.	-	6 478	2 254	341.6	4 609.0	211.7	410.7	2 252.0	9 387.0	8 028.7	17 260.2	522.0	347.2	6 161.5
Portion in New Hampshire	E1	80	20	1.6	16.3	1.1	2.0	8.8	32.4	27.9	60.6	3.5	(NA)	(NA)
Portion in Massachusetts	-	6 398	2 234	339.9	4 592.7	210.6	408.7	2 243.3	9 354.6	8 000.8	17 199.6	518.5	(NA)	(NA)
STANDARD METROPOLITAN STATISTICAL AREAS														
Boston	-	5 217	1 749	267.7	3 739.4	159.4	311.2	1 748.7	7 469.1	6 358.5	13 717.5	412.8	266.5	4 918.9
Brockton	E1	317	133	12.6	125.4	9.3	16.9	78.3	286.6	261.1	540.7	12.1	12.4	156.9
Fall River, Mass.-R.I.	-	310	166	22.3	205.4	17.8	32.7	138.0	400.4	341.8	738.6	13.8	25.5	338.6
Portion in Massachusetts	E1	286	158	19.6	165.3	16.5	30.0	123.2	324.6	288.0	608.3	11.5	22.7	283.5
Portion in Rhode Island	-	24	8	2.7	40.2	1.3	2.7	14.8	75.7	53.8	130.3	2.3	2.8	55.1
Fitchburg-Leominster	-	305	131	18.4	232.7	12.7	26.9	137.9	757.7	473.3	1 172.1	63.9	16.1	267.6
Lawrence-Haverhill, Mass.-N.H.	-	580	218	38.1	466.6	27.9	53.7	280.1	1 100.7	916.4	1 994.6	68.1	39.3	739.5
Portion in New Hampshire	E1	74	19	1.5	15.8	1.0	1.9	8.4	31.5	27.3	59.1	3.4	1.5	20.0
Portion in Massachusetts	-	506	199	36.6	450.9	26.9	51.9	271.7	1 069.2	889.1	1 935.4	64.7	37.8	719.6
Lowell, Mass.-N.H.	-	364	154	23.1	277.5	15.1	28.8	145.0	530.6	492.7	1 007.4	29.0	22.4	421.7
Portion in New Hampshire	E5	6	1	0.1	0.5	0.1	0.1	0.4	0.9	0.5	1.5	0.1	(Z)	(NA)
Portion in Massachusetts	-	358	153	23.0	277.0	15.0	28.7	144.6	529.7	492.2	1 006.0	28.9	22.3	421.3
New Bedford	-	325	157	24.3	242.5	19.4	36.8	167.8	497.6	470.2	966.5	25.8	24.1	333.8
Pittsfield	-	122	47	15.3	232.2	8.2	15.8	97.6	397.0	248.3	652.8	26.9	16.2	273.5
Providence-Warwick-Pawtucket, R.I.-Mass.	-	3 320	1 026	140.0	1 494.4	107.3	202.2	947.1	3 040.4	3 161.2	6 158.6	173.3	131.9	1 959.9
Portion in Massachusetts	-	349	128	21.6	249.8	17.0	33.1	165.8	467.1	616.4	1 083.9	35.4	20.4	297.4
Portion in Rhode Island	-	2 971	898	118.4	1 244.6	90.3	169.1	781.3	2 573.4	2 544.8	5 074.7	137.9	111.5	1 662.5
Springfield-Chicopee-Holyoke, Mass.-Conn.	-	1 034	400	63.2	779.5	45.5	88.6	480.5	1 735.5	1 572.5	3 290.8	109.1	62.1	1 157.7
Portion in Massachusetts	-	1 021	397	63.0	777.7	45.4	88.3	479.3	1 730.3	1 570.4	3 283.8	108.9	62.0	1 156.3
Portion in Connecticut	E1	13	3	0.2	1.8	0.1	0.3	1.2	5.3	2.1	7.0	0.3	0.1	1.4
Worcester	-	830	314	43.4	553.0	30.2	58.2	319.7	1 101.8	928.9	2 010.7	77.2	45.2	729.6
COUNTIES														
Barnstable	E1	189	27	2.4	25.0	1.6	2.8	12.6	52.9	37.4	88.2	3.1	2.1	30.0
Berkshire	-	210	68	18.8	271.4	10.5	20.5	118.8	458.5	310.5	775.8	30.8	20.4	313.8
Bristol	-	1 050	497	72.7	729.3	57.8	109.5	501.5	1 468.9	1 508.1	2 973.2	(D)	73.8	1 020.5
Dukes	E1	14	2	0.1	1.1	0.1	0.1	0.5	1.5	0.9	2.4	0.1	(D)	(D)
Essex	-	1 353	453	76.5	1 013.0	52.2	100.1	552.7	2 162.3	1 857.1	3 988.6	116.7	81.1	1 460.2
Franklin	-	114	35	5.4	65.6	3.9	7.7	43.7	126.3	139.8	272.3	8.2	5.8	103.6
Hampden	-	906	355	55.7	686.1	40.5	78.4	431.6	1 518.8	1 384.0	2 885.6	99.2	54.6	998.1
Hampshire	-	174	58	8.4	101.1	5.9	12.1	58.0	223.0	217.4	439.8	(D)	8.7	171.5
Middlesex	-	2 741	997	155.5	2 180.5	89.7	176.8	962.3	4 227.3	3 557.3	7 694.3	238.8	151.3	2 880.1
Nantucket	E6	8	-	(Z)	0.4	(Z)	0.1	0.2	0.8	0.5	1.3	(D)	(D)	(D)
Norfolk	-	960	313	54.9	738.0	34.3	67.6	390.9	1 525.6	1 341.3	2 838.6	(D)	48.7	782.6
Plymouth	E1	599	202	19.2	205.0	14.3	27.1	127.5	437.4	382.6	809.4	(D)	19.5	262.6
Suffolk	E1	1 310	457	54.7	693.2	35.2	66.2	350.9	1 560.0	1 472.5	3 015.6	78.0	62.9	1 220.7
Worcester	-	1 505	590	89.2	1 109.1	61.8	123.0	647.8	2 585.3	1 866.1	4 359.2	181.0	89.9	1 432.0
CITIES AND TOWNS														
Abington town	E2	24	12	0.5	5.8	0.4	0.8	3.5	11.9	11.4	23.1	0.5	0.6	6.3
Acton town	-	49	14	1.1	14.3	0.7	1.3	7.9	30.3	42.3	71.7	2.6	1.4	36.9
Acushnet town	E1	14	2	1.1	10.6	0.8	1.4	7.3	22.2	16.1	36.4	(D)	(D)	(D)
Adams town	-	17	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.1	16.1
Agawam town	-	56	19	2.3	29.0	1.8	3.3	17.1	43.2	56.0	99.3	2.2	2.2	41.3
Amesbury town	E2	46	15	1.5	15.1	1.0	2.0	8.8	33.2	22.2	53.9	3.8	1.4	19.4
Andover town	-	65	24	8.0	107.1	5.8	11.3	62.6	324.2	191.3	525.4	6.4	6.7	174.1
Ashland town	-	26	4	2.0	26.1	1.5	3.0	16.0	53.9	26.0	79.9	1.7	2.5	40.0
Athol town	-	21	11	2.7	32.5	2.1	4.4	23.5	60.9	26.0	85.4	2.1	2.4	37.2
Attleboro	-	170	72	15.7	188.5	12.2	24.0	124.6	357.6	448.2	807.7	31.0	15.1	232.8
Auburn town	E1	26	10	0.9	13.1	0.7	1.5	7.9	29.6	24.6	53.8	6.3	1.2	24.9
Avon town	E1	40	23	1.7	19.1	1.2	2.3	11.3	39.4	32.5	71.4	(D)	1.1	16.3
Ayer town	E2	20	8	0.5	5.5	0.3	0.5	2.6	9.9	18.7	28.8	0.7	(NA)	(NA)
Barnstable town	E1	47	9	1.2	12.8	0.7	1.3	6.1	28.1	14.8	41.5	(D)	0.9	11.2
Bedford town	-	52	30	8.9	154.2	2.5	4.8	27.0	155.1	101.0	252.8	10.4	6.9	51.8
Beverly	-	63	15	2.8	37.1	1.5	2.9	18.1	69.2	34.2	103.2	2.0	3.3	61.3
Billerica town	-	59	26	4.1	63.3	1.6	3.1	14.6	60.6	52.4	113.3	5.2	3.2	23.0
Boston	-	1 220	418	50.9	657.7	32.2	60.6	328.2	1 473.3	1 371.5	2 829.0	71.2	59.0	1 146.6
Braintree town	-	58	26	4.3	56.3	2.8	5.4	31.2	141.2	186.3	323.7	5.2	4.1	72.8
Bridgewater town	E5	18	8	1.1	9.0	0.9	1.7	6.5	17.9	16.9	33.9	0.5	1.4	15.5
Brockton	-	168	74	6.4	62.4	4.6	8.1	37.8	136.5	156.6	287.9	5.1	6.7	93.4
Burlington town	-	98	49	8.5	125.6	5.0	9.8	61.0	247.0	110.4	352.4	22.1	6.9	130.0
Cambridge	-	250	103	15.2	220.4	8.4	15.7	84.2	301.1	299.9	592.6	15.0	15.0	268.2
Canton town	-	62	21	3.8	48.5	2.4	5.0	25.8	113.2	128.4	238.3	3.8	3.4	65.1
Chelmsford town	E1	52	20	1.3	13.1	1.0	1.7	7.8	32.2	19.5	51.6	1.9	1.1	18.2
Chelsea	-	63	29	3.2	29.6	2.5	4.7	18.4	72.5	89.0	161.3	(D)	3.3	68.8
Chicopee	-	97	42	7.5	92.2	5.6	11.1	63.5	223.9	173.2	403.6	8.7	8.0	159.3
Clinton town	-	45	22	2.6	26.3	2.0	3.7	18.6	68.7	64.8	133.3	5.5	4.5	63.9
Concord town	-	31	10	1.7	27.2	1.0	1.8	10.2	59.7	24.9	81.2	(D)	1.3	27.4
Dalton town	E3	10	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Danvers town	-	70	24	3.2	41.7	2.0	3.7	19.1	79.3	64.2	142.0	2.1	3.4	52.7
Dartmouth town	-	25	8	0.6	6.8	0.4	0.8	3.7	17.1	25.9	42.7	0.4	(NA)	(NA)
Dedham town	-	35	18	2.6	33.7	1.4	2.6	15.2	51.9	45.1	95.9	1.7	2.7	50.9
Dudley town	-	12	8	0.9	9.6	0.7	1.5	5.6	30.0	48.1	77.9	0.5	0.8	11.6
Easthampton town	-	28	16	2.5	29.2	1.9	4.0	18.6	86.1	63.3	150.5	1.7	2.6	83.8

See footnotes at end of table.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities and Towns: 1977 and 1972—Con.

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area		1977										1972		
		All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)						
E ¹														
CITIES AND TOWNS—Con.														
East Longmeadow town	-	40	14	3.7	47.9	2.5	4.7	27.1	144.9	85.0	225.3	6.3	3.2	84.2
Everett	-	87	37	4.5	65.6	3.1	5.8	39.7	139.4	116.1	252.3	6.7	4.6	88.6
Fall River	E1	241	141	18.2	150.9	15.5	28.1	114.1	290.5	231.2	517.2	8.7	19.6	222.0
Fitchburg	-	95	47	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	8.2	143.0
Foxborough town	-	8	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Framingham town	-	82	25	9.8	146.2	6.8	14.1	89.1	440.3	697.8	1 133.0	18.3	9.7	320.5
Franklin town	E1	31	9	0.9	9.4	0.7	1.4	6.2	18.5	21.5	40.3	0.8	0.7	8.2
Gardner	-	60	26	3.9	42.0	2.8	5.3	25.6	123.9	68.4	190.2	2.0	4.7	88.4
Gloucester	-	63	28	3.5	42.1	2.5	4.9	26.2	75.6	146.2	220.1	3.6	3.0	37.9
Grafton town	-	23	8	1.5	22.9	1.1	2.1	14.5	49.6	58.6	103.9	2.8	1.6	26.7
Greenfield town	-	31	10	2.4	28.9	1.6	3.0	18.5	57.8	37.4	101.6	2.7	2.5	45.4
Hanover town	E1	31	7	1.3	14.7	1.0	2.2	12.1	23.2	15.7	38.6	3.4	0.8	13.7
Haverhill	E1	138	51	4.6	42.9	3.6	6.7	28.0	88.1	93.8	180.3	20.1	4.8	60.4
Hingham town	E1	42	15	1.8	21.2	1.3	2.5	12.6	39.7	25.9	64.6	3.4	1.2	16.1
Holbrook town	E1	33	11	0.8	9.0	0.6	1.0	4.8	19.4	28.5	47.9	1.2	0.9	15.6
Holden town	-	27	7	1.0	13.4	0.7	1.5	8.7	26.5	15.9	41.7	2.2	0.7	16.7
Holliston town	E1	41	13	0.7	8.1	0.4	0.9	4.6	15.4	12.5	27.6	1.5	0.7	9.5
Holyoke	-	138	64	7.7	89.6	5.8	11.2	59.2	185.1	190.1	383.6	8.6	9.0	133.8
Hopedale town	-	6	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Hudson town	-	65	16	2.5	28.4	2.0	4.2	18.9	45.6	47.8	92.0	1.8	2.0	29.2
Ipswich town	-	26	8	0.5	4.6	0.4	0.6	2.5	10.0	10.6	20.7	0.6	(NA)	(NA)
Lawrence	-	157	74	12.3	131.5	9.9	19.3	90.3	305.1	314.5	607.5	16.8	13.6	247.5
Lee town	-	14	8	1.3	21.6	1.0	2.2	14.4	43.7	47.6	91.1	4.7	(D)	(D)
Leominster	-	171	70	7.7	92.6	5.1	10.2	49.5	158.2	206.0	368.3	12.0	6.9	105.8
Lexington town	E1	43	17	6.2	98.7	1.6	3.2	19.1	141.7	57.0	199.7	10.2	4.1	53.4
Littleton town	E1	26	10	0.9	11.3	0.6	1.1	6.7	20.8	28.0	48.0	0.6	(D)	(D)
Lowell	-	181	87	15.4	176.3	10.7	20.6	105.0	386.5	387.3	758.5	18.0	14.9	322.2
Ludlow town	E1	38	15	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Lynn	-	155	56	16.1	270.3	8.9	17.1	112.3	475.9	379.3	857.3	25.4	17.8	319.9
Malden	-	100	35	2.6	30.6	1.9	3.8	17.7	60.5	79.6	140.1	2.5	5.2	138.0
Mansfield town	-	33	22	2.3	27.3	1.5	3.1	16.4	87.8	108.1	196.6	3.9	1.2	26.2
Marblehead town	E2	38	6	0.6	7.5	0.5	0.9	5.0	12.4	13.7	25.8	0.3	0.7	8.6
Marlborough	-	54	23	2.8	31.0	2.1	3.9	17.9	142.5	73.1	204.3	3.0	1.8	23.2
Maynard town	-	17	7	1.3	15.2	0.8	1.5	6.8	45.4	29.4	72.2	1.1	(D)	(D)
Medfield town	-	14	7	0.7	6.7	0.3	0.6	3.0	19.3	14.9	31.6	0.7	(NA)	(NA)
Medford	-	62	17	1.4	16.6	1.0	2.0	10.3	28.0	38.4	67.2	1.1	1.8	26.6
Melrose	E1	23	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.8	12.4
Methuen town	E2	34	11	1.2	13.1	0.8	1.6	6.4	31.3	32.9	63.8	2.3	0.9	12.9
Middleborough town	E1	35	14	0.8	9.5	0.7	1.3	6.8	26.7	30.5	56.6	0.7	0.8	11.6
Milford town	-	32	12	1.8	23.0	1.2	2.5	11.7	57.2	35.3	91.6	5.0	1.5	15.9
Millbury town	-	32	15	1.3	15.2	1.0	1.9	10.1	30.6	27.5	57.2	0.5	1.3	23.4
Millis town	-	17	7	0.5	7.0	0.4	0.9	4.7	24.4	35.6	60.2	1.4	0.6	16.1
Montague town	-	15	4	0.5	7.0	0.4	0.9	4.8	15.4	13.2	28.2	(D)	0.5	8.4
Natick town	E1	63	19	2.2	29.6	1.5	3.1	16.8	76.3	56.4	131.7	3.5	2.5	59.2
Needham town	-	67	12	4.9	75.6	2.7	5.3	44.1	131.0	48.0	178.0	5.0	3.9	60.8
New Bedford	-	213	132	21.7	214.3	17.5	33.3	150.0	436.7	407.5	845.3	21.0	21.8	295.7
Newburyport	-	53	17	1.9	20.7	1.4	2.5	11.5	49.7	40.4	88.0	2.0	1.9	33.6
Newton	-	138	40	3.7	52.9	2.1	4.2	22.4	106.8	97.8	205.7	5.2	4.5	70.6
North Adams	E1	28	10	2.3	25.9	1.3	2.9	11.7	27.0	24.1	51.0	2.6	2.9	22.4
Northampton	-	53	17	2.2	27.6	1.4	3.0	14.4	52.4	53.0	103.0	2.9	2.3	43.3
North Andover town	-	28	15	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
North Attleborough town	-	104	26	2.7	25.5	2.2	3.9	16.7	50.8	60.7	110.6	1.4	2.7	33.1
Northbridge town	-	12	5	1.2	14.5	0.9	1.8	9.4	23.2	16.1	39.8	0.6	1.4	18.1
Norwood town	-	61	26	7.2	100.3	4.8	9.1	56.5	239.8	191.6	423.7	25.2	4.6	80.8
Orange town	-	19	7	0.5	6.3	0.4	0.8	3.4	12.2	10.0	21.4	(D)	0.7	10.3
Oxford town	-	14	5	0.6	7.9	0.5	0.9	5.6	17.9	17.5	35.4	0.7	(NA)	(NA)
Palmer town	-	39	14	1.7	19.9	1.3	2.7	14.2	49.4	42.2	91.3	2.8	2.0	45.7
Peabody	-	115	39	3.8	47.8	2.8	5.4	30.4	95.5	113.0	206.5	6.8	4.3	69.7
Pittsfield	-	71	27	11.4	177.0	5.3	9.6	61.7	291.7	142.4	443.4	15.2	12.6	205.7
Plainville town	-	23	13	1.8	20.1	1.4	2.8	13.0	33.0	87.6	120.8	(D)	1.1	11.8
Plymouth town	E1	34	13	1.2	15.7	0.7	1.4	6.6	22.3	18.2	40.7	1.6	(NA)	(NA)
Quincy	-	125	30	8.6	117.5	6.3	12.4	72.8	288.9	184.1	470.6	14.7	11.2	172.5
Randolph town	-	40	16	1.6	22.8	0.8	1.7	9.6	54.5	42.9	96.4	1.6	1.1	19.9
Reading town	-	19	6	1.0	12.1	0.4	0.7	4.2	38.1	26.2	60.3	1.1	1.0	17.3
Revere	E4	20	9	0.5	5.3	0.4	0.7	3.9	12.9	10.9	22.8	(D)	0.5	4.1
Rockland town	-	38	15	1.5	16.6	1.2	2.4	10.1	27.8	22.2	49.1	1.6	1.5	19.0
Salem	-	119	30	5.2	61.8	3.8	7.1	37.9	166.1	115.1	279.2	7.1	6.1	113.4
Saugus town	E1	38	12	0.7	7.7	0.5	1.0	5.3	15.0	17.9	32.8	0.6	0.6	8.9
Sharon town	E1	22	7	0.7	9.6	0.4	1.0	4.4	18.4	10.9	28.8	0.5	0.5	8.1
Shrewsbury town	-	36	11	1.3	16.0	1.0	2.0	10.5	37.9	42.5	79.4	0.4	1.2	16.7
Somerville	-	109	36	2.9	33.4	2.1	4.0	19.2	67.3	67.4	131.9	2.3	3.2	54.1
Southbridge town	-	41	18	6.0	73.7	3.8	7.5	38.9	89.4	51.0	135.8	8.6	6.5	98.5
South Hadley town	-	21	9	1.9	25.9	1.2	2.4	14.1	47.8	58.4	105.9	4.2	1.6	13.6
Springfield	-	233	88	18.0	233.8	12.9	25.5	149.4	456.2	391.0	821.2	35.7	18.9	318.7
Stoneham town	E3	27	13	0.8	7.8	0.5	0.9	3.7	12.3	11.5	23.6	0.7	0.6	7.6
Stoughton town	E1	69	17	1.9	21.3	1.5	2.9	14.8	45.5	43.1	87.4	2.1	1.7	27.4
Sudbury town	E1	23	8	1.7	33.0									

See footnotes at end of table.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities and Towns: 1977 and 1972—Con.

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Includes cities with 450 manufacturing employees or more. For definitions of E1, E6, and E10, see Appendix A.															
Geographic area	E ¹	1977										1972			
		All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)	
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)							
CITIES AND TOWNS—Con.															
Watertown town	E1	113	38	4.6	57.0	3.0	6.0	28.4	111.3	90.7	201.9	6.9	4.4	80.3	
Wayland town	E1	6	3	2.0	44.0	0.1	0.2	0.9	4.4	1.2	5.5	0.1	2.3	1.3	
Webster town	-	32	12	1.9	19.6	1.6	3.3	14.6	47.2	29.1	73.8	(D)	2.9	28.2	
Westborough town	-	42	18	2.7	36.7	1.8	3.4	20.6	78.5	51.0	129.1	4.2	1.9	34.0	
West Boylston	-	19	7	0.9	12.2	0.6	1.0	6.3	31.0	16.9	47.1	0.7	0.8	19.1	
West Bridgewater	E1	22	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	5.5	
Westfield	-	103	41	7.6	87.1	5.6	9.8	51.3	241.3	196.7	438.2	12.1	4.8	71.9	
Westford town	-	18	7	1.2	14.2	1.0	1.8	11.1	24.0	15.2	39.0	2.4	(D)	(D)	
West Springfield town	E1	104	35	2.9	32.9	2.1	4.2	20.5	82.8	98.9	181.5	3.7	2.8	74.8	
Westwood town	-	21	12	1.5	21.4	0.6	1.2	7.1	37.5	22.5	60.3	1.3	(NA)	(NA)	
Weymouth town	E1	38	8	0.8	10.0	0.6	1.2	5.9	21.9	13.6	35.1	1.4	0.8	15.0	
Whitman town	E1	26	13	0.9	9.6	0.6	1.2	5.7	13.9	11.8	25.9	0.5	1.4	11.4	
Wilbraham town	-	10	7	1.1	17.4	0.5	0.9	5.2	20.4	60.1	79.9	(D)	0.9	23.1	
Williamstown town	E6	10	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Wilmington town	-	61	27	10.2	141.4	4.7	9.6	46.9	250.6	178.3	422.0	23.0	7.2	105.6	
Winchendon town	-	24	11	0.7	6.7	0.5	1.0	4.3	13.2	12.2	25.3	0.2	0.8	9.8	
Winchester town	-	32	10	0.8	9.1	0.6	1.1	5.7	20.2	12.6	33.2	0.8	0.9	13.1	
Woburn	E1	184	70	5.2	66.3	3.4	6.5	34.8	160.1	137.6	293.5	9.3	4.1	70.6	
Worcester	-	437	175	26.3	343.1	17.6	33.4	186.9	649.3	538.8	1 181.3	40.6	28.7	471.8	

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Including central administrative offices and auxiliaries (for definition, see appendix B).
³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	All industries -----	-	11 133	4 054	613.4	7 818.8	407.9	791.9	4 199.2	16 348.6	14 075.4	30 144.2	952.8	618.9	10 677.5
20	Food and kindred products -----	-	678	241	26.8	321.5	17.7	34.2	176.9	786.2	1 867.9	2 650.7	56.6	32.6	642.1
201	Meat products -----	E2	83	22	2.7	38.4	2.1	4.1	27.1	75.2	252.7	328.8	3.7	3.8	76.0
2013	Sausages and other prepared meats -----	E1	58	19	2.4	33.7	1.9	3.7	23.6	59.1	226.7	286.8	3.4	3.4	71.0
202	Dairy products -----	E1	108	42	4.4	62.1	2.2	4.5	28.1	144.3	480.1	622.2	17.1	5.6	129.6
2024	Ice cream and frozen desserts -----	-	30	11	1.6	25.6	0.8	1.5	10.7	51.2	128.3	179.2	(D)	1.9	45.9
2026	Fluid milk -----	E1	68	28	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.5	83.9
203	Preserved fruits and vegetables -----	-	46	18	1.3	13.2	1.2	2.3	10.2	50.9	98.2	149.0	2.4	1.4	25.7
2033	Canned fruits and vegetables -----	-	16	7	0.6	7.0	0.5	1.1	5.5	24.9	53.1	77.9	1.0	0.6	12.7
2035	Pickles, sauces, and salad dressings -----	E1	9	4	0.3	2.8	0.3	0.6	2.2	16.1	24.7	40.8	0.6	BB	(D)
2038	Frozen specialties -----	E1	14	5	0.3	2.3	0.2	0.4	1.6	6.3	10.4	16.7	0.4	0.2	2.2
204	Grain mill products -----	-	12	5	0.3	3.5	0.2	0.4	2.3	8.6	31.3	40.2	0.9	0.6	11.4
205	Bakery products -----	-	134	35	5.2	67.0	3.0	5.5	32.2	151.1	131.9	282.6	7.7	6.8	124.2
2051	Bread, cake, and related products -----	-	128	31	5.0	64.3	2.8	5.3	30.9	146.4	127.2	273.3	(D)	FF	(D)
2052	Cookies and crackers -----	-	6	4	0.2	2.7	0.1	0.3	1.3	4.7	4.7	9.3	(D)	CC	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
20	Food and kindred products—Con.														
206	Sugar and confectionery products -----	-	53	24	3.8	37.7	3.1	6.0	27.1	110.3	220.9	330.9	3.3	4.8	79.0
2062	Cane sugar refining -----	-	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2065	Confectionery products -----	-	46	19	2.9	25.9	2.5	4.8	19.2	81.5	86.0	167.1	(D)	3.7	54.9
2066	Chocolate and cocoa products -----	-	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
207	Fats and oils -----	-	12	4	0.4	5.5	0.2	0.5	2.7	12.2	29.4	41.5	0.6	0.5	9.9
2077	Animal and marine fats and oils -----	-	9	3	0.3	5.1	0.2	0.4	2.4	10.7	20.7	31.2	0.6	BB	(D)
208	Beverages -----	E1	78	28	3.0	37.5	1.4	2.8	13.1	92.0	200.8	292.5	9.0	4.0	88.9
2085	Distilled liquor, except brandy -----	-	4	4	0.5	6.3	0.3	0.7	3.3	19.1	43.4	63.2	0.4	CC	(D)
2086	Bottled and canned soft drinks -----	E1	58	20	2.1	26.5	0.8	1.6	7.9	57.7	142.6	199.3	8.1	2.5	53.3
2087	Flavoring extracts and sirups, n.e.c. -----	E4	15	4	0.3	4.7	0.2	0.4	1.9	15.2	14.8	30.1	0.5	BB	(D)
209	Miscellaneous foods and kindred products -----	-	152	63	5.7	56.8	4.3	8.1	34.2	141.5	422.5	562.9	11.7	5.3	97.4
2092	Fresh or frozen packaged fish -----	-	79	43	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.9	46.7
2095	Roasted coffee -----	-	6	3	0.2	2.6	0.1	0.1	0.6	8.0	37.1	44.8	0.2	0.3	6.1
2098	Macaroni and spaghetti -----	-	10	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2099	Food preparations, n.e.c. -----	-	46	14	1.2	13.2	0.8	1.5	7.4	32.2	53.7	85.8	1.9	1.5	32.2
22	Textile mill products --	-	277	174	26.3	265.0	21.4	43.6	189.8	522.2	614.8	1 123.0	32.7	29.1	417.5
2221	Weaving mills, manmade fiber and silk -----	-	17	15	4.0	42.7	3.3	6.8	29.0	70.8	98.9	166.6	4.5	3.1	48.3
2231	Weaving and finishing mills, wool -----	-	24	15	2.2	18.9	1.8	3.6	14.4	45.2	30.6	75.3	2.9	2.8	33.3
2241	Narrow fabric mills -----	-	20	12	1.2	9.6	1.0	1.9	7.0	19.4	14.4	34.1	0.4	1.4	15.8
225	Knitting mills -----	-	44	36	6.3	57.7	5.2	9.7	41.6	132.2	162.2	289.0	8.5	6.5	90.2
2252	Hosiery, n.e.c. -----	E1	3	3	0.2	1.1	0.1	0.3	0.7	2.3	2.6	4.8	(Z)	AA	(D)
2253	Knit outerwear mills -----	-	21	16	2.6	21.1	2.0	3.6	14.3	53.2	52.8	101.2	1.5	2.5	28.2
2257	Circular knit fabric mills -----	-	11	8	3.3	32.6	2.8	5.4	24.6	70.5	99.6	169.7	6.5	3.6	57.3
2258	Warp knit fabric mills -----	-	6	6	0.2	2.3	0.2	0.4	1.5	4.8	6.0	10.8	0.5	AA	(D)
226	Textile finishing, except wool --	-	41	27	5.0	55.0	4.1	8.9	42.3	90.9	93.5	184.6	5.9	5.9	80.1
2261	Finishing plants, cotton -----	-	14	7	2.6	27.6	2.1	4.6	22.0	44.1	63.7	108.4	4.6	2.1	27.2
2262	Finishing plants, synthetics --	-	16	12	2.0	23.3	1.6	3.6	17.6	40.6	24.7	64.8	0.5	FF	(D)
2269	Finishing plants, n.e.c. -----	-	11	8	0.4	4.1	0.4	0.8	2.7	6.3	5.1	11.4	0.8	0.5	4.3
228	Yarn and thread mills -----	-	30	24	2.2	19.3	1.8	3.5	12.9	35.0	36.5	69.8	1.4	1.8	17.1
2281	Yarn mills, except wool -----	-	10	8	0.8	6.1	0.7	1.4	5.1	11.3	14.3	24.7	(D)	0.6	5.1
2282	Throwing and winding mills --	-	6	5	0.6	5.4	0.4	0.7	2.6	9.5	10.8	19.8	(D)	0.2	2.1
2283	Wool yarn mills -----	E1	6	4	0.3	2.0	0.2	0.5	1.7	3.0	1.9	4.8	(D)	0.3	2.6
2284	Thread mills -----	-	8	7	0.6	5.8	0.5	1.0	3.5	11.2	9.5	20.4	0.4	0.6	7.3
229	Miscellaneous textile goods ---	E1	88	42	5.1	60.3	4.0	8.7	41.6	124.3	175.1	295.6	9.0	6.8	128.1
2293	Paddings and upholstery filling -----	-	6	3	0.3	2.7	0.2	0.4	2.0	6.3	3.5	9.8	(D)	0.3	3.8
2294	Processed textile waste -----	E3	15	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2295	Coated fabrics, not rubberized -----	-	20	16	1.8	23.0	1.3	2.9	15.2	43.7	89.8	133.0	1.6	2.8	54.6
2297	Nonwoven fabrics -----	E2	7	6	1.8	22.9	1.5	3.4	16.3	51.8	59.5	108.5	5.5	EE	(D)
2298	Cordage and twine -----	-	10	7	0.3	3.0	0.2	0.5	2.0	7.9	7.8	15.3	0.7	0.3	5.4
2299	Textile goods, n.e.c. -----	E2	28	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.1	18.9
23	Apparel and other textile products -----	-	767	424	42.4	330.0	35.7	62.7	235.2	678.6	702.6	1 370.3	(D)	46.3	488.4
2311	Men's and boys' suits and coats -----	-	62	39	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	6.5	80.1
232	Men's and boys' furnishings ---	E1	57	31	3.2	23.1	2.8	5.1	17.7	40.6	35.5	75.9	(D)	3.6	41.2
2321	Men's and boys' shirts and nightwear -----	-	5	4	0.7	4.4	0.7	1.3	4.0	7.0	3.4	10.5	(D)	CC	(D)
2323	Men's and boys' neckwear --	E7	10	4	0.2	1.5	0.2	0.3	0.9	2.8	2.9	5.7	(D)	0.4	4.5
2327	Men's and boys' separate trousers -----	E1	16	8	0.9	6.8	0.8	1.4	5.1	15.5	12.2	27.2	(D)	CC	(D)
2328	Men's and boys' work clothing -----	-	8	7	0.6	5.2	0.5	0.9	3.8	7.5	11.4	18.7	(D)	BB	(D)
2329	Men's and boys' clothing, n.e.c. -----	E3	18	8	0.8	5.2	0.7	1.2	3.8	7.9	5.8	13.8	(D)	1.4	12.5
233	Women's and misses' outerwear -----	E1	323	207	17.2	129.5	14.4	24.2	91.1	275.1	316.2	589.5	(D)	19.0	196.4
2331	Women's and misses' blouses and waists -----	-	24	17	1.2	8.2	1.1	1.7	6.8	10.6	3.2	14.0	(D)	0.9	6.0
2335	Women's and misses' dresses -----	E2	141	79	6.8	46.1	6.0	10.3	35.6	81.3	62.3	144.9	(D)	10.8	108.2
2337	Women's and misses' suits and coats -----	-	99	71	6.3	53.2	5.1	8.5	34.3	141.6	174.0	312.9	(D)	5.1	61.8
2339	Women's and misses' outerwear, n.e.c. -----	E1	59	40	2.9	21.9	2.3	3.6	14.3	41.5	76.7	117.8	(D)	2.3	20.4

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
23	Apparel and other textile products—Con.														
234	Women's and children's undergarments -----	-	29	18	2.4	16.1	2.1	3.9	11.7	26.0	23.0	49.2	(D)	FF	(D)
2341	Women's and children's underwear -----	-	22	15	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2342	Brassieres and allied garments -----	E1	7	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	4.8
235	Hats, caps, and millinery -----	-	15	8	0.6	3.9	0.5	1.0	3.2	5.3	7.7	12.9	(D)	BB	(D)
2352	Hats and caps, except millinery -----	E1	11	4	0.5	2.9	0.4	0.8	2.4	3.9	5.3	9.1	(D)	BB	(D)
236	Children's outerwear -----	E3	24	13	1.3	10.4	1.1	2.1	7.5	19.2	18.2	36.9	(D)	2.2	21.0
2361	Children's dresses and blouses -----	E1	6	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2363	Children's coats and suits -----	-	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2369	Children's outerwear, n.e.c. -----	E4	16	9	1.0	7.8	0.8	1.6	5.5	13.9	13.0	26.6	(D)	EE	(D)
238	Miscellaneous apparel and accessories -----	-	43	26	2.3	18.6	1.9	3.3	13.2	33.1	26.7	57.9	(D)	3.1	33.6
2385	Waterproof outer garments -----	-	14	10	0.8	5.4	0.7	1.1	4.1	9.5	4.3	13.7	(D)	1.5	14.0
2386	Leather and sheep lined clothing -----	-	8	6	0.7	5.8	0.6	1.1	4.2	10.7	10.8	19.9	(D)	0.6	7.9
2387	Apparel belts -----	-	11	7	0.6	5.5	0.5	0.8	3.7	9.3	7.2	16.5	(D)	CC	(D)
239	Miscellaneous fabricated textile products -----	-	213	82	7.7	61.3	6.2	11.1	39.3	126.0	161.6	288.0	(D)	8.5	88.3
2391	Curtains and draperies -----	-	49	28	3.1	20.6	2.6	4.7	15.2	38.3	59.4	98.8	(D)	3.5	30.7
2392	House furnishings, n.e.c. -----	E1	33	13	0.9	6.9	0.7	1.2	4.2	15.7	24.0	39.2	(D)	1.5	16.5
2393	Textile bags -----	-	16	4	0.3	2.5	0.3	0.5	1.6	4.2	17.2	21.4	(D)	AA	(D)
2394	Canvas and related products -----	E2	35	6	0.5	4.4	0.4	0.7	2.5	7.8	8.2	15.9	(D)	0.5	5.7
2395	Pleating and stitching -----	E1	19	9	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	3.0
2396	Automotive and apparel trimmings -----	-	22	11	1.4	15.0	1.0	1.8	7.6	36.4	34.4	71.0	(D)	1.5	25.5
2399	Fabricated textile products, n.e.c. -----	E1	37	9	0.8	5.9	0.7	1.2	4.3	12.8	12.5	25.0	(D)	0.7	5.2
24	Lumber and wood products -----	E1	393	77	6.0	57.1	4.7	8.7	36.8	115.3	129.7	242.7	(D)	6.0	80.8
242	Sawmills and planing mills -----	E2	93	14	1.0	8.6	0.8	1.6	6.5	20.1	17.9	37.9	(D)	0.7	8.2
2421	Sawmills and planing mills, general -----	E2	77	11	0.8	7.2	0.6	1.3	5.3	17.4	15.3	32.7	(D)	0.5	6.3
2426	Hardwood dimension and flooring -----	-	15	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
243	Millwork, plywood, and structural members -----	E2	112	22	1.6	16.9	1.2	2.3	10.5	31.2	37.0	68.1	(D)	1.6	21.1
2431	Millwork -----	E2	59	15	1.0	10.6	0.7	1.4	6.5	21.1	29.0	50.1	(D)	1.1	12.8
2434	Wood kitchen cabinets -----	E1	46	6	0.6	5.6	0.4	0.7	3.4	8.9	6.3	15.1	(D)	0.4	6.1
244	Wood containers -----	E1	43	9	0.5	4.2	0.5	0.9	3.2	6.7	8.6	15.2	0.3	0.5	4.7
2448	Wood pallets and skids -----	-	24	7	0.3	2.7	0.3	0.5	2.0	4.3	6.0	10.2	0.2	0.2	2.3
245	Wood buildings and mobile homes -----	E1	11	8	0.6	7.0	0.3	0.5	2.8	14.4	26.3	39.8	(D)	0.6	12.0
2452	Prefabricated wood buildings -----	-	10	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
249	Miscellaneous wood products -----	-	92	24	2.1	19.2	1.8	3.3	12.9	39.5	36.7	75.2	(D)	EE	(D)
2499	Wood products, n.e.c. -----	-	91	24	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
25	Furniture and fixtures -----	E1	295	81	7.6	75.8	5.8	10.9	48.1	142.7	133.5	275.2	(D)	9.2	119.0
251	Household furniture -----	E1	203	59	5.5	49.6	4.5	8.5	34.4	93.1	97.3	190.4	(D)	7.2	89.4
2511	Wood household furniture -----	E1	101	25	2.7	23.2	2.2	4.2	16.9	45.4	44.7	89.4	(D)	3.4	38.5
2512	Upholstered household furniture -----	-	48	19	1.7	16.2	1.4	2.6	10.7	26.3	25.1	51.7	(D)	2.0	24.8
2514	Metal household furniture -----	E3	12	6	0.5	4.0	0.4	0.8	2.8	7.7	8.9	16.7	0.2	CC	(D)
2515	Mattresses and bedsprings -----	E1	30	7	0.5	5.2	0.4	0.8	3.3	12.3	16.6	28.8	(D)	0.8	12.3
252	Office furniture -----	-	7	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2521	Wood office furniture -----	-	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2522	Metal office furniture -----	-	5	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
254	Partitions and fixtures -----	-	52	13	0.8	10.6	0.6	1.1	6.4	19.7	15.8	35.3	(D)	1.0	14.3
2541	Wood partitions and fixtures -----	E1	40	7	0.4	5.1	0.3	0.5	3.2	9.6	6.4	15.9	(D)	0.6	7.9
2542	Metal partitions and fixtures -----	-	12	6	0.4	5.5	0.3	0.6	3.2	10.1	9.4	19.4	(D)	0.5	6.4
259	Miscellaneous furniture and fixtures -----	E1	22	5	0.4	5.1	0.4	0.7	3.8	8.8	5.8	14.4	(D)	0.4	5.9
2599	Furniture and fixtures, n.e.c. -----	E1	11	5	0.4	4.7	0.3	0.6	3.5	8.0	4.9	12.7	(D)	0.3	4.7
26	Paper and allied products -----	-	339	206	29.8	375.7	22.3	45.3	245.7	767.7	942.8	1 700.7	63.5	28.2	487.9
2621	Paper mills, except building paper -----	-	40	31	6.3	94.6	4.8	10.4	68.0	178.1	269.0	446.1	14.1	EE	(D)
2631	Paperboard mills -----	-	7	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
26	Paper and allied products—Con.														
264	Miscellaneous converted paper products -----	-	150	74	13.9	169.8	10.1	20.5	103.5	359.9	397.3	749.6	21.5	11.0	196.0
2641	Paper coating and glazing ---	-	41	22	3.5	46.4	2.3	5.0	27.5	101.3	137.1	236.2	6.1	2.9	58.6
2642	Envelopes -----	-	8	7	1.5	16.3	1.3	2.4	12.2	31.9	35.7	67.4	1.5	EE	(D)
2643	Bags, except textile bags ---	-	19	8	1.0	12.0	0.8	1.8	8.9	28.9	41.7	70.1	4.5	1.1	19.7
2645	Die-cut paper and board ----	E1	10	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2646	Pressed and molded pulp goods -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2647	Sanitary paper products ----	-	3	3	0.6	7.2	0.5	0.8	4.5	24.8	18.9	43.6	(D)	1.5	36.5
2648	Stationery products -----	-	24	11	1.9	22.2	1.4	2.7	13.8	40.4	29.3	69.6	2.8	1.9	26.8
2649	Converted paper products, n.e.c. -----	-	44	20	4.7	58.0	3.3	6.5	30.7	117.8	123.5	237.3	4.5	1.0	15.4
265	Paperboard containers and boxes -----	-	142	95	8.9	100.7	6.8	13.0	65.6	205.7	248.7	453.4	(D)	9.9	147.8
2651	Folding paperboard boxes ---	-	27	21	2.1	23.9	1.6	3.4	17.0	45.7	53.2	99.1	(D)	2.3	34.4
2652	Setup paperboard boxes ----	-	29	20	1.4	13.3	1.2	2.1	8.8	32.3	17.3	49.5	0.5	2.0	25.2
2653	Corrugated and solid fiber boxes -----	-	57	35	3.8	47.0	2.7	5.1	28.0	86.8	136.2	222.7	5.4	4.2	63.4
2654	Sanitary food containers ----	-	13	8	1.0	10.1	0.9	1.5	7.3	26.7	27.7	53.9	1.0	0.9	14.6
2655	Fiber cans, drums, and similar products -----	-	16	11	0.6	6.3	0.5	0.9	4.5	14.1	14.3	28.3	0.5	0.6	10.1
27	Printing and publishing -----	-	1 521	344	41.8	527.6	23.9	43.4	266.2	1 181.8	560.5	1 734.5	49.7	42.6	750.0
2711	Newspapers -----	-	210	61	12.5	166.7	4.7	7.8	62.6	360.1	99.7	459.7	14.9	13.2	249.2
2721	Periodicals -----	-	107	17	1.5	23.0	0.3	0.6	2.9	71.4	35.6	106.9	0.8	0.8	18.2
273	Books -----	-	122	40	7.0	93.1	3.0	5.8	36.9	294.7	143.0	434.7	8.7	7.2	156.0
2731	Book publishing -----	-	81	20	3.9	53.4	0.4	0.7	4.6	226.9	109.7	333.5	5.7	3.2	97.0
2732	Book printing -----	-	41	20	3.1	39.7	2.6	5.1	32.2	67.8	33.4	101.3	3.0	3.9	59.0
2741	Miscellaneous publishing ----	E1	59	9	0.5	6.8	0.2	0.4	2.0	18.8	7.1	25.6	0.3	CC	(D)
275	Commercial printing -----	E1	825	143	12.9	155.1	10.2	18.8	107.6	280.2	184.3	463.2	16.5	12.4	186.2
2751	Commercial printing, letterpress -----	E2	412	40	3.8	39.5	3.0	5.4	27.7	70.0	50.6	120.3	4.3	FF	(D)
2752	Commercial printing, lithographic -----	-	372	88	8.0	102.7	6.3	11.7	70.4	185.0	118.9	303.0	11.1	7.0	101.6
2753	Engraving and plate printing -	E1	24	9	0.7	7.4	0.6	1.0	5.3	15.1	5.7	20.7	0.7	0.7	11.7
2754	Commercial printing, gravure -----	E1	17	6	0.4	5.6	0.4	0.7	4.3	10.0	9.1	19.2	0.5	BB	(D)
2761	Manifold business forms -----	-	12	11	0.6	8.9	0.5	0.9	5.5	17.3	13.2	30.6	0.3	CC	(D)
2771	Greeting card publishing -----	-	12	6	1.6	18.7	0.9	1.6	8.0	32.5	22.2	54.0	0.4	2.2	37.5
278	Blankbooks and bookbinding --	-	60	32	3.7	36.6	3.0	5.5	27.4	74.9	45.1	117.9	4.7	3.6	49.0
2782	Blankbooks and looseleaf binders -----	-	22	15	2.9	28.5	2.3	4.3	21.4	61.8	41.7	101.4	4.2	2.5	37.7
2789	Bookbinding and related work -----	E1	38	17	0.8	8.0	0.7	1.2	6.0	13.1	3.4	16.5	0.5	1.1	11.3
279	Printing trade services -----	E1	114	25	1.4	18.7	1.0	1.9	13.5	31.9	10.4	41.9	3.1	1.8	28.0
2791	Typesetting -----	E1	78	17	0.9	12.0	0.7	1.3	8.7	20.2	3.5	23.5	1.1	1.3	19.8
2795	Lithographic platemaking services -----	-	20	8	0.4	5.7	0.3	0.5	4.0	9.7	6.3	15.8	1.9	0.2	3.2
28	Chemicals and allied products -----	-	349	113	15.8	236.8	9.1	18.3	114.1	758.6	815.7	1 572.2	61.1	16.4	593.3
281	Industrial inorganic chemicals --	-	31	6	1.3	20.0	0.8	1.8	10.4	73.9	35.1	107.4	10.1	1.5	45.5
2819	Industrial inorganic chemicals, n.e.c. -----	-	18	5	1.1	17.4	0.7	1.6	9.0	63.6	27.6	89.7	(D)	EE	(D)
282	Plastics materials and synthetics -----	-	26	19	4.1	66.9	2.2	4.3	30.5	140.4	269.7	414.5	19.7	4.9	130.7
2821	Plastics materials and resins -	-	24	19	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
283	Drugs -----	E2	31	11	1.4	18.1	0.8	1.5	6.6	49.6	19.8	68.7	2.4	0.8	21.2
2831	Biological products -----	-	7	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2834	Pharmaceutical preparations -	E2	22	7	1.2	16.1	0.6	1.3	5.8	42.5	17.1	59.1	2.2	CC	(D)
284	Soaps, cleaners, and toilet goods -----	-	87	25	3.5	49.9	2.1	4.2	24.3	269.6	202.6	470.5	12.1	4.1	263.8
2841	Soap and other detergents --	-	15	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2842	Polishes and sanitation goods -----	E1	44	12	0.8	9.7	0.4	0.8	3.8	32.3	38.1	70.2	0.5	0.9	22.5
2843	Surface active agents -----	-	18	5	0.5	7.6	0.3	0.7	3.2	18.3	23.0	41.1	0.7	BB	(D)
2844	Toilet preparations -----	-	10	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2851	Paints and allied products ----	E1	48	20	1.2	16.9	0.6	1.3	7.1	48.3	52.6	100.9	2.4	1.5	36.2
286	Industrial organic chemicals ---	-	19	7	1.5	25.7	0.9	1.9	15.0	63.3	96.2	157.8	4.3	0.6	23.1
2865	Cyclic crudes and intermediates -----	E1	6	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2869	Industrial organic chemicals, n.e.c. -----	-	10	5	1.2	21.5	0.7	1.5	12.4	48.4	75.9	122.4	3.3	AA	(D)
289	Miscellaneous chemical products -----	-	100	25	2.7	41.0	1.6	3.2	20.0	112.2	136.3	247.7	10.0	3.0	70.7
2891	Adhesives and sealants -----	-	36	14	1.0	14.3	0.6	1.2	6.2	37.6	49.0	86.6	3.4	1.5	31.6
2893	Printing ink -----	E3	18	2	0.2	2.6	0.1	0.2	1.2	7.8	8.9	16.6	0.3	0.2	3.8
2899	Chemical preparations, n.e.c. -----	-	46	9	1.5	24.1	0.9	1.8	12.6	66.9	78.4	144.5	6.3	1.3	35.4

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]															
SIC code	Industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
29	Petroleum and coal products -----	-	67	15	1.3	18.9	0.9	2.1	12.1	60.5	112.6	173.2	7.2	EE	(D)
295	Paving and roofing materials ---	-	48	10	1.0	14.8	0.7	1.8	10.2	44.5	84.6	129.6	5.4	1.1	26.1
2951	Paving mixtures and blocks ---	-	43	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2952	Asphalt felts and coatings ---	-	5	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
299	Miscellaneous petroleum and coal products -----	E2	17	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2992	Lubricating oils and greases -	E1	14	4	0.2	3.3	0.1	0.3	1.4	13.6	22.1	35.4	(D)	AA	(D)
30	Rubber and miscellaneous plastics products ----	-	539	266	30.4	336.7	23.5	46.1	220.6	727.2	778.8	1 508.0	62.5	31.6	560.3
3011	Tires and inner tubes -----	-	4	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3021	Rubber and plastics footwear --	E1	9	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3041	Rubber and plastics hose and belting -----	-	4	4	1.2	12.6	0.7	1.5	8.6	27.7	22.3	50.8	1.3	EE	(D)
3069	Fabricated rubber products, n.e.c. -----	-	62	32	5.1	62.8	3.8	7.8	38.4	126.3	98.1	224.1	7.3	7.7	128.5
3079	Miscellaneous plastics products -----	-	460	224	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	16.8	266.6
31	Leather and leather products -----	-	339	160	22.1	188.9	18.9	33.7	133.8	339.5	429.9	765.8	9.0	28.5	299.6
3111	Leather tanning and finishing --	E1	110	42	3.1	33.0	2.6	4.8	23.9	57.5	129.9	189.9	3.2	4.0	55.3
3131	Boot and shoe cut stock and findings -----	E1	66	31	2.3	20.8	1.9	3.5	14.0	40.9	61.4	102.4	0.7	2.8	30.7
314	Footwear, except rubber -----	-	88	63	13.5	106.5	11.8	20.7	78.4	187.7	199.1	380.8	4.3	18.9	178.7
3142	House slippers -----	-	7	6	0.7	4.6	0.6	1.0	3.0	6.8	6.5	13.4	(D)	CC	(D)
3143	Men's footwear, except athletic -----	-	22	15	4.2	34.1	3.7	6.5	24.2	68.5	64.7	129.3	1.0	FF	(D)
3144	Women's footwear, except athletic -----	-	37	25	5.1	36.3	4.6	8.1	29.3	62.8	65.9	129.8	(D)	8.2	71.2
3149	Footwear, except rubber, n.e.c. -----	-	22	17	3.6	31.5	2.9	5.1	21.9	49.5	62.0	108.3	1.7	FF	(D)
3161	Luggage -----	E6	11	4	0.4	3.2	0.3	0.5	1.8	6.3	7.5	13.7	(D)	BB	(D)
317	Handbags and other personal leather goods -----	-	38	14	2.4	21.6	1.9	3.4	12.8	38.4	24.3	62.8	0.7	2.2	26.9
3171	Women's handbags and purses -----	E2	15	6	0.6	5.2	0.5	1.0	3.8	7.4	5.6	12.9	0.1	CC	(D)
3172	Personal leather goods -----	-	23	8	1.8	16.4	1.4	2.4	8.9	31.0	18.8	49.8	0.6	EE	(D)
3199	Leather goods, n.e.c. -----	E1	26	6	0.5	3.7	0.4	0.8	3.1	8.7	7.7	16.2	(D)	BB	(D)
32	Stone, clay, and glass products -----	-	321	79	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	12.4	258.4
322	Glass and glassware, pressed or blown -----	-	10	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3221	Glass containers -----	-	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3231	Products of purchased glass ---	-	20	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	11.4
326	Pottery and related products ---	E1	18	2	0.2	1.8	0.2	0.3	1.1	3.9	1.4	5.1	0.2	BB	(D)
3264	Porcelain electrical supplies -	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
327	Concrete, gypsum, and plaster products -----	E1	171	34	2.4	33.1	1.8	3.6	22.8	70.2	72.9	143.3	4.3	3.8	79.5
3271	Concrete block and brick ---	E2	30	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3272	Concrete products, n.e.c. ---	E1	89	13	1.1	14.1	0.9	1.7	10.1	28.2	24.1	52.4	1.0	2.0	35.4
3273	Ready-mixed concrete -----	E1	50	14	0.9	12.8	0.6	1.2	8.9	26.8	32.3	59.2	2.4	1.2	30.6
3281	Cut stone and stone products -	-	27	2	0.3	3.8	0.3	0.5	2.5	6.2	3.0	9.3	0.1	0.5	7.0
329	Miscellaneous nonmetallic mineral products -----	-	69	32	7.6	109.3	4.9	9.2	56.8	227.6	178.9	402.6	14.0	7.1	149.1
3291	Abrasive products -----	-	26	16	6.2	92.3	3.8	7.1	46.4	170.0	139.0	308.2	10.8	5.8	127.1
3292	Asbestos products -----	-	4	3	0.3	3.3	0.2	0.5	2.0	11.3	10.8	20.5	(D)	CC	(D)
3293	Gaskets, packing, and sealing devices -----	-	16	8	0.8	10.4	0.6	1.2	6.1	39.8	23.7	61.9	1.2	0.4	7.1
33	Primary metal industries -----	-	249	129	14.0	178.1	11.2	22.5	127.6	363.0	671.7	1 044.8	23.9	14.0	239.3
331	Blast furnace and basic steel products -----	-	40	24	2.5	36.3	1.9	3.9	25.6	76.7	96.9	172.6	2.7	2.5	48.0
3315	Steel wire and related products -----	-	25	19	2.0	27.5	1.6	3.1	20.1	54.1	56.6	110.3	2.0	2.1	36.5
3316	Cold finishing of steel shapes -----	-	6	3	0.5	7.0	0.3	0.6	4.0	19.3	33.9	52.8	(D)	BB	(D)
332	Iron and steel foundries -----	E1	39	24	2.1	26.2	1.8	3.3	20.1	50.2	29.8	79.5	5.1	2.6	34.9
3321	Gray iron foundries -----	E1	32	19	1.6	19.9	1.4	2.6	15.6	35.4	24.2	59.0	4.3	EE	(D)
3322	Malleable iron foundries -----	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3325	Steel foundries, n.e.c. -----	E1	5	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	3.4
3341	Secondary nonferrous metals --	-	16	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
33	Primary metal industries—Con.														
335	Nonferrous rolling and drawing -	-	59	42	6.9	82.8	5.4	11.3	59.3	167.5	443.8	623.4	11.8	6.6	119.1
3351	Copper rolling and drawing -	-	6	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3354	Aluminum extruded products -	-	4	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3356	Nonferrous rolling and drawing, n.e.c. -	-	9	5	1.2	15.7	1.0	2.2	11.3	30.6	239.4	276.3	2.1	1.0	23.0
3357	Nonferrous wire drawing and insulating -	-	39	29	4.9	56.9	3.9	8.0	40.5	118.1	173.0	297.1	8.8	4.4	77.5
336	Nonferrous foundries -	E2	56	19	1.2	15.0	1.0	2.0	11.4	26.4	22.2	48.5	(D)	1.2	16.2
3361	Aluminum foundries -	E1	32	9	0.7	8.9	0.6	1.2	6.7	15.7	10.8	26.4	(D)	0.5	7.4
3362	Brass, bronze, and copper foundries -	E3	23	9	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	6.4
339	Miscellaneous primary metal products -	-	38	15	1.0	13.6	0.8	1.6	9.3	31.7	35.9	67.7	(D)	CC	(D)
3398	Metal heat treating -	-	23	7	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3399	Primary metal products, n.e.c. -	-	15	8	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
34	Fabricated metal products -	-	1 195	440	47.4	597.3	36.6	71.8	402.9	1 297.7	912.2	2 171.2	75.7	46.1	839.3
341	Metal cans and shipping containers -	-	7	5	0.6	9.5	0.5	1.2	7.8	24.6	45.1	69.6	0.8	0.8	22.6
3411	Metal cans -	-	4	4	0.5	8.7	0.5	1.0	7.2	23.3	43.5	66.7	0.7	0.8	21.7
342	Cutlery, hand tools, and hardware -	-	105	50	10.3	128.2	8.2	15.8	92.0	390.0	184.9	558.7	20.4	8.9	240.0
3421	Cutlery -	-	8	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3423	Hand and edge tools, n.e.c. -	-	54	25	4.0	49.1	3.3	6.7	35.9	102.3	64.2	145.7	6.5	FF	(D)
3425	Hand saws and saw blades -	-	6	4	1.3	19.8	0.9	1.9	13.0	53.4	33.1	85.6	(D)	EE	(D)
3429	Hardware, n.e.c. -	-	37	16	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
343	Plumbing and heating, except electric -	E1	32	9	0.8	9.8	0.7	1.2	6.3	21.9	18.8	39.4	1.3	0.9	16.6
3432	Plumbing fittings and brass goods -	-	6	3	0.2	2.5	0.2	0.3	1.6	5.4	4.2	9.5	0.2	BB	(D)
3433	Heating equipment, except electric -	E1	24	5	0.5	6.7	0.4	0.9	4.3	15.2	13.3	27.4	1.0	0.6	10.8
344	Fabricated structural metal products -	E1	352	110	7.1	92.9	5.3	10.4	58.8	161.8	168.3	329.9	10.3	8.0	137.1
3441	Fabricated structural metal -	E1	57	17	1.1	15.8	0.8	1.6	9.9	27.4	33.0	60.1	1.4	2.7	48.8
3442	Metal doors, sash, and trim -	E2	53	21	1.3	12.9	1.0	1.8	8.2	27.6	30.2	57.8	2.8	1.3	18.2
3443	Fabricated plate work (boiler shops) -	-	54	27	2.0	28.4	1.4	2.8	17.2	52.0	41.8	92.5	2.8	1.0	18.2
3444	Sheet metal work -	E1	137	35	2.1	27.1	1.6	3.2	18.0	39.9	45.6	85.9	2.5	2.6	41.6
3446	Architectural metal work -	E2	38	2	0.2	2.5	0.2	0.3	1.8	3.7	2.9	6.6	(D)	BB	(D)
3448	Prefabricated metal buildings -	-	7	6	0.4	4.5	0.2	0.4	2.9	10.4	9.7	20.0	0.7	(NA)	(NA)
345	Screw machine products, bolts, etc. -	-	116	48	5.0	60.9	3.9	7.7	41.8	110.1	82.5	189.2	5.7	4.6	69.0
3451	Screw machine products -	-	87	32	2.1	24.3	1.8	3.5	17.6	42.3	27.8	69.4	2.3	2.2	29.3
3452	Bolts, nuts, rivets, and washers -	-	29	16	2.9	36.6	2.1	4.2	24.3	67.7	54.6	119.7	3.4	2.4	39.8
346	Metal forgings and stampings -	-	143	67	6.6	89.3	5.2	10.2	58.2	184.1	158.9	333.9	14.4	8.6	136.7
3462	Iron and steel forgings -	-	12	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3463	Nonferrous forgings -	-	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3465	Automotive stampings -	-	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3469	Metal stampings, n.e.c. -	-	125	58	4.3	50.1	3.5	6.9	33.8	97.8	78.2	173.2	(D)	4.3	59.8
347	Metal services, n.e.c. -	E1	217	64	3.5	36.2	2.9	5.7	24.8	61.9	37.5	99.3	3.5	2.9	35.9
3471	Plating and polishing -	-	123	33	2.1	21.5	1.7	3.4	15.0	37.5	24.4	61.8	2.7	2.0	24.2
3479	Metal coating and allied services -	E1	94	31	1.4	14.7	1.1	2.2	9.8	24.5	13.1	37.5	0.8	1.0	11.7
348	Ordnance and accessories, n.e.c. -	-	15	11	4.5	52.2	3.8	7.7	44.2	104.3	42.2	145.8	6.4	3.9	52.6
3483	Ammunition, except for small arms, n.e.c. -	-	4	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3484	Small arms -	-	7	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
349	Miscellaneous fabricated metal products -	E1	208	76	8.9	118.5	6.1	11.9	68.9	238.9	174.2	405.4	13.0	7.4	128.7
3494	Valves and pipe fittings -	E1	34	18	5.3	76.7	3.3	6.5	41.7	162.4	98.3	254.1	8.7	3.9	79.1
3495	Wire springs -	-	11	10	0.5	5.5	0.4	0.8	3.7	10.4	14.1	24.6	0.5	CC	(D)
3496	Miscellaneous fabricated wire products -	E2	44	12	0.7	6.7	0.5	1.0	4.2	12.4	10.6	22.8	0.7	EE	(D)
3497	Metal foil and leaf -	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3498	Fabricated pipe and fittings -	-	14	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3499	Fabricated metal products, n.e.c. -	E1	101	30	1.8	22.1	1.4	2.8	15.0	39.9	29.8	68.9	2.2	1.6	24.0
35	Machinery, except electrical -	-	1 634	439	81.2	1 152.8	50.0	101.7	610.0	2 998.6	1 479.0	4 375.5	159.6	74.3	1 727.1
351	Engines and turbines -	-	10	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3511	Turbines and turbine generator sets -	-	6	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3519	Internal combustion engines, n.e.c. -	-	4	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B.

SIC code	Industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
35	Machinery, except electrical—Con.														
352	Farm and garden machinery ---	E1	9	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3523	Farm machinery and equipment -----	-	8	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
353	Construction and related machinery -----	E3	54	16	1.2	16.1	0.8	1.5	9.1	29.9	22.5	52.0	1.3	EE	(D)
3531	Construction machinery -----	E3	21	6	0.4	5.2	0.3	0.5	3.0	10.3	7.9	18.2	0.7	BB	(D)
3534	Elevators and moving stairways -----	E7	6	3	0.3	3.5	0.2	0.3	2.2	5.4	3.6	9.1	0.2	BB	(D)
3535	Conveyors and conveying equipment -----	E1	13	3	0.3	4.5	0.2	0.4	2.3	8.9	6.1	14.6	0.2	0.3	4.9
354	Metalworking machinery -----	-	404	105	14.0	197.8	10.1	20.4	127.0	377.8	177.3	554.8	15.4	14.6	265.6
3541	Machine tools, metal cutting types -----	-	37	10	2.2	34.8	1.4	2.6	18.4	65.6	31.1	92.4	2.1	FF	(D)
3542	Machine tools, metal forming types -----	E5	9	2	0.2	3.0	0.2	0.3	1.9	6.0	2.7	8.6	(D)	AA	(D)
3544	Special dies, tools, jigs, and fixtures -----	E1	268	58	3.7	52.4	3.1	6.3	38.7	84.6	34.0	118.5	5.4	3.7	64.3
3545	Machine tool accessories ---	-	64	25	5.8	77.5	4.3	8.7	53.1	157.4	68.2	224.6	5.6	6.1	108.5
3546	Power driven hand tools ---	-	5	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3547	Rolling mill machinery -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3549	Metalworking machinery, n.e.c. -----	-	20	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
355	Special industry machinery ---	-	214	79	15.5	221.5	8.9	18.2	110.2	449.2	304.7	743.5	19.2	17.1	302.8
3551	Food products machinery ---	-	13	5	1.1	15.5	0.6	1.3	7.9	33.7	23.1	55.9	0.7	EE	(D)
3552	Textile machinery -----	-	55	18	3.2	38.4	2.3	4.6	25.5	66.8	54.5	121.6	1.8	4.8	68.1
3553	Woodworking machinery -----	E3	12	2	0.2	2.0	0.1	0.3	1.2	4.2	3.6	7.9	0.3	(NA)	(NA)
3554	Paper industries machinery ---	-	26	14	1.9	26.4	1.0	2.0	12.6	46.7	37.0	80.6	1.5	1.9	31.0
3555	Printing trades machinery ---	-	35	15	3.7	54.9	1.8	4.0	20.4	118.1	89.2	204.6	8.2	2.3	49.7
3559	Special industry machinery, n.e.c. -----	-	73	25	5.4	84.3	2.9	6.0	42.6	179.6	97.2	272.9	6.7	6.7	124.3
356	General industrial machinery ---	-	175	63	9.7	143.7	6.0	12.1	74.3	298.2	189.2	486.1	15.8	7.7	148.3
3561	Pumps and pumping equipment -----	-	15	9	1.1	16.6	0.6	1.3	9.3	37.9	25.6	63.8	3.2	1.1	17.4
3563	Air and gas compressors ---	-	4	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3564	Blowers and fans -----	-	15	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.8	14.1
3565	Industrial patterns -----	E3	34	2	0.2	3.0	0.2	0.4	2.4	4.8	1.2	5.9	0.2	0.2	4.0
3566	Speed changers, drives, and gears -----	E1	23	10	1.3	17.3	0.8	1.6	9.4	43.3	25.5	68.0	2.6	EE	(D)
3567	Industrial furnaces and ovens -----	-	17	6	0.6	8.0	0.4	0.7	3.8	16.3	11.5	26.1	0.9	0.2	2.7
3568	Power transmission equipment, n.e.c. -----	-	12	10	1.8	24.3	1.3	2.4	15.9	58.4	27.9	85.4	2.0	EE	(D)
3569	General industrial machinery, n.e.c. -----	-	53	21	3.3	49.0	1.7	3.5	19.4	88.9	55.5	138.4	6.1	1.4	35.0
357	Office and computing machines -----	-	91	52	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	18.2	675.2
3573	Electronic computing equipment -----	-	73	43	22.0	295.7	11.8	24.8	129.4	1 280.2	480.6	1 675.8	85.5	15.2	581.6
3574	Calculating and accounting machines -----	-	6	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3579	Office machines, n.e.c. and typewriters -----	-	10	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
358	Refrigeration and service machinery -----	-	60	24	2.7	35.4	1.7	3.0	18.2	63.1	52.2	117.2	1.7	2.7	55.2
3582	Commercial laundry equipment -----	-	5	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3585	Refrigeration and heating equipment -----	-	19	10	0.8	10.2	0.6	1.0	5.3	18.5	18.1	35.1	0.5	0.9	20.7
3586	Measuring and dispensing pumps -----	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3589	Service industry machinery, n.e.c. -----	-	31	9	1.2	16.2	0.7	1.2	8.7	35.2	23.7	58.6	1.0	1.0	20.6
359	Miscellaneous machinery, except electrical -----	E2	617	91	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	5.2	80.3
3599	Machinery, except electrical, n.e.c. -----	E2	615	90	6.5	87.4	5.1	10.5	59.8	143.2	62.6	203.0	10.7	FF	(D)
36	Electric and electronic equipment -	-	684	326	77.9	1 004.6	52.6	103.0	550.5	2 156.0	1 270.0	3 403.7	106.2	78.8	1 333.3
361	Electric distributing equipment -	-	23	10	5.7	72.7	4.1	7.3	43.6	143.9	89.5	239.7	9.7	7.3	107.0
3612	Transformers -----	-	8	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3613	Switchgear and switchboard apparatus -----	-	17	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
362	Electrical industrial apparatus --	-	58	20	3.7	36.2	2.5	4.7	21.1	81.6	55.4	132.1	3.1	9.2	128.9
3621	Motors and generators -----	E1	7	3	0.2	2.4	0.2	0.4	1.4	4.6	2.4	6.8	(D)	0.3	2.7
3622	Industrial controls -----	-	34	11	2.1	22.0	1.3	2.2	11.9	50.0	26.9	73.5	1.5	FF	(D)
3629	Electrical industrial apparatus, n.e.c. -----	-	13	6	1.3	11.2	1.1	2.1	7.5	26.4	25.5	50.6	(D)	3.1	22.9
363	Household appliances -----	-	19	8	1.1	10.7	0.9	1.4	6.6	30.4	10.4	44.5	(D)	1.9	50.1
3634	Electric housewares and fans -----	E1	9	3	0.6	3.6	0.5	0.8	2.1	6.7	4.5	11.2	(D)	0.9	13.3
3636	Sewing machines -----	-	7	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977												1972	
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
36	Electric and electronic equipment —Con.														
364	Electric lighting and wiring equipment -----	-	73	39	7.0	78.2	5.6	10.8	54.0	204.9	140.8	340.1	10.5	8.2	151.4
3641	Electric lamps -----	-	10	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3643	Current-carrying wiring devices -----	-	19	12	1.9	21.3	1.5	3.2	14.1	50.4	30.6	79.8	1.8	2.9	50.0
3644	Noncurrent-carrying wiring devices -----	-	5	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3645	Residential lighting fixtures --	E3	16	5	0.7	7.0	0.5	0.9	4.5	16.3	15.9	31.7	(D)	0.7	9.8
3646	Commercial lighting fixtures --	-	8	6	0.4	5.3	0.3	0.6	2.9	13.6	13.6	26.0	0.2	CC	(D)
3648	Lighting equipment, n.e.c. ---	-	15	9	1.1	11.3	0.8	1.5	6.7	22.9	24.3	46.2	0.3	1.1	18.6
365	Radio and TV receiving equipment -----	E2	39	14	2.9	29.5	1.9	4.6	14.1	88.1	81.6	169.5	(D)	2.5	41.0
3651	Radio and TV receiving sets -	E2	33	14	2.8	29.3	1.9	4.5	14.0	87.7	81.3	168.9	(D)	2.4	40.7
366	Communication equipment ----	-	134	70	30.9	466.6	19.4	37.9	246.0	975.8	514.0	1 484.3	43.3	28.7	527.2
3661	Telephone and telegraph apparatus -----	-	6	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3662	Radio and TV communication equipment --	-	128	65	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
367	Electronic components and accessories -----	E1	279	135	21.1	240.7	14.7	29.2	131.2	461.0	247.4	703.1	29.1	17.8	264.6
3671	Electron tubes, all types ----	-	7	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3674	Semiconductors and related devices -----	E1	46	23	4.7	52.2	3.2	6.2	26.3	112.6	50.7	164.5	10.8	FF	(D)
3675	Electronic capacitors -----	-	4	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3676	Electronic resistors -----	-	7	7	0.7	7.7	0.4	0.9	3.2	14.5	3.7	18.1	0.4	CC	(D)
3677	Electronic coils and transformers -----	E2	11	10	0.7	5.9	0.6	1.1	4.1	8.7	5.6	14.4	0.2	CC	(D)
3678	Electronic connectors -----	-	10	7	0.6	7.0	0.5	0.9	4.2	15.1	7.0	20.7	0.2	0.2	4.1
3679	Electronic components, n.e.c. -----	E1	194	81	9.5	105.2	6.5	13.3	55.5	216.0	138.1	346.9	14.4	7.2	108.0
369	Miscellaneous electrical equipment and supplies -----	-	59	30	5.5	70.0	3.5	7.1	33.8	170.3	131.1	290.4	6.6	3.4	63.2
3693	X-ray, electromedical, and electrotherapeutic apparatus -	-	17	11	2.9	43.2	1.5	3.1	16.1	111.8	75.6	178.5	4.6	CC	(D)
3694	Engine electrical equipment -	-	15	11	2.0	21.8	1.6	3.2	14.6	49.4	41.8	90.1	(D)	EE	(D)
3699	Electrical equipment and supplies, n.e.c. -----	E1	23	6	0.5	4.2	0.4	0.7	2.6	7.4	11.3	17.8	0.2	0.5	8.5
37	Transportation equipment -----	-	189	58	22.2	364.3	15.4	30.6	206.8	866.3	949.0	1 805.4	34.7	23.1	477.1
371	Motor vehicles and equipment -	-	67	23	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	5.4	188.6
3711	Motor vehicles and car bodies -----	-	10	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3713	Truck and bus bodies -----	-	19	10	0.4	6.2	0.4	0.7	4.1	10.6	13.5	23.9	0.1	(NA)	(NA)
3714	Motor vehicle parts and accessories -----	-	36	11	1.5	18.8	1.2	2.3	13.2	35.5	34.8	69.5	1.9	EE	(D)
372	Aircraft and parts -----	-	23	9	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3724	Aircraft engines and engine parts -----	-	11	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
373	Ship and boat building and repairing -----	-	78	17	6.2	81.9	4.9	9.7	54.4	173.5	93.4	266.1	(D)	7.9	89.1
3731	Ship building and repairing --	-	20	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3732	Boat building and repairing --	E1	58	10	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3751	Motorcycles, bicycles, and parts -----	-	5	3	1.0	7.8	0.9	1.3	6.7	10.6	17.8	30.5	(D)	EE	(D)
376	Guided missiles, space vehicles, parts -----	-	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3761	Guided missiles and space vehicles -----	-	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
379	Miscellaneous transportation equipment -----	-	13	5	0.6	6.7	0.3	0.8	3.4	14.5	25.6	39.5	(D)	(NA)	(NA)
3792	Travel trailers and campers --	-	5	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3799	Transportation equipment, n.e.c. -----	-	8	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
38	Instruments and related products -----	-	435	173	47.5	678.8	30.2	60.3	359.8	1 553.5	939.3	2 445.3	113.0	37.0	877.5
3811	Engineering and scientific instruments -----	-	73	28	2.9	40.5	1.9	3.2	22.5	87.9	36.5	122.9	3.7	2.0	44.9
382	Measuring and controlling devices -----	-	124	44	19.3	273.4	11.8	23.1	135.2	501.5	330.1	817.2	40.7	12.6	201.1
3822	Environmental controls -----	-	7	3	5.6	72.2	5.1	9.7	61.3	118.0	118.1	235.7	22.1	CC	(D)
3823	Process control instruments -	-	28	11	7.1	101.5	3.4	7.1	37.2	181.8	121.4	297.0	(D)	6.2	76.3
3824	Fluid meters and counting devices -----	E4	6	2	0.2	1.9	0.1	0.2	1.0	4.1	2.4	6.5	0.2	BB	(D)
3825	Instruments to measure electricity -----	-	42	15	4.2	64.9	2.0	3.7	21.5	131.1	59.6	185.4	6.7	3.4	67.4
3829	Measuring and controlling devices, n.e.c. -----	-	41	13	2.2	32.9	1.3	2.5	14.2	66.6	28.7	92.5	(D)	EE	(D)
3832	Optical instruments and lenses -----	-	62	31	4.9	66.5	2.2	4.4	26.4	136.7	69.6	205.4	12.2	EE	(D)

See footnotes at end of table.

**Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.**

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix D.

SIC code	Industry	1977											1972		
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
38	Instruments and related products— Con.														
384	Medical instruments and supplies -----	E1	98	41	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.5	62.5
3841	Surgical and medical instruments -----	E1	48	22	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3842	Surgical appliances and supplies -----	E1	39	16	1.5	15.7	1.0	1.9	8.0	25.6	16.9	42.0	1.4	CC	(D)
3843	Dental equipment and supplies -----	-	11	3	0.2	2.9	0.1	0.3	1.3	4.1	1.6	5.5	(D)	(NA)	(NA)
3851	Ophthalmic goods -----	-	33	14	6.7	79.9	4.7	9.2	45.8	141.5	77.6	214.8	9.8	6.9	133.6
3861	Photographic equipment and supplies -----	-	31	11	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3873	Watches, clocks, and watchcases -----	E1	14	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
39	Miscellaneous manufacturing industries -----	-	600	171	27.2	288.1	19.7	37.0	165.0	671.3	459.4	1 118.6	25.4	27.9	452.8
391	Jewelry, silverware, and plated ware -----	-	127	49	7.6	84.8	5.1	9.9	43.8	171.7	152.2	319.6	6.3	8.2	122.0
3911	Jewelry, precious metal -----	-	76	25	4.1	48.3	2.5	5.1	21.4	90.6	72.6	162.4	2.4	4.2	58.7
3914	Silverware and plated ware -----	-	27	13	2.5	27.1	1.7	3.3	15.7	62.6	44.5	104.7	2.5	2.9	52.2
3915	Jewelers' materials and lapidary work -----	-	24	11	1.0	9.3	0.9	1.6	6.7	18.5	35.1	52.6	1.4	1.1	11.0
3931	Musical instruments -----	E1	32	5	0.5	5.6	0.3	0.7	3.9	13.2	8.3	21.5	0.4	AA	(D)
394	Toys and sporting goods -----	-	101	27	7.3	77.4	5.4	10.1	47.0	217.0	137.1	350.3	10.0	8.3	159.7
3942	Dolls -----	-	6	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	3.8
3944	Games, toys, and children's vehicles -----	-	42	15	3.8	39.9	2.7	5.0	20.7	124.2	74.2	195.8	6.4	4.2	91.9
3949	Sporting and athletic goods, n.e.c. -----	-	53	10	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.6	64.1
395	Pens, pencils, office and art supplies -----	-	42	8	0.6	6.1	0.4	0.8	3.2	11.7	14.3	26.1	0.3	CC	(D)
3953	Marking devices -----	E2	30	3	0.3	3.0	0.2	0.3	1.3	4.8	2.3	7.2	0.1	0.4	4.8
396	Costume jewelry and notions --	-	64	22	3.4	34.8	2.8	4.8	19.8	79.3	48.3	127.6	1.5	3.3	48.0
3961	Costume jewelry -----	-	49	17	3.1	31.7	2.5	4.3	17.5	70.4	43.5	114.0	(D)	2.9	41.6
3964	Needles, pins, and fasteners -----	E1	7	2	0.2	2.1	0.2	0.3	1.5	6.4	3.3	9.9	0.1	0.3	6.0
399	Miscellaneous manufactures ---	-	234	60	7.9	79.3	5.6	10.6	47.5	178.4	99.2	273.5	6.9	7.4	111.6
3991	Brooms and brushes -----	-	20	12	1.8	18.4	1.5	2.9	12.8	39.8	28.1	66.2	2.4	2.3	39.6
3993	Signs and advertising displays -----	E1	90	16	1.4	15.3	1.0	1.9	9.3	29.2	17.4	46.3	0.7	1.4	20.7
3995	Burial caskets -----	E1	9	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3999	Manufacturing industries, n.e.c. -----	-	114	26	4.3	42.1	2.8	5.3	23.3	101.6	46.9	146.5	3.5	2.9	38.2
-	Administrative and auxiliary -----	-	259	138	33.7	650.3	-	-	-	-	-	-	-	(NA)	(NA)

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Statistics for some industry groups and industries are withheld to avoid disclosing figures for individual companies. However, for such industry groups and industries with 150 employees or more, number of establishments is shown and employment size range is indicated by one of the following symbols: AA—150 to 249 employees; BB—250 to 499 employees; CC—500 to 999 employees; EE—1,000 to 2,499 employees; FF—2,500 employees or more. Statistics for industry groups shown include data for all component industries, regardless of whether data are shown for individual industries in the group.

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Boston-Lawrence-Lowell, Mass.-N.H., SCSA -----	-	6 478	2 254	341.6	4 609.0	211.7	410.7	2 252.0	9 387.0	8 028.7	17 260.2	522.0	347.2	6 161.5
20	Food and kindred products --	-	392	153	17.4	211.2	11.8	23.2	121.9	543.9	1 232.3	1 775.2	28.2	(NA)	(NA)
2085	Distilled liquor, except brandy -----	-	4	4	0.5	6.3	0.3	0.7	3.3	19.1	43.4	63.2	0.4	(NA)	(NA)
23	Apparel and other textile products -----	-	477	229	18.3	153.8	14.6	25.9	100.3	344.1	470.2	805.6	(D)	20.4	243.3
2386	Leather and sheep lined clothing -----	-	8	6	0.7	5.8	0.6	1.1	4.2	10.7	10.8	19.9	(D)	(NA)	(NA)
24	Lumber and wood products --	E1	175	39	3.5	35.1	2.7	4.9	20.5	68.2	80.8	146.8	(D)	(NA)	(NA)
2511	Wood household furniture -----	E3	42	4	0.4	2.8	0.3	0.6	2.2	6.1	7.7	13.4	(D)	(NA)	(NA)
26	Paper and allied products ---	-	156	86	12.1	144.0	9.1	18.2	90.7	299.0	356.2	649.1	(D)	8.8	146.5
2654	Sanitary food containers -----	-	8	6	0.9	9.2	0.8	1.4	6.6	24.7	24.9	49.2	0.8	(NA)	(NA)
27	Printing and publishing -----	-	1 004	225	28.2	376.7	15.4	28.4	182.2	845.8	394.8	1 234.8	(D)	28.0	513.1
28	Chemicals and allied products -----	-	242	71	8.3	122.4	5.1	10.2	61.9	439.7	404.6	839.1	(D)	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	-	247	113	13.6	146.9	10.1	19.7	93.3	322.9	340.0	665.5	28.3	15.4	304.7
31	Leather and leather products -----	E1	276	125	15.0	127.2	12.8	22.6	91.7	235.5	319.0	548.8	(D)	20.0	205.2
34	Fabricated metal products ---	-	648	220	19.5	249.8	14.8	28.5	164.2	590.0	397.0	990.1	30.5	20.7	434.5
344	Fabricated structural metal products -----	E1	234	71	4.6	60.1	3.5	6.7	37.9	110.7	110.6	224.0	(D)	(NA)	(NA)
3444	Sheet metal work -----	E1	84	26	1.3	17.3	1.0	2.1	11.2	29.6	26.4	56.5	(D)	(NA)	(NA)
346	Metal forgings and stampings -----	E1	63	26	1.8	22.1	1.5	3.0	14.9	41.2	30.8	71.9	1.3	(NA)	(NA)
35	Machinery, except electrical -	-	875	224	39.9	589.9	22.1	44.3	278.4	1 285.8	746.8	2 006.3	73.8	(NA)	(NA)
355	Special industry machinery -----	-	116	41	8.6	127.0	4.3	9.1	53.4	266.3	165.9	427.4	(D)	(NA)	(NA)
3568	Power transmission equipment, n.e.c. -----	-	6	4	0.4	5.6	0.3	0.5	3.1	12.5	6.4	18.5	(D)	(NA)	(NA)
367	Electronic components and accessories -----	E1	224	107	16.2	190.5	11.4	22.3	104.5	381.9	189.3	569.3	(D)	(NA)	(NA)
3694	Engine electrical equipment -----	-	8	6	0.9	9.7	0.7	1.4	5.7	24.6	14.6	38.2	(D)	(NA)	(NA)
3931	Musical instruments -----	E1	24	5	0.4	5.1	0.3	0.6	3.5	12.3	7.4	19.7	(D)	(NA)	(NA)
	Boston SMSA -----	-	5 217	1 749	267.7	3 739.4	159.4	311.2	1 748.7	7 469.1	6 358.5	13 717.5	412.8	265.5	4 918.9
20	Food and kindred products --	-	311	118	14.5	179.5	10.0	19.7	105.8	463.1	1 049.8	1 511.8	21.3	19.3	394.2
201	Meat products -----	E2	42	16	2.2	32.2	1.7	3.2	22.4	61.7	202.9	266.1	2.5	3.1	64.1
2013	Sausages and other prepared meats -----	E1	30	14	2.0	28.3	1.5	2.9	19.4	47.8	190.4	239.8	(D)	2.9	61.5
202	Dairy products -----	-	39	15	2.1	30.3	1.2	2.5	16.7	80.2	248.0	325.6	1.1	3.1	69.3
2026	Fluid milk -----	-	17	8	1.4	18.4	0.7	1.5	9.2	45.8	177.7	220.9	0.5	1.6	43.9
203	Preserved fruits and vegetables -----	E1	24	8	0.5	4.4	0.4	0.8	3.2	18.6	25.8	44.4	0.9	0.6	13.2
205	Bakery products -----	-	61	17	2.4	32.3	1.7	3.0	18.8	79.6	75.7	155.1	4.6	3.4	63.4
2065	Confectionery products --	-	31	15	2.6	23.2	2.2	4.3	17.0	75.1	77.2	152.0	2.3	(NA)	(NA)
208	Beverages -----	-	36	18	2.2	27.6	1.1	2.1	10.4	66.5	149.9	216.6	6.8	2.5	63.0
2085	Distilled liquor, except brandy -----	-	4	4	0.5	6.3	0.3	0.7	3.3	19.1	43.4	63.2	0.4	(NA)	(NA)
209	Miscellaneous foods and kindred products -----	E1	65	23	1.7	17.5	1.2	2.6	9.9	50.6	160.8	210.9	2.4	2.0	45.0
22	Textile mill products -----	E1	70	32	3.6	35.6	2.9	6.1	26.0	68.5	79.7	147.4	8.4	4.2	58.6
225	Knitting mills -----	-	13	10	0.9	7.6	0.7	1.5	5.4	12.3	13.0	25.4	0.7	0.5	5.7
229	Miscellaneous textile goods -----	E2	33	13	1.5	16.6	1.2	2.4	12.0	30.1	45.9	75.0	6.2	2.4	36.2
2295	Coated fabrics, not rubberized -----	E2	6	5	0.3	4.0	0.3	0.6	2.8	4.1	12.1	15.8	0.6	1.0	16.2
23	Apparel and other textile products -----	E1	387	175	13.3	110.7	10.6	18.6	71.2	261.8	358.8	613.6	(D)	14.9	186.3
2311	Men's and boys' suits and coats -----	-	32	14	1.2	10.7	1.0	1.9	7.4	26.4	39.0	62.7	(D)	1.7	18.2
232	Men's and boys' furnishings -----	E3	27	10	0.6	4.3	0.5	0.8	2.8	8.9	10.8	19.7	(D)	0.8	15.3
233	Women's and misses' outerwear -----	E1	164	87	6.6	54.8	5.0	8.6	33.3	147.7	209.5	355.0	(D)	6.5	90.9
2331	Women's and misses' blouses and waists -----	E1	12	5	0.3	2.2	0.3	0.4	1.6	3.3	2.5	5.8	(D)	0.4	3.4
2335	Women's and misses' dresses -----	E3	70	28	2.1	14.6	1.9	3.4	11.6	24.2	15.0	40.1	(D)	2.6	40.4
2337	Women's and misses' suits and coats -----	-	53	34	2.8	26.6	1.9	3.4	13.6	97.5	148.1	242.0	(D)	2.6	38.9
2339	Women's and misses' outerwear, n.e.c. -----	E1	29	20	1.4	11.4	0.9	1.4	6.4	22.7	44.0	67.2	(D)	0.9	8.2
234	Women's and children's undergarments -----	-	8	3	0.5	2.8	0.4	0.7	2.1	5.1	4.9	10.0	(D)	0.5	4.2
2352	Hats and caps, except millinery -----	E1	6	2	0.4	2.4	0.3	0.7	2.0	2.9	4.5	7.3	(D)	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code		SMSA and industry	1977											1972		
E¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials² (million dollars)	Value of ship- ments² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)			
	Total (no.)		With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)							Wages (million dollars)		
Boston SMSA—Con.																
23		Apparel and other textile products—Con.														
238		Miscellaneous apparel and accessories -----	-	25	16	1.3	10.9	1.1	1.8	7.8	20.8	18.7	37.6	(D)	1.4	18.0
2385		Waterproof outer garments -----	-	7	5	0.3	1.8	0.2	0.3	1.3	4.0	1.4	5.2	(D)	0.5	7.0
2386		Leather and sheep lined clothing -----	-	8	6	0.7	5.8	0.6	1.1	4.2	10.7	10.8	19.9	(D)	(NA)	(NA)
239		Miscellaneous fabricated textile products -----	E1	114	39	2.6	22.4	2.1	3.8	14.2	44.8	63.5	108.2	(D)	3.3	30.4
2391		Curtains and draperies --	E1	21	11	0.7	5.2	0.7	1.1	3.3	9.1	14.3	23.6	(D)	1.0	7.3
2392		House furnishings, n.e.c. -----	E1	25	9	0.6	4.5	0.4	0.7	2.5	7.3	13.7	21.2	(D)	0.9	7.4
2396		Automotive and apparel trimmings -----	-	12	6	0.4	5.0	0.3	0.6	3.6	14.4	18.3	32.6	(D)	(NA)	(NA)
2399		Fabricated textile products, n.e.c. -----	E1	18	4	0.3	2.3	0.3	0.5	1.5	3.6	6.8	10.3	(D)	0.3	3.2
24		Lumber and wood products --	E1	122	24	2.5	24.7	1.8	3.4	14.3	49.5	61.6	109.5	(D)	2.0	32.7
243		Millwork, plywood, and structural members -----	E2	58	9	0.7	7.9	0.6	1.1	5.2	16.1	18.8	35.1	(D)	0.7	10.9
2431		Millwork -----	E2	30	8	0.5	5.7	0.4	0.8	3.7	12.5	16.1	28.8	(D)	0.5	6.8
245		Wood buildings and mobile homes -----	-	4	3	0.4	4.4	0.1	0.2	1.1	6.9	17.6	23.6	(D)	0.4	8.4
2452		Prefabricated wood buildings -----	-	4	3	0.4	4.4	0.1	0.2	1.1	6.9	17.6	23.6	(D)	0.4	8.4
249		Miscellaneous wood products -----	-	38	8	1.2	10.7	1.0	1.7	6.7	23.4	22.4	44.9	(D)	0.7	10.7
25		Furniture and fixtures -----	E2	125	26	1.8	19.1	1.5	2.7	13.0	36.5	36.2	72.4	(D)	2.5	34.8
251		Household furniture -----	E2	72	13	1.0	8.9	0.8	1.5	6.0	19.1	23.6	42.5	(D)	1.6	22.6
2515		Mattresses and bedsprings -----	E1	17	5	0.4	3.9	0.3	0.6	2.5	9.2	11.5	20.6	(D)	0.6	9.7
254		Partitions and fixtures -----	E1	27	7	0.4	5.0	0.3	0.6	3.2	7.9	6.0	13.8	(D)	0.5	6.3
259		Miscellaneous furniture and fixtures -----	E1	15	4	0.3	4.0	0.3	0.5	3.0	6.8	3.9	10.7	(D)	0.3	5.0
26		Paper and allied products ---	-	112	55	9.6	114.0	7.2	14.2	70.5	231.8	277.1	504.1	11.5	6.7	110.0
2651		Folding paperboard boxes -----	-	11	7	0.8	9.4	0.6	1.2	6.6	17.4	24.7	43.0	0.9	0.9	14.7
2652		Setup paperboard boxes -----	E2	8	5	0.3	2.6	0.3	0.5	1.9	4.8	3.1	8.1	(D)	(NA)	(NA)
2653		Corrugated and solid fiber boxes -----	-	20	11	1.2	15.5	0.8	1.7	9.5	24.9	48.7	73.4	0.8	1.5	22.4
2654		Sanitary food containers -----	-	8	6	0.9	9.2	0.8	1.4	6.6	24.7	24.9	49.2	0.8	0.7	11.2
27		Printing and publishing -----	-	900	201	24.3	331.7	12.9	23.8	151.6	759.0	356.2	1 109.8	30.9	24.2	453.4
2711		Newspapers -----	-	102	25	6.9	103.9	2.7	4.7	40.6	207.3	65.2	272.4	7.4	7.7	144.4
2721		Periodicals -----	-	87	14	1.2	18.1	0.3	0.6	2.6	55.0	31.8	86.8	0.7	(NA)	(NA)
273		Books -----	-	80	30	5.2	70.8	1.7	3.5	20.9	243.8	115.0	355.9	7.5	4.2	110.2
2731		Book publishing -----	-	54	17	3.5	49.3	0.4	0.7	4.1	210.2	95.9	303.6	5.5	3.0	91.0
2732		Book printing -----	-	26	13	1.7	21.5	1.4	2.8	16.7	33.6	19.2	52.2	2.0	1.2	19.2
2741		Miscellaneous publishing -----	E1	44	7	0.4	5.9	0.2	0.3	1.7	16.5	6.3	22.5	0.2	0.7	14.1
275		Commercial printing -----	E1	466	82	7.2	91.1	5.7	10.4	61.0	166.1	106.1	271.1	11.4	6.6	103.9
2751		Commercial printing, letterpress -----	E3	239	25	2.2	24.8	1.7	3.1	16.8	43.6	32.6	76.0	2.5	(NA)	(NA)
2752		Commercial printing, lithographic -----	-	209	54	4.8	63.8	3.8	7.1	42.2	117.5	71.2	187.9	8.7	3.5	52.5
278		Blankbooks and bookbinding -----	E1	36	18	1.1	11.2	0.9	1.7	8.1	19.1	6.6	25.7	0.9	1.2	14.4
2782		Blankbooks and looseleaf binders -----	-	9	5	0.4	4.5	0.4	0.7	3.2	8.4	3.6	12.0	0.5	0.3	5.1
2789		Bookbinding and related work -----	E1	27	13	0.6	6.6	0.6	1.0	4.9	10.7	3.0	13.7	0.4	0.9	9.3
279		Printing trade services -----	E1	74	16	0.8	12.1	0.6	1.1	8.6	18.5	3.9	22.1	2.3	1.2	19.6
2791		Typesetting -----	E2	55	10	0.6	8.5	0.4	0.8	6.0	12.8	2.1	14.7	(D)	0.9	14.7
28		Chemicals and allied products -----	-	207	64	7.1	104.9	4.2	8.6	52.1	316.9	339.6	653.5	27.7	6.9	198.5
282		Plastics materials and synthetics -----	-	9	4	0.6	7.6	0.4	0.7	3.7	19.7	30.9	50.5	0.7	0.3	8.0
283		Drugs -----	E7	15	6	0.4	4.4	0.2	0.4	2.0	14.1	6.2	20.2	0.4	(NA)	(NA)
2842		Polishes and sanitation goods -----	E2	29	10	0.6	7.3	0.3	0.7	2.9	20.2	28.5	48.5	0.3	0.7	15.1
2851		Paints and allied products -----	-	26	9	0.6	9.2	0.4	0.7	4.2	22.8	26.2	49.0	1.8	0.8	23.2
289		Miscellaneous chemical products -----	-	64	18	2.2	34.9	1.4	2.7	17.3	91.7	109.0	200.2	6.1	2.3	57.7
2891		Adhesives and sealants -	E1	25	10	0.8	11.6	0.5	1.0	5.1	29.0	36.7	65.8	(D)	1.1	24.6
2899		Chemical preparations, n.e.c. -----	-	27	7	1.3	21.6	0.8	1.6	11.5	59.3	67.5	126.2	(D)	1.1	31.1
29		Petroleum and coal products -----	-	28	8	0.7	10.3	0.5	1.2	6.9	39.7	71.7	111.8	3.8	0.8	19.5
295		Paving and roofing materials -----	-	20	7	0.7	9.0	0.5	1.2	6.3	30.3	58.8	89.8	3.5	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Boston SMSA—Con.														
30	Rubber and miscellaneous plastics products -----	-	173	77	10.2	113.3	7.5	14.3	71.2	248.3	262.5	511.3	22.4	11.3	239.9
3079	Miscellaneous plastics products -----	-	136	59	6.9	76.8	5.1	9.7	48.6	169.1	191.0	360.1	18.8	4.4	77.9
31	Leather and leather products -----	E1	180	74	7.8	71.0	6.5	11.5	49.6	123.1	194.8	312.8	4.8	10.3	114.4
3111	Leather tanning and finishing -----	E1	83	30	2.3	25.6	2.0	3.6	18.7	49.2	101.5	149.3	1.9	3.1	41.5
3131	Boot and shoe cut stock and findings -----	E1	29	14	1.0	8.7	0.9	1.5	5.9	17.4	26.0	43.3	0.4	0.9	9.3
314	Footwear, except rubber --	-	33	20	3.6	30.8	3.0	5.2	20.8	45.1	57.9	99.5	2.4	5.7	57.6
3142	House slippers -----	-	4	3	0.4	3.0	0.4	0.6	2.0	5.1	4.3	9.4	(D)	(NA)	(NA)
3143	Men's footwear, except athletic -----	-	4	3	0.8	7.2	0.7	1.3	5.7	17.3	12.9	29.3	(D)	1.3	15.2
3144	Women's footwear, except athletic -----	E2	13	5	1.0	6.1	0.9	1.5	4.8	10.5	8.2	18.7	(D)	1.9	19.6
3149	Footwear, except rubber, n.e.c. -----	-	12	9	1.4	14.5	1.0	1.8	8.4	12.3	32.5	42.1	1.2	(NA)	(NA)
317	Handbags and other personal leather goods --	E3	16	7	0.5	3.8	0.5	0.8	2.5	6.1	5.3	11.3	0.1	0.4	3.6
327	Concrete, gypsum, and plaster products -----	E1	53	15	0.8	10.8	0.6	1.3	7.3	25.6	28.6	54.5	1.8	1.1	27.1
3273	Ready-mixed concrete --	E1	10	6	0.3	3.9	0.2	0.4	2.7	8.6	10.7	19.3	0.8	0.4	11.3
329	Miscellaneous nonmetallic mineral products -----	-	28	10	1.1	14.1	0.8	1.6	7.5	46.4	31.0	74.7	(D)	1.2	22.5
3291	Abrasive products -----	E1	9	4	0.4	4.3	0.3	0.5	2.1	5.5	7.5	13.4	(D)	0.5	8.0
33	Primary metal industries ----	-	75	31	2.1	28.6	1.6	3.2	18.4	62.8	74.6	136.6	3.3	2.0	33.9
335	Nonferrous rolling and drawing -----	-	9	4	0.4	5.1	0.3	0.5	2.0	8.4	8.8	17.0	0.1	(NA)	(NA)
336	Nonferrous foundries -----	-	22	9	0.4	6.0	0.4	0.8	4.8	10.7	8.1	18.6	0.2	0.5	8.0
34	Fabricated metal products ---	-	539	176	16.3	213.0	12.3	23.6	138.6	513.4	318.1	833.5	24.3	17.6	374.3
342	Cutlery, hand tools, and hardware -----	-	34	13	3.3	43.1	2.7	4.7	32.6	201.1	61.3	267.9	(D)	2.7	129.3
343	Plumbing and heating, except electric -----	-	15	4	0.4	4.2	0.3	0.5	2.6	10.2	8.5	18.7	0.5	(NA)	(NA)
344	Fabricated structural metal products -----	E1	187	54	3.3	44.9	2.5	4.9	28.1	79.9	80.9	162.2	3.1	4.0	70.8
3441	Fabricated structural metal -----	E2	39	9	0.7	11.2	0.5	1.1	6.9	18.5	23.0	41.6	0.8	1.3	24.4
3442	Metal doors, sash, and trim -----	E2	29	12	0.7	7.2	0.5	1.0	4.5	14.2	20.3	34.5	(D)	0.7	10.9
3443	Fabricated plate work (boiler shops) -----	E1	21	9	0.6	9.0	0.4	0.8	5.3	17.9	11.1	29.0	0.7	0.3	6.8
3444	Sheet metal work -----	E1	66	19	1.0	12.9	0.7	1.5	8.4	21.5	17.6	39.5	0.9	1.3	22.5
345	Screw machine products, bolts, etc. -----	E1	53	20	2.1	28.3	1.6	3.2	19.4	47.9	37.9	84.5	1.7	1.8	27.6
3451	Screw machine products -----	E2	41	12	0.6	7.7	0.5	1.1	5.3	13.8	7.3	21.1	(D)	0.7	11.1
3452	Bolts, nuts, rivets, and washers -----	E1	12	8	1.5	20.6	1.1	2.2	14.1	34.2	30.6	63.4	(D)	1.0	16.5
346	Metal forgings and stampings -----	E1	50	22	1.6	19.8	1.3	2.6	13.2	37.3	28.1	65.3	1.1	3.1	49.9
347	Metal services, n.e.c. -----	E1	83	23	1.3	14.5	1.0	2.1	9.8	24.6	15.8	40.5	1.8	1.2	16.5
3471	Plating and polishing ---	-	42	13	0.7	8.6	0.6	1.2	5.8	14.2	9.7	24.0	1.4	0.8	10.1
3479	Metal coating and allied services -----	E1	41	10	0.5	6.0	0.4	0.9	4.0	10.4	6.1	16.5	0.4	0.5	6.4
349	Miscellaneous fabricated metal products -----	-	108	34	3.6	49.4	2.3	4.5	26.8	97.7	60.7	154.5	5.8	3.3	52.0
3494	Valves and pipe fittings -	-	23	12	2.3	34.2	1.4	2.7	17.7	70.7	35.7	102.8	4.3	1.8	30.1
3499	Fabricated metal products, n.e.c. -----	E2	57	12	0.7	8.6	0.5	1.0	5.3	15.2	12.7	27.4	0.8	0.7	12.7
35	Machinery, except electrical -	-	700	180	33.0	503.8	18.4	37.0	239.0	1 083.8	623.2	1 691.6	63.6	29.4	769.7
353	Construction and related machinery -----	E3	32	10	0.8	10.6	0.5	0.9	5.9	19.9	14.4	34.1	0.9	(NA)	(NA)
3535	Conveyors and conveying equipment --	E1	9	2	0.3	3.6	0.2	0.3	1.7	7.0	4.7	11.3	(D)	(NA)	(NA)
355	Special industry machinery -----	-	85	30	7.6	114.4	3.6	7.8	46.3	246.3	151.9	392.9	13.0	7.1	145.2
3559	Special industry machinery, n.e.c. -----	-	36	14	3.4	52.8	1.7	3.4	24.0	114.5	57.3	170.3	4.8	4.0	78.8
356	General industrial machinery -----	-	87	30	4.9	79.4	2.8	5.6	35.3	163.8	99.3	255.1	8.6	3.8	79.6
3561	Pumps and pumping equipment -----	-	9	4	0.5	7.8	0.3	0.5	4.5	17.2	11.1	28.2	0.5	0.5	8.8
3566	Speed changers, drives, and gears -----	-	10	5	0.9	13.4	0.6	1.1	6.7	36.1	22.6	58.0	2.3	1.0	22.9
3568	Power transmission equipment, n.e.c. -----	-	6	4	0.4	5.6	0.3	0.5	3.1	12.5	6.4	18.5	(D)	(NA)	(NA)
3569	General industrial machinery, n.e.c. -----	-	27	10	1.9	31.8	0.8	1.5	9.2	52.9	28.5	78.2	3.3	0.7	22.8
357	Office and computing machines -----	-	62	36	9.1	129.9	4.3	8.4	50.3	368.5	195.0	557.0	28.7	5.6	278.4
3573	Electronic computing equipment -----	-	52	31	8.5	122.9	4.1	8.0	47.1	345.6	178.0	517.2	27.8	(NA)	(NA)

See footnotes at end of table.

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SIC code		SMSA and industry	1977											1972		
			E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
				Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
		Boston SMSA—Con.														
35	Machinery, except electrical —Con.															
358	Refrigeration and service machinery	-	35	12	1.7	24.6	1.0	1.7	12.1	45.3	34.6	82.0	1.0	2.2	47.2	
3589	Service industry machinery, n.e.c.	-	18	7	1.1	14.8	0.6	1.1	7.9	33.3	22.0	54.5	0.9	(NA)	(NA)	
359	Miscellaneous machinery, except electrical	E2	286	41	3.3	44.0	2.5	5.1	28.9	71.6	32.1	102.8	5.3	2.9	44.6	
36	Electric and electronic equipment	-	417	198	40.6	520.9	27.6	54.9	293.8	1 133.8	633.5	1 750.6	60.3	36.8	662.7	
362	Electrical industrial apparatus	-	29	8	1.4	17.2	0.9	1.7	9.3	37.0	21.8	55.7	1.3	1.4	26.3	
364	Electric lighting and wiring equipment	-	47	23	5.0	57.6	4.0	7.7	40.4	157.1	102.4	255.6	9.6	5.2	95.2	
3643	Current-carrying wiring devices	-	13	7	1.3	14.5	1.0	2.0	9.7	37.1	23.6	60.0	(D)	1.3	20.5	
3648	Lighting equipment, n.e.c.	-	8	5	0.5	5.2	0.3	0.6	2.5	6.6	9.7	16.3	(D)	(NA)	(NA)	
365	Radio and TV receiving equipment	E2	27	11	2.3	25.0	1.6	3.9	11.1	78.9	73.7	152.5	2.8	1.6	31.5	
366	Communication equipment	-	90	47	12.7	187.8	8.4	16.7	113.3	360.0	161.2	518.9	21.9	10.7	198.0	
367	Electronic components and accessories	E1	161	76	12.7	154.2	8.6	17.0	82.6	304.3	145.2	449.9	17.7	12.8	201.3	
3677	Electronic coils and transformers	-	4	4	0.3	2.0	0.2	0.4	1.4	2.9	1.7	4.7	(Z)	(NA)	(NA)	
3678	Electronic connectors	-	5	4	0.5	5.8	0.3	0.7	3.2	13.0	5.6	17.2	0.1	(NA)	(NA)	
3679	Electronic components, n.e.c.	E1	113	48	5.7	68.0	3.7	7.6	33.5	139.2	78.0	213.0	9.7	4.7	74.9	
369	Miscellaneous electrical equipment and supplies ..	-	38	21	4.2	55.8	2.5	5.0	23.7	140.8	102.1	232.1	5.5	2.1	45.3	
3694	Engine electrical equipment	-	8	6	0.9	9.7	0.7	1.4	5.7	24.6	14.6	38.2	(D)	0.8	12.6	
37	Transportation equipment	-	80	29	16.5	297.0	10.8	22.1	155.7	719.0	827.0	1 545.1	30.2	18.1	382.8	
3713	Truck and bus bodies	-	8	6	0.3	4.3	0.2	0.4	2.8	8.4	7.2	15.3	0.1	(NA)	(NA)	
3714	Motor vehicle parts and accessories	-	20	6	0.7	9.3	0.5	1.1	6.1	19.2	13.4	31.8	1.0	(NA)	(NA)	
3732	Boat building and repairing	E1	18	3	0.5	5.5	0.4	0.8	3.7	9.3	8.0	17.0	0.4	(NA)	(NA)	
38	Instruments and related products	-	293	117	30.3	461.5	17.6	35.7	220.7	1 133.3	623.5	1 716.2	64.6	26.4	710.9	
3811	Engineering and scientific instruments ..	-	55	22	2.6	37.2	1.8	3.0	21.2	78.6	31.9	109.0	3.2	1.8	42.7	
382	Measuring and controlling devices	-	89	35	12.0	183.9	5.6	11.3	62.9	313.2	175.2	474.6	15.1	11.7	192.5	
3825	Instruments to measure electricity	-	30	13	4.0	63.2	1.9	3.5	20.9	127.6	57.4	180.0	6.5	3.4	66.2	
391	Jewelry, silverware, and plated ware	E1	25	3	0.3	3.3	0.2	0.4	1.4	10.0	11.2	19.7	0.8	0.3	8.8	
3931	Musical instruments	-	21	5	0.4	4.9	0.3	0.6	3.3	11.8	7.0	18.8	0.4	(NA)	(NA)	
394	Toys and sporting goods ..	-	40	9	1.2	14.0	0.8	1.5	6.9	39.3	33.1	71.2	(D)	1.3	28.7	
399	Miscellaneous manufactures	-	100	21	2.7	31.9	2.0	4.0	18.3	69.1	36.9	104.3	3.4	2.6	38.2	
3993	Signs and advertising displays	E1	45	9	0.8	8.9	0.6	1.1	5.3	17.8	9.3	27.0	0.3	0.7	11.6	
	Brockton SMSA	-	317	133	12.6	125.4	9.3	16.9	78.3	286.6	261.1	540.7	12.1	12.4	156.9	
20	Food and kindred products ..	E2	19	10	0.5	5.4	0.4	0.6	3.1	15.9	26.1	42.1	1.1	(NA)	(NA)	
23	Apparel and other textile products	-	35	22	1.8	15.2	1.4	2.3	10.4	26.5	43.1	69.5	(D)	1.1	13.8	
2337	Women's and misses' suits and coats	E2	7	5	0.3	3.1	0.3	0.3	2.6	4.6	5.4	10.4	(D)	(NA)	(NA)	
24	Lumber and wood products ..	-	13	4	0.4	3.8	0.3	0.5	2.2	5.8	5.4	11.0	0.2	0.5	6.9	
243	Millwork, plywood, and structural members	-	10	3	0.3	3.1	0.2	0.4	1.6	4.7	4.0	8.5	(D)	(NA)	(NA)	
26	Paper and allied products	-	7	5	0.3	3.4	0.2	0.4	2.1	5.6	4.9	10.2	0.1	0.4	5.5	
27	Printing and publishing	-	27	7	0.5	7.2	0.3	0.6	3.7	13.1	5.7	18.8	(D)	0.7	10.6	
30	Rubber and miscellaneous plastics products	E1	18	8	0.6	5.4	0.4	0.8	3.2	9.6	8.8	18.6	0.6	0.6	9.4	
31	Leather and leather products	E1	38	18	2.0	16.2	1.7	3.1	11.9	39.8	39.8	78.4	0.4	2.2	28.4	
33	Primary metal industries	-	10	7	0.5	6.6	0.5	0.9	5.4	13.6	7.4	21.1	(D)	(NA)	(NA)	
332	Iron and steel foundries	-	8	6	0.4	5.1	0.3	0.7	4.3	9.1	4.4	13.6	(D)	(NA)	(NA)	
34	Fabricated metal products	-	34	16	1.1	11.9	0.8	1.6	8.0	21.7	22.4	44.3	1.6	0.9	15.2	
344	Fabricated structural metal products	-	13	5	0.4	4.6	0.2	0.5	2.7	8.8	11.1	19.6	(D)	(NA)	(NA)	
35	Machinery, except electrical ..	E1	42	12	0.8	9.5	0.5	1.1	6.0	16.6	10.6	27.2	0.8	1.0	7.9	
367	Electronic components and accessories	-	8	6	0.9	7.6	0.8	1.4	5.2	13.2	10.8	23.6	0.4	(NA)	(NA)	

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Fall River, Mass.-R.I., SMSA --	-	310	166	22.3	205.4	17.8	32.7	138.0	400.4	341.8	738.6	13.8	25.5	338.6
20	Food and kindred products --	E2	37	7	0.6	6.2	0.5	0.9	4.4	22.2	28.8	50.8	1.3	0.9	18.2
22	Textile mill products-----	-	30	25	4.5	45.5	3.7	7.4	33.3	89.2	86.8	173.7	2.9	4.8	63.5
225	Knitting mills-----	E1	7	6	0.9	6.5	0.8	1.3	5.5	13.1	4.2	17.0	0.4	0.9	7.8
2253	Knit outerwear mills-----	-	4	3	0.7	4.7	0.7	1.1	4.2	10.3	2.1	12.1	(D)	(NA)	(NA)
226	Textile finishing, except wool-----	-	10	9	1.9	21.7	1.5	3.1	16.0	40.4	32.1	72.2	(D)	2.3	31.5
23	Apparel and other textile products-----	-	94	76	9.3	62.7	8.4	14.3	52.1	104.4	64.8	169.5	1.1	10.3	86.1
2311	Men's and boys' suits and coats-----	-	9	8	1.9	13.5	1.7	3.1	11.2	30.3	11.8	40.6	0.3	1.2	16.1
232	Men's and boys' furnishings-----	E2	8	6	1.4	9.5	1.3	2.5	8.3	12.6	5.1	17.8	0.1	1.3	8.9
2329	Men's and boys' clothing, n.e.c.-----	E4	4	3	0.5	2.9	0.4	0.7	2.2	4.3	3.9	8.2	(D)	(NA)	(NA)
233	Women's and misses' outerwear-----	E1	49	41	3.9	24.5	3.6	5.7	21.1	32.2	7.6	40.1	0.5	5.0	34.2
2331	Women's and misses' blouses and waists-----	-	5	5	0.5	3.1	0.5	0.7	2.7	3.8	0.3	4.1	(D)	(NA)	(NA)
2335	Women's and misses' dresses-----	E3	27	22	1.8	10.9	1.7	2.6	9.2	15.6	4.7	20.6	(D)	4.2	29.1
2337	Women's and misses' suits and coats-----	-	11	9	1.2	8.1	1.1	1.8	7.0	9.8	2.3	12.1	0.3	0.4	3.1
2339	Women's and misses' outerwear, n.e.c.-----	E1	6	5	0.4	2.4	0.4	0.6	2.1	3.0	0.4	3.4	(D)	(NA)	(NA)
239	Miscellaneous fabricated textile products-----	-	21	14	1.7	12.2	1.4	2.5	9.1	25.4	38.4	65.3	0.1	1.8	18.3
2391	Curtains and draperies --	-	13	9	1.3	9.2	1.0	1.9	7.0	18.3	34.5	54.3	0.1	1.3	15.4
27	Printing and publishing -----	-	19	4	0.6	5.3	0.4	0.6	2.7	11.6	5.7	17.3	0.3	0.6	9.8
30	Rubber and miscellaneous plastics products-----	E2	10	5	0.5	6.8	0.4	0.9	4.6	10.4	11.8	22.0	1.4	0.6	9.9
3069	Fabricated rubber products, n.e.c.-----	E2	4	2	0.4	5.0	0.3	0.6	3.4	7.6	9.4	16.8	(D)	(NA)	(NA)
31	Leather and leather products-----	E3	4	4	0.5	4.2	0.4	0.7	2.3	11.0	9.6	20.4	(D)	(NA)	(NA)
34	Fabricated metal products---	-	18	9	1.0	9.2	0.9	1.7	7.7	23.0	17.5	39.3	0.8	0.5	6.1
35	Machinery, except electrical --	-	19	6	0.5	4.9	0.3	0.6	2.7	5.6	8.5	14.7	0.3	0.6	9.6
36	Electric and electronic equipment-----	-	10	5	2.2	34.2	0.9	1.9	11.3	63.4	28.1	90.9	(D)	(NA)	(NA)
37	Transportation equipment ---	-	10	3	0.8	7.2	0.6	1.2	5.3	15.3	14.6	29.4	(D)	0.5	5.0
373	Ship and boat building and repairing-----	-	10	3	0.8	7.2	0.6	1.2	5.3	15.3	14.6	29.4	(D)	0.5	5.0
39	Miscellaneous manufacturing industries ---	E1	13	4	0.4	3.1	0.3	0.6	2.3	6.2	6.8	12.8	(D)	0.3	4.5
	Fitchburg-Leominster SMSA -	-	305	131	18.4	232.7	12.7	26.9	137.9	757.7	473.3	1 172.1	63.9	16.1	267.6
22	Textile mill products-----	-	6	6	0.6	5.8	0.6	1.2	4.5	11.6	17.4	28.2	0.9	0.5	5.1
23	Apparel and other textile products-----	-	9	8	1.0	8.0	0.8	1.4	5.5	16.0	13.6	29.2	(D)	0.8	11.1
24	Lumber and wood products---	E1	19	6	0.4	3.4	0.3	0.6	2.5	5.8	4.3	10.2	(D)	0.3	2.1
25	Furniture and fixtures-----	-	8	4	0.5	6.1	0.3	0.6	3.0	8.6	10.1	18.9	0.2	0.5	6.7
26	Paper and allied products ---	-	16	12	1.9	30.6	1.5	3.4	22.1	60.4	91.2	150.5	4.9	2.1	33.6
27	Printing and publishing -----	-	20	5	0.4	4.2	0.3	0.5	2.5	8.8	4.9	13.7	0.9	0.4	5.0
28	Chemicals and allied products-----	-	9	5	1.2	17.4	0.6	1.2	6.9	24.7	86.3	113.2	3.8	1.4	24.7
282	Plastics materials and synthetics-----	-	6	5	1.2	17.0	0.6	1.2	6.7	23.6	84.8	110.6	3.6	(NA)	(NA)
2821	Plastics materials and resins-----	-	6	5	1.2	17.0	0.6	1.2	6.7	23.6	84.8	110.6	3.6	(NA)	(NA)
30	Rubber and miscellaneous plastics products-----	E1	75	37	3.1	31.9	2.5	5.1	21.0	67.1	92.3	159.0	11.6	2.8	42.8
3079	Miscellaneous plastics products-----	E1	75	37	3.1	31.9	2.5	5.1	21.0	67.1	92.3	159.0	11.6	(NA)	(NA)
34	Fabricated metal products---	-	23	7	1.0	14.8	0.7	1.4	9.6	31.2	22.0	53.8	2.0	2.1	39.5
39	Miscellaneous manufacturing industries ---	-	22	9	0.7	4.9	0.4	0.7	2.3	10.8	9.9	19.6	0.6	1.1	15.3
394	Toys and sporting goods --	-	8	4	0.3	2.4	0.2	0.3	1.1	5.3	5.1	10.2	(D)	0.6	8.0
399	Miscellaneous manufactures-----	E1	14	5	0.3	2.5	0.2	0.3	1.2	5.5	4.8	9.4	(D)	(NA)	(NA)
3999	Manufacturing industries, n.e.c.-----	-	8	5	0.3	2.2	0.2	0.3	1.0	5.1	4.3	8.5	(D)	(NA)	(NA)
--	Administrative and auxiliary --	-	6	3	0.6	10.1	-	-	-	-	-	-	-	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Lawrence-Haverhill, Mass.-N.H., SMSA -----	-	580	218	38.1	466.6	27.9	53.7	280.1	1 100.7	916.4	1 994.6	68.1	39.3	739.5
20	Food and kindred products --	E2	40	16	1.2	12.1	0.8	1.5	7.0	29.9	75.9	106.5	2.9	1.0	13.9
202	Dairy products -----	E4	9	7	0.4	4.4	0.2	0.4	2.1	9.3	33.6	43.7	0.3	0.3	3.4
22	Textile mill products -----	-	21	12	3.3	36.4	2.6	5.0	25.0	78.8	104.8	183.8	(D)	3.2	49.9
23	Apparel and other textile products -----	-	29	15	2.1	19.6	1.7	3.2	12.6	40.3	53.4	91.9	0.3	2.5	27.6
2311	Men's and boys' suits and coats -----	-	5	4	1.3	12.9	1.0	2.1	8.4	22.2	23.9	43.9	(D)	1.3	13.9
233	Women's and misses' outerwear -----	-	15	5	0.4	3.5	0.3	0.6	2.1	13.1	13.7	27.1	(D)	(NA)	(NA)
24	Lumber and wood products --	E2	26	6	0.4	4.3	0.3	0.6	2.5	8.5	10.2	18.3	0.6	0.3	4.0
25	Furniture and fixtures -----	-	21	6	0.9	7.7	0.7	1.3	5.3	14.7	12.7	27.2	0.7	0.6	9.2
26	Paper and allied products ---	-	24	15	1.4	17.5	1.1	2.4	12.5	43.8	51.7	95.2	(D)	0.8	17.9
265	Paperboard containers and boxes -----	E1	10	8	0.6	7.3	0.5	1.1	5.0	16.7	13.2	30.0	1.3	0.4	6.4
2651	Folding paperboard boxes -----	E1	3	3	0.3	4.0	0.3	0.6	2.8	7.0	6.2	13.3	1.0	(NA)	(NA)
27	Printing and publishing -----	-	45	8	0.8	7.7	0.4	0.6	3.6	16.5	5.9	22.4	0.4	0.7	11.9
28	Chemicals and allied products -----	-	17	7	1.1	16.1	0.8	1.5	9.0	112.8	58.7	169.4	2.5	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	E1	40	19	1.9	19.2	1.4	3.1	12.9	42.6	48.7	92.5	3.7	2.4	40.9
3069	Fabricated rubber products, n.e.c. -----	-	8	3	0.3	3.3	0.2	0.5	2.3	4.2	6.5	11.6	(D)	(NA)	(NA)
3079	Miscellaneous plastics products -----	E1	28	13	1.4	14.3	1.1	2.4	9.6	35.2	39.5	74.7	3.4	1.3	22.9
31	Leather and leather products -----	-	50	28	3.9	30.4	3.4	5.9	23.0	52.6	55.1	107.1	1.0	5.9	54.9
3111	Leather tanning and finishing -----	E1	11	6	0.4	3.5	0.3	0.6	2.5	7.3	7.5	14.3	0.2	(NA)	(NA)
3131	Boot and shoe cut stock and findings -----	E1	19	8	0.6	4.5	0.4	0.8	2.8	9.9	15.7	25.5	(D)	1.0	8.5
314	Footwear, except rubber --	-	16	12	2.8	20.8	2.5	4.3	16.9	32.6	29.5	62.2	0.5	4.5	38.9
3144	Women's footwear, except athletic -----	-	10	8	2.0	15.8	1.8	3.2	13.0	25.0	23.6	48.6	0.5	3.5	30.9
32	Stone, clay, and glass products -----	-	14	3	0.3	3.2	0.3	0.5	2.1	5.9	5.4	11.2	0.3	0.3	5.4
33	Primary metal industries ----	E3	12	6	0.4	4.4	0.4	0.7	3.4	7.9	11.3	19.1	0.3	(NA)	(NA)
34	Fabricated metal products ---	-	43	17	1.6	19.3	1.2	2.4	13.7	44.4	45.6	90.9	4.0	1.5	37.5
344	Fabricated structural metal products -----	-	20	7	0.7	7.9	0.5	0.9	5.3	17.2	11.1	29.6	2.9	0.7	11.1
3443	Fabricated plate work (boiler shops) -----	-	6	2	0.4	4.6	0.3	0.5	3.1	9.3	5.7	16.3	(D)	(NA)	(NA)
35	Machinery, except electrical -	-	82	19	2.4	30.6	1.6	3.2	17.2	87.4	40.3	117.5	3.7	2.3	89.8
355	Special industry machinery -----	E1	19	8	0.7	8.9	0.5	0.9	4.8	14.2	9.4	24.1	1.2	(NA)	(NA)
356	General industrial machinery -----	-	6	4	0.3	3.6	0.2	0.3	2.1	9.8	5.6	15.6	0.8	(NA)	(NA)
367	Electronic components and accessories -----	E1	33	13	1.8	19.4	1.3	2.6	11.2	44.6	24.2	67.5	4.4	(NA)	(NA)
3674	Semiconductors and related devices -----	-	7	5	1.0	11.2	0.8	1.5	6.8	27.3	11.0	37.9	(D)	(NA)	(NA)
38	Instruments and related products -----	E1	14	4	0.5	5.7	0.3	0.6	2.3	14.5	7.2	21.2	1.0	(NA)	(NA)
	Lowell, Mass.-N.H., SMSA ----	-	354	154	23.1	277.5	15.1	28.8	145.0	530.6	492.7	1 007.4	29.0	22.4	421.7
20	Food and kindred products --	-	22	9	1.2	14.1	0.7	1.4	6.0	35.0	80.5	114.8	2.9	1.4	31.1
22	Textile mill products -----	-	26	22	3.0	32.8	2.3	4.8	20.4	62.6	93.2	151.6	5.6	3.0	48.6
228	Yarn and thread mills -----	-	5	5	0.3	1.8	0.2	0.4	1.3	3.8	4.8	8.6	(D)	(NA)	(NA)
23	Apparel and other textile products -----	E1	26	17	1.1	8.3	0.9	1.6	6.1	15.5	14.9	30.5	0.3	1.9	17.3
233	Women's and misses' outerwear -----	E1	11	11	0.6	4.8	0.5	1.0	3.5	8.9	5.2	14.1	0.1	1.1	8.7
24	Lumber and wood products --	-	14	5	0.3	2.3	0.2	0.4	1.6	4.4	3.5	7.9	0.2	(NA)	(NA)
26	Paper and allied products ---	-	13	11	0.8	9.1	0.6	1.3	5.7	17.8	22.4	39.7	0.8	0.9	13.1
27	Printing and publishing -----	-	32	9	2.5	30.2	1.8	3.4	23.3	57.2	27.0	83.9	1.9	2.4	37.2
275	Commercial printing -----	-	20	4	1.4	15.4	1.0	2.0	12.9	31.7	21.9	53.4	(D)	1.4	20.9
30	Rubber and miscellaneous plastics products -----	-	16	9	0.9	8.9	0.8	1.5	5.9	22.4	19.9	43.0	1.7	1.0	14.1
31	Leather and leather products -----	-	8	5	1.3	9.7	1.2	2.1	7.2	20.0	29.3	50.5	(D)	1.6	14.8

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Lowell, Mass.-N.H., SMSA—Con.														
32	Stone, clay, and glass products -----	-	12	3	0.3	4.0	0.2	0.4	2.3	8.5	5.7	14.5	0.9	0.5	7.8
34	Fabricated metal products ---	E2	32	11	0.5	5.7	0.4	0.8	3.9	10.4	10.9	21.5	0.6	0.6	7.5
344	Fabricated structural metal products -----	E2	14	5	0.3	2.7	0.2	0.4	1.8	4.8	7.6	12.6	0.2	0.4	4.6
35	Machinery, except electrical -	-	51	13	3.7	46.0	1.6	3.1	16.2	97.9	72.7	170.0	5.7	(NA)	(NA)
36	Electric and electronic equipment -----	E3	39	20	1.9	18.1	1.5	2.8	11.0	38.5	18.9	56.3	5.1	1.4	19.0
367	Electronic components and accessories -----	-	22	12	0.9	9.3	0.7	1.3	5.5	19.8	9.1	28.4	(D)	0.7	8.1
3679	Electronic components, n.e.c. -----	-	16	7	0.6	5.8	0.4	0.9	3.9	11.9	5.3	17.0	1.4	0.5	6.0
38	Instruments and related products -----	E1	11	5	0.7	8.6	0.3	0.6	3.2	14.1	9.5	23.4	0.8	0.3	4.5
	New Bedford SMSA -----	-	325	157	24.3	242.5	19.4	36.8	167.8	497.6	470.2	966.5	25.8	24.1	333.8
20	Food and kindred products --	E1	44	21	1.7	17.3	1.2	1.9	9.9	39.7	81.9	121.5	4.5	1.7	31.2
22	Textile mill products-----	-	24	18	2.0	18.9	1.7	3.5	14.3	32.9	35.7	68.2	0.9	2.0	33.7
23	Apparel and other textile products -----	-	71	54	7.7	59.1	7.0	12.5	47.6	126.9	84.8	210.9	(D)	7.8	78.4
2311	Men's and boys' suits and coats -----	-	12	9	2.7	24.8	2.4	4.5	21.0	64.8	34.3	98.9	(D)	2.3	30.0
232	Men's and boys' furnishings -----	-	6	6	0.6	3.9	0.5	0.9	2.9	8.6	9.3	17.8	(D)	(NA)	(NA)
233	Women's and misses' outerwear -----	E1	26	24	2.9	19.2	2.7	4.5	15.5	33.3	23.7	57.0	(D)	3.3	30.5
2335	Women's and misses' dresses -----	E1	9	8	1.5	10.0	1.3	2.3	7.4	20.6	21.8	42.5	(D)	2.4	24.0
239	Miscellaneous fabricated textile products -----	-	11	3	0.4	2.8	0.4	0.7	2.3	5.1	0.9	6.0	(D)	0.4	2.4
26	Paper and allied products ---	E1	5	4	0.4	4.6	0.3	0.6	2.9	10.6	14.4	24.9	0.3	(NA)	(NA)
27	Printing and publishing -----	-	23	5	0.5	5.3	0.3	0.4	2.6	11.3	6.4	17.8	0.4	0.6	9.2
31	Leather and leather products -----	-	3	3	0.8	5.5	0.7	1.3	4.6	7.4	7.5	15.2	0.1	0.7	5.1
33	Primary metal industries ----	-	7	4	1.4	16.3	1.1	2.1	11.6	38.1	61.2	98.6	(D)	1.2	22.7
34	Fabricated metal products ---	-	25	10	1.9	22.5	1.5	3.2	17.2	48.8	31.8	83.1	1.2	1.2	18.7
342	Cutlery, hand tools, and hardware -----	-	4	3	0.3	2.8	0.2	0.5	1.6	6.4	2.8	8.9	(D)	(NA)	(NA)
35	Machinery, except electrical -	-	28	7	1.1	14.7	0.8	1.6	9.1	26.4	15.8	42.6	0.6	0.9	15.7
36	Electric and electronic equipment -----	-	11	8	2.1	17.6	1.7	3.3	12.1	42.2	33.7	73.9	1.7	2.1	21.0
37	Transportation equipment ---	-	15	5	0.4	5.3	0.4	0.7	3.9	9.4	6.4	15.9	0.2	0.5	5.5
--	Administrative and auxiliary --	-	10	5	0.4	5.5	-	-	-	-	-	-	-	(NA)	(NA)
	Pittsfield SMSA -----	-	122	47	15.3	232.2	8.2	15.8	97.6	397.0	248.3	652.8	26.9	16.2	273.5
26	Paper and allied products ---	E1	12	11	2.6	39.0	2.0	4.3	25.7	79.1	71.6	150.7	(D)	2.6	54.2
27	Printing and publishing -----	-	21	5	0.7	7.7	0.3	0.4	2.4	20.5	8.1	28.7	0.5	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	E1	11	5	0.4	3.1	0.4	0.7	2.4	8.6	6.1	14.3	(D)	(NA)	(NA)
3079	Miscellaneous plastics products -----	E1	11	5	0.4	3.1	0.4	0.7	2.4	8.6	6.1	14.3	(D)	(NA)	(NA)
35	Machinery, except electrical -	-	22	6	1.0	14.1	0.6	1.3	8.1	22.3	18.7	39.3	1.5	0.8	14.9
	Providence-Warwick-Pawtucket, R.I.-Mass., SMSA -----	-	3 320	1 026	140.0	1 494.4	107.3	202.2	947.1	3 040.4	3 161.2	6 158.6	173.3	131.9	1 959.9
20	Food and kindred products ---	E1	147	36	3.6	41.1	2.3	4.2	21.8	83.4	178.8	261.4	4.3	(NA)	(NA)
202	Dairy products -----	E5	25	8	0.5	5.2	0.3	0.5	2.2	7.0	37.7	44.7	1.1	1.0	18.8
2026	Fluid milk -----	E5	17	7	0.4	4.6	0.2	0.4	1.8	5.7	32.7	38.4	1.1	1.0	17.2
205	Bakery products -----	-	39	8	1.0	13.1	0.4	0.7	3.8	25.5	27.0	52.5	0.6	(NA)	(NA)
208	Beverages -----	E1	19	5	0.7	9.2	0.5	0.8	6.2	19.3	39.9	59.0	0.6	(NA)	(NA)
209	Miscellaneous foods and kindred products -----	E1	28	7	0.4	3.8	0.4	0.6	2.5	10.0	22.2	32.2	0.7	0.3	4.0

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

[Includes industry groups and industries with 250 employees or more within SCOA's and SMSA's, except for those in SMSA's, see appendix A. For explanation of terms, see appendix B]															
SIC code	SMSA and industry	1977											1972		
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
22	Providence-Warwick-Pawtucket, R.I.-Mass., SMSA--Con.	-	190	115	11.7	107.0	9.9	20.2	78.3	194.0	222.2	415.8	13.2	15.4	173.5
2221	Textile mill products-----	-	190	115	11.7	107.0	9.9	20.2	78.3	194.0	222.2	415.8	13.2	15.4	173.5
	Weaving mills, manmade fiber and silk-----	E1	15	10	0.7	7.0	0.6	1.3	5.8	11.3	14.2	25.9	(D)	1.4	20.1
2231	Weaving and finishing mills, wool-----	E1	17	10	1.0	9.8	1.0	2.3	8.8	20.8	19.2	40.3	0.6	(NA)	(NA)
2241	Narrow fabric mills-----	-	41	27	3.1	26.7	2.8	5.4	20.2	48.5	54.5	102.9	2.6	(NA)	(NA)
225	Knitting mills-----	-	12	8	1.0	8.9	0.9	1.6	7.0	13.2	28.4	41.7	1.4	(NA)	(NA)
2257	Circular knit fabric mills-----	-	7	3	0.8	6.9	0.7	1.3	5.5	9.5	21.4	31.0	(D)	2.0	24.0
226	Textile finishing, except wool-----	E1	31	21	1.9	20.6	1.4	2.9	12.4	27.5	22.2	50.0	2.4	(NA)	(NA)
	Finishing plants, n.e.c.-----	E2	9	7	0.5	4.5	0.4	0.9	3.4	8.3	10.0	18.2	0.8	0.9	8.2
2269	Yarn and thread mills-----	-	19	11	1.5	13.9	1.3	2.8	10.2	31.2	41.2	72.2	1.4	1.8	16.3
228	Miscellaneous textile goods-----	-	47	22	2.0	17.3	1.6	3.3	11.7	37.0	36.1	72.0	2.3	(NA)	(NA)
229	Lace goods-----	-	17	5	0.5	4.0	0.4	0.9	3.1	6.6	2.2	8.8	(D)	(NA)	(NA)
2292	Cordage and twine-----	-	7	4	0.5	3.5	0.4	0.7	2.6	8.9	5.6	14.1	0.2	(NA)	(NA)
2298	Textile goods, n.e.c.-----	E4	14	8	0.4	2.7	0.4	0.7	1.9	5.1	3.9	8.8	1.1	(NA)	(NA)
23	Apparel and other textile products-----	E2	65	31	2.9	21.9	2.5	4.3	16.0	49.7	38.8	87.1	0.7	(NA)	(NA)
233	Women's and misses' outerwear-----	E4	22	15	0.9	6.1	0.8	1.3	5.0	11.9	3.3	15.2	0.1	1.0	5.0
2335	Women's and misses' dresses-----	E4	15	9	0.5	3.0	0.5	0.8	2.5	7.7	2.0	9.7	(D)	(NA)	(NA)
239	Miscellaneous fabricated textile products-----	E1	30	6	0.5	5.0	0.4	0.8	3.3	13.7	10.9	24.1	0.3	(NA)	(NA)
24	Lumber and wood products--	E1	47	7	0.6	5.7	0.5	1.0	4.4	10.5	7.2	17.5	0.4	(NA)	(NA)
26	Paper and allied products---	-	61	31	2.9	30.6	2.3	4.5	20.7	58.1	74.8	132.8	2.8	(NA)	(NA)
264	Miscellaneous converted paper products-----	-	28	11	0.9	11.8	0.7	1.5	7.7	21.6	39.6	60.3	0.8	(NA)	(NA)
2641	Paper coating and glazing-----	-	10	5	0.6	7.8	0.5	1.0	5.4	13.6	29.3	42.1	0.5	(NA)	(NA)
2652	Setup paperboard boxes-----	E1	17	12	0.8	5.6	0.6	1.1	3.6	10.7	5.0	15.7	0.4	(NA)	(NA)
2653	Corrugated and solid fiber boxes-----	-	8	3	0.3	3.2	0.2	0.4	1.9	6.6	8.9	16.1	0.2	(NA)	(NA)
27	Printing and publishing-----	-	215	46	5.2	68.4	3.4	6.4	40.1	132.0	77.3	208.6	7.0	5.5	104.6
2711	Newspapers-----	-	25	8	1.7	25.2	0.7	1.2	10.5	47.8	16.0	63.8	2.1	(NA)	(NA)
275	Commercial printing-----	E1	142	25	2.3	30.2	1.9	3.6	21.5	55.2	48.4	103.5	4.2	1.9	34.2
2752	Commercial printing, lithographic-----	E1	55	14	1.0	12.6	0.8	1.5	8.2	26.1	17.3	43.3	(D)	(NA)	(NA)
2753	Engraving and plate printing-----	E1	10	2	0.3	2.9	0.3	0.5	2.1	7.0	2.5	9.4	(D)	(NA)	(NA)
279	Printing trade services-----	-	18	4	0.3	4.4	0.2	0.4	2.9	7.4	1.7	9.0	0.3	(NA)	(NA)
28	Chemicals and allied products-----	-	69	19	3.0	39.3	2.1	3.9	20.3	76.1	144.8	218.3	11.3	(NA)	(NA)
284	Soaps, cleaners, and toilet goods-----	-	16	6	0.8	8.4	0.7	1.4	5.5	16.3	37.9	53.7	2.3	0.9	14.6
30	Rubber and miscellaneous plastics products-----	-	115	46	5.5	54.6	4.4	8.6	36.6	159.1	132.0	289.5	11.8	6.5	125.8
3079	Miscellaneous plastics products-----	-	100	39	4.5	45.8	3.7	7.3	31.1	144.8	114.7	257.9	11.4	4.3	102.5
31	Leather and leather products-----	-	26	16	2.9	21.8	2.5	4.2	14.2	46.2	53.7	104.5	1.4	(NA)	(NA)
32	Stone, clay, and glass products-----	-	55	20	2.5	33.9	1.9	3.9	23.9	80.3	45.9	126.5	5.4	2.5	46.7
322	Glass and glassware, pressed or blown-----	-	4	3	1.3	17.6	1.1	2.4	14.9	43.8	21.0	65.9	2.8	(NA)	(NA)
327	Concrete, gypsum, and plaster products-----	E1	30	10	0.5	6.9	0.3	0.6	4.2	15.5	14.0	29.8	1.4	0.6	12.2
3273	Ready-mixed concrete-----	E1	9	5	0.3	3.5	0.2	0.3	2.1	8.5	8.6	17.1	1.1	(NA)	(NA)
329	Miscellaneous nonmetallic mineral products-----	-	10	4	0.5	7.6	0.3	0.6	3.5	16.7	7.6	23.6	(D)	(NA)	(NA)
33	Primary metal industries-----	-	127	46	9.4	113.7	7.5	15.6	80.6	280.1	649.3	928.3	10.9	10.1	190.9
331	Blast furnace and basic steel products-----	-	7	4	0.8	12.1	0.6	1.3	10.0	20.3	22.1	41.7	(D)	1.8	34.8
3341	Secondary nonferrous metals-----	-	11	4	0.3	3.9	0.2	0.3	1.7	44.3	70.3	112.8	(D)	(NA)	(NA)
335	Nonferrous rolling and drawing-----	-	35	22	7.3	85.7	5.8	12.4	60.7	195.5	538.4	734.9	7.0	6.5	127.5
3351	Copper rolling and drawing-----	-	6	4	0.6	6.1	0.5	0.9	4.9	12.1	15.2	26.8	(D)	(NA)	(NA)
3356	Nonferrous rolling and drawing, n.e.c.-----	-	14	6	1.3	17.3	1.1	2.4	12.4	33.8	250.1	290.1	(D)	1.1	26.1
3357	Nonferrous wire drawing and insulating-----	-	15	12	5.4	62.2	4.3	9.1	43.4	149.6	273.2	418.0	4.3	(NA)	(NA)
3398	Metal heat treating-----	E1	21	4	0.3	2.5	0.2	0.4	1.6	4.3	3.8	8.1	0.3	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Providence-Warwick-Pawtucket, R.I.-Mass., SMSA—Con.														
34	Fabricated metal products ---	-	478	131	16.9	195.9	13.7	26.0	132.2	328.2	304.3	632.5	12.4	10.0	133.7
342	Cutlery, hand tools, and hardware ---	E1	17	6	1.0	10.2	0.9	1.8	7.6	18.7	11.5	30.4	0.4	(NA)	(NA)
344	Fabricated structural metal products ---	-	70	18	6.5	81.7	5.1	9.9	54.0	136.2	141.0	281.9	3.2	(NA)	(NA)
3442	Metal doors, sash, and trim ---	E1	14	4	0.3	3.0	0.2	0.3	1.7	5.3	6.5	11.8	0.1	(NA)	(NA)
3444	Sheet metal work ---	E5	28	4	0.3	4.0	0.2	0.4	2.5	7.5	9.2	16.8	0.4	(NA)	(NA)
345	Screw machine products, bolts, etc. ---	-	52	16	1.7	18.3	1.4	2.7	13.1	30.9	33.5	63.9	2.2	(NA)	(NA)
3451	Screw machine products ---	E1	39	7	0.8	8.5	0.7	1.4	6.3	15.1	9.0	23.7	0.9	0.8	11.5
3452	Bolts, nuts, rivets, and washers ---	-	13	9	0.9	9.8	0.7	1.3	6.8	15.8	24.5	40.2	1.3	(NA)	(NA)
346	Metal forgings and stampings ---	-	61	25	1.4	17.5	1.1	2.5	11.1	29.7	28.2	57.3	2.1	1.5	20.8
3469	Metal stampings, n.e.c. ---	-	56	20	1.1	13.9	0.9	1.9	8.7	24.3	23.5	47.2	2.0	1.3	18.1
347	Metal services, n.e.c. ---	E2	214	48	3.4	30.3	3.0	5.3	21.2	54.2	39.9	93.5	2.5	2.8	28.5
3471	Plating and polishing ---	E2	144	32	2.5	21.8	2.2	3.9	15.5	36.6	22.6	59.1	1.5	2.3	23.2
3479	Metal coating and allied services ---	E1	70	16	0.9	8.5	0.7	1.4	5.7	17.5	17.4	34.4	0.9	0.5	5.3
349	Miscellaneous fabricated metal products ---	-	57	18	2.9	37.8	2.3	3.9	25.0	57.9	49.7	104.4	2.1	(NA)	(NA)
3494	Valves and pipe fittings ---	-	8	6	0.6	8.1	0.3	0.6	3.1	14.3	8.7	20.9	0.9	(NA)	(NA)
3499	Fabricated metal products, n.e.c. ---	E1	33	7	0.7	6.1	0.6	1.1	4.6	11.4	11.9	23.1	0.4	(NA)	(NA)
35	Machinery, except electrical ---	-	353	66	9.3	127.7	6.3	12.3	72.4	229.5	117.4	338.5	13.6	9.6	147.8
354	Metalworking machinery ---	-	130	29	4.6	64.5	3.2	6.5	39.2	113.4	46.6	152.2	6.7	3.9	57.6
3541	Machine tools, metal cutting types ---	-	19	7	2.4	35.8	1.6	3.3	20.6	61.9	25.9	81.9	(D)	(NA)	(NA)
3545	Machine tool accessories ---	-	26	10	1.3	17.4	0.9	1.9	11.1	33.9	10.5	42.7	1.4	(NA)	(NA)
355	Special industry machinery ---	-	42	11	2.4	34.2	1.4	2.6	15.8	61.9	30.5	93.1	2.9	(NA)	(NA)
3552	Textile machinery ---	-	26	7	1.5	20.9	0.8	1.7	8.2	40.4	13.5	56.3	(D)	(NA)	(NA)
3559	Special industry machinery, n.e.c. ---	-	13	4	0.9	13.1	0.5	0.9	7.5	21.1	16.7	36.1	(D)	(NA)	(NA)
356	General industrial machinery ---	-	27	7	0.7	9.2	0.5	1.0	5.3	21.2	18.0	38.1	2.3	(NA)	(NA)
357	Office and computing machines ---	-	8	4	0.5	7.0	0.3	0.7	3.3	12.3	8.6	20.9	(D)	(NA)	(NA)
3573	Electronic computing equipment ---	-	4	3	0.4	6.2	0.2	0.5	2.7	10.3	7.5	17.8	(D)	(NA)	(NA)
359	Miscellaneous machinery, except electrical ---	E3	122	10	0.9	9.9	0.7	1.3	7.0	14.7	8.3	22.8	1.0	1.0	13.6
3599	Machinery, except electrical, n.e.c. ---	E3	122	10	0.9	9.9	0.7	1.3	7.0	14.7	8.3	22.8	1.0	1.0	13.6
36	Electric and electronic equipment ---	-	69	34	7.0	68.0	5.3	9.4	43.0	135.3	126.5	251.3	16.2	11.3	165.7
364	Electric lighting and wiring equipment ---	E1	19	13	3.7	35.9	3.0	5.2	25.1	59.4	67.7	120.4	3.1	(NA)	(NA)
3643	Current-carrying wiring devices ---	-	9	7	3.2	31.7	2.6	4.6	22.6	49.5	58.9	101.8	(D)	(NA)	(NA)
367	Electronic components and accessories ---	-	30	12	2.4	21.9	1.7	3.0	11.4	51.8	38.5	86.5	(D)	1.8	22.2
3679	Electronic components, n.e.c. ---	-	19	5	1.1	10.4	0.8	1.7	6.5	23.2	22.5	44.9	1.4	0.6	10.9
369	Miscellaneous electrical equipment and supplies ---	-	9	6	0.6	7.8	0.4	0.9	5.1	20.2	15.8	34.0	(D)	(NA)	(NA)
373	Ship and boat building and repairing ---	-	18	5	0.4	4.7	0.3	0.8	3.7	8.1	6.7	14.8	0.4	(NA)	(NA)
38	Instruments and related products ---	-	57	25	11.9	141.4	9.5	18.5	101.4	282.4	199.4	475.7	29.4	5.9	79.6
384	Medical instruments and supplies ---	-	17	7	2.4	25.8	1.8	3.5	15.7	69.0	31.3	99.3	4.7	(NA)	(NA)
3851	Ophthalmic goods ---	-	16	7	1.7	16.4	1.3	2.6	11.2	39.0	21.7	56.8	1.1	(NA)	(NA)
39	Miscellaneous manufacturing industries ---	-	1 142	321	40.9	369.6	31.5	55.5	224.5	844.9	733.3	1 565.6	29.1	34.8	495.6
391	Jewelry, silverware, and plated ware ---	-	553	146	19.2	179.5	13.6	24.8	103.7	390.6	399.2	786.0	15.3	15.7	220.5
3911	Jewelry, precious metal ---	-	340	91	13.6	120.6	9.1	16.6	67.3	267.5	243.0	502.3	11.6	10.2	145.7
3914	Silverware and plated ware ---	-	16	6	1.1	14.1	0.7	1.3	7.6	27.6	16.3	51.3	0.2	(NA)	(NA)
3915	Jewelers' materials and lapidary work ---	E1	197	49	4.4	44.8	3.8	6.9	28.8	95.5	139.9	232.4	3.6	(NA)	(NA)
394	Toys and sporting goods ---	-	20	8	1.8	16.6	1.5	2.0	11.2	47.6	48.6	94.1	0.8	(NA)	(NA)
396	Costume jewelry and notions ---	-	353	138	16.9	146.0	13.9	24.2	90.2	333.4	238.0	566.7	10.1	13.2	179.0
3961	Costume jewelry ---	-	339	130	15.7	134.9	13.2	22.8	85.0	314.0	225.3	534.2	9.3	11.7	157.5
3999	Manufacturing industries, n.e.c. ---	E4	165	9	0.9	8.0	0.7	1.2	5.2	15.6	10.8	26.3	0.6	(NA)	(NA)
--	Administrative and auxiliary ---	-	27	14	1.5	30.8	-	-	-	-	-	-	-	(NA)	(NA)

See footnotes at end of table.

Table 6. **Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.**

(Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's see appendix A. For explanation of terms, see appendix B)

SIC code		SMSA and industry	1977											1972		
			E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
				Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
		Springfield-Chicopee-Holyoke, Mass.-Conn., SMSA	-	1 034	400	63.2	779.5	45.5	88.6	480.5	1 735.5	1 572.5	3 290.8	109.1	62.1	1 157.7
20	Food and kindred products --	-	56	18	2.3	32.6	1.1	2.1	12.0	44.1	170.4	213.6	16.2	2.5	61.2	
202	Dairy products -----	-	13	6	1.1	18.1	0.5	0.9	5.7	17.6	116.6	133.9	(D)	0.9	34.6	
205	Bakery products -----	E1	16	5	0.5	5.3	0.3	0.5	2.9	10.1	7.4	17.5	(D)	0.6	8.9	
2051	Bread, cake, and related products -----	E1	16	5	0.5	5.3	0.3	0.5	2.9	10.1	7.4	17.5	(D)	0.6	8.9	
22	Textile mill products -----	-	18	15	1.8	18.3	1.6	3.6	14.5	40.5	52.3	92.8	1.2	2.1	37.5	
225	Knitting mills -----	-	4	4	0.7	5.8	0.6	1.2	4.6	16.2	21.0	37.3	(D)	0.8	12.1	
23	Apparel and other textile products -----	-	41	23	3.6	29.1	2.9	5.2	18.0	52.7	38.3	92.2	0.7	4.0	44.1	
233	Women's and misses' outerwear -----	-	10	8	0.8	6.3	0.7	1.3	4.3	10.2	11.8	22.1	0.1	0.9	6.4	
236	Children's outerwear -----	E2	4	4	0.7	5.4	0.6	1.1	3.7	8.8	4.2	13.0	0.1	0.7	5.6	
239	Miscellaneous fabricated textile products -----	-	16	7	1.4	11.9	0.9	1.6	5.6	26.0	18.3	45.0	0.6	1.5	24.9	
24	Lumber and wood products --	E1	36	6	0.3	3.3	0.3	0.5	2.4	6.7	7.7	14.3	0.5	0.6	10.3	
26	Paper and allied products ---	-	71	48	6.9	86.1	5.0	10.1	55.6	175.3	209.5	384.1	13.0	7.1	126.6	
264	Miscellaneous converted paper products -----	-	38	25	4.5	56.3	3.2	6.3	34.6	119.8	143.7	262.8	8.2	3.9	73.9	
2641	Paper coating and glazing -----	-	10	7	1.6	22.1	0.9	1.9	10.6	43.7	65.2	108.4	2.9	0.7	12.8	
2648	Stationery products -----	-	9	4	0.6	6.6	0.4	0.8	4.7	11.1	11.9	23.1	(D)	0.6	6.7	
2649	Converted paper products, n.e.c. -----	E1	8	6	0.4	5.5	0.3	0.7	3.5	12.2	19.1	31.2	(D)	0.5	9.0	
265	Paperboard containers and boxes -----	-	25	18	1.7	20.0	1.3	2.5	13.0	37.4	46.1	83.1	3.7	2.0	32.0	
2651	Folding paperboard boxes -----	-	6	6	0.5	5.9	0.4	0.9	4.4	12.9	11.5	24.1	(D)	0.7	11.0	
2653	Corrugated and solid fiber boxes -----	E1	10	6	0.9	11.2	0.6	1.2	6.7	18.5	27.5	46.0	(D)	0.8	12.5	
27	Printing and publishing -----	-	142	48	5.7	66.2	3.7	6.9	39.1	161.9	86.4	245.1	6.3	5.7	105.9	
2711	Newspapers -----	-	19	8	1.4	17.2	0.3	0.6	4.5	60.5	12.7	73.1	0.8	1.4	40.8	
275	Commercial printing -----	E1	75	21	1.4	16.8	1.1	2.2	12.1	28.0	17.6	45.4	1.7	1.4	19.6	
2751	Commercial printing, letterpress -----	E3	36	5	0.3	3.0	0.3	0.5	2.1	5.7	3.8	9.2	(D)	0.3	3.9	
2752	Commercial printing, lithographic -----	E1	32	12	0.8	10.6	0.6	1.3	7.4	16.5	11.5	28.1	0.9	1.0	13.5	
278	Blankbooks and bookbinding -----	-	13	8	2.1	21.6	1.7	3.1	16.7	47.8	31.2	76.7	(D)	1.8	28.7	
2782	Blankbooks and looseleaf binders -----	-	8	6	2.0	21.0	1.6	3.0	16.3	46.6	31.0	75.3	(D)	(NA)	(NA)	
279	Printing trade services -----	-	18	5	0.3	3.1	0.2	0.4	2.3	6.0	4.8	10.7	0.5	0.3	3.1	
28	Chemicals and allied products -----	-	29	13	3.3	53.6	1.8	3.6	26.6	181.3	211.7	395.1	15.0	3.9	186.5	
30	Rubber and miscellaneous plastics products -----	-	56	31	4.9	61.2	3.9	7.9	43.5	129.3	128.2	258.9	5.5	4.2	76.0	
3069	Fabricated rubber products, n.e.c. -----	-	5	4	0.3	2.9	0.2	0.5	2.3	4.7	4.9	9.5	0.2	(NA)	(NA)	
32	Stone, clay, and glass products -----	-	33	11	0.7	8.8	0.5	1.1	5.9	18.8	25.0	43.5	1.0	0.7	13.1	
3291	Abrasive products -----	-	6	4	0.3	3.7	0.2	0.4	2.5	8.0	11.7	19.6	(D)	(NA)	(NA)	
33	Primary metal industries -----	-	38	21	2.1	25.2	1.7	3.4	18.3	47.8	70.2	117.9	5.1	2.2	34.7	
331	Blast furnace and basic steel products -----	-	5	4	0.3	3.7	0.2	0.4	2.5	7.1	11.5	19.0	(D)	(NA)	(NA)	
332	Iron and steel foundries -----	-	7	5	0.5	6.9	0.5	0.9	5.3	13.7	12.7	25.7	3.4	0.7	9.3	
335	Nonferrous rolling and drawing -----	-	8	6	0.8	9.7	0.7	1.4	7.0	18.2	25.4	43.4	0.7	0.9	15.7	
34	Fabricated metal products ---	-	138	57	9.9	121.8	8.0	15.7	89.4	239.8	147.0	361.0	16.9	8.7	136.1	
342	Cutlery, hand tools, and hardware -----	-	17	7	2.9	36.7	2.3	4.7	27.4	86.3	55.8	121.4	6.0	1.6	38.0	
344	Fabricated structural metal products -----	E1	33	11	0.7	9.2	0.5	1.0	6.0	9.8	19.4	29.1	1.1	1.1	17.0	
3444	Sheet metal work -----	-	14	4	0.4	4.4	0.3	0.5	2.9	3.1	13.5	16.6	(D)	0.5	7.6	
346	Metal forgings and stampings -----	-	13	10	1.0	12.3	0.9	1.6	8.3	22.6	17.0	40.2	1.3	1.1	15.7	
347	Metal services, n.e.c. -----	-	31	11	0.6	6.0	0.5	0.9	3.9	10.2	4.0	14.2	(D)	(NA)	(NA)	
3471	Plating and polishing -----	E1	18	5	0.3	3.5	0.3	0.6	2.5	6.5	2.5	9.0	0.3	(NA)	(NA)	
349	Miscellaneous fabricated metal products -----	-	22	10	1.4	17.1	0.9	1.8	10.0	30.0	26.5	56.1	3.1	1.1	11.4	
35	Machinery, except electrical -	-	228	61	10.3	144.0	7.1	13.7	83.9	366.2	236.8	609.2	17.2	7.6	133.4	
355	Special industry machinery -----	-	24	11	1.5	24.1	1.0	1.9	14.0	50.1	39.1	87.8	1.5	1.3	26.8	
3555	Printing trades machinery -----	-	7	4	0.4	5.8	0.3	0.6	3.9	10.2	14.1	24.0	0.8	(NA)	(NA)	
356	General industrial machinery -----	-	25	7	2.0	28.6	1.3	2.6	17.4	57.5	40.3	108.7	2.6	2.4	44.6	
359	Miscellaneous machinery, except electrical -----	E1	93	20	1.3	19.8	1.0	2.3	14.0	31.5	12.6	43.4	2.6	(NA)	(NA)	
3599	Machinery, except electrical, n.e.c. -----	E1	93	20	1.3	19.8	1.0	2.3	14.0	31.5	12.6	43.4	2.6	(NA)	(NA)	

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977											1972		
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Springfield-Chicopee-Holyoke, Mass.-Conn., SMSA—Con.														
36	Electric and electronic equipment -----	E2	33	15	1.9	20.0	1.3	2.6	11.7	44.6	38.8	86.2	2.2	1.8	21.0
366	Communication equipment -----	E1	9	4	0.6	6.7	0.3	0.7	2.7	18.1	10.8	31.4	1.0	(NA)	(NA)
3662	Radio and TV communication equipment -----	E1	9	4	0.6	6.7	0.3	0.7	2.7	18.1	10.8	31.4	1.0	(NA)	(NA)
37	Transportation equipment ---	-	13	5	1.2	11.0	1.1	1.7	8.9	15.2	22.4	39.8	0.5	(NA)	(NA)
38	Instruments and related products -----	-	19	5	0.7	9.9	0.3	0.6	3.4	21.3	11.1	30.7	1.3	1.7	12.4
39	Miscellaneous manufacturing industries ---	-	42	13	5.5	60.5	4.1	8.1	39.6	169.8	97.6	265.5	6.2	5.9	119.3
3991	Brooms and brushes ---	-	5	4	1.2	12.1	1.0	2.0	8.6	25.0	16.5	40.7	0.8	(NA)	(NA)
--	Administrative and auxiliary --	-	11	5	0.8	14.6	-	-	-	-	-	-	-	(NA)	(NA)
	Worcester SMSA -----	-	830	314	43.4	553.0	30.2	58.2	319.7	1 101.8	928.9	2 010.7	77.2	45.2	729.6
20	Food and kindred products --	E1	32	11	1.7	21.6	0.7	1.5	7.1	45.1	69.1	114.0	2.5	2.0	37.1
205	Bakery products -----	E1	10	4	1.3	17.2	0.4	0.9	4.9	34.0	31.4	65.3	1.4	1.3	26.6
2051	Bread, cake, and related products -----	E1	10	4	1.3	17.2	0.4	0.9	4.9	34.0	31.4	65.3	1.4	1.3	26.6
22	Textile mill products-----	-	48	25	3.2	30.6	2.6	5.2	23.0	57.0	48.7	103.9	1.7	3.6	44.9
229	Miscellaneous textile goods -----	-	16	6	0.6	6.0	0.5	1.0	4.1	11.9	14.2	25.8	(D)	0.6	8.3
23	Apparel and other textile products -----	E2	38	20	1.0	6.9	0.9	1.3	5.0	13.2	13.8	26.4	(D)	1.6	12.0
233	Women's and misses' outerwear -----	E2	13	9	0.4	3.2	0.4	0.5	2.4	5.5	2.7	8.2	(D)	0.7	5.6
25	Furniture and fixtures -----	-	20	8	0.9	10.5	0.4	0.7	3.7	20.7	17.5	37.6	(D)	0.8	12.2
27	Printing and publishing -----	-	78	13	1.8	23.1	1.1	1.9	12.3	36.6	17.1	53.8	1.8	2.2	30.8
275	Commercial printing -----	E1	48	7	0.6	7.3	0.5	0.9	5.2	10.3	9.2	19.6	(D)	0.6	8.0
28	Chemicals and allied products -----	-	21	7	1.2	16.6	0.7	1.3	6.5	37.5	32.4	69.2	2.5	0.9	21.2
31	Leather and leather products -----	-	16	12	2.0	18.4	1.7	3.2	12.9	33.2	33.0	65.9	0.6	2.5	22.7
314	Footwear, except rubber --	-	7	7	1.6	12.9	1.4	2.4	9.2	23.5	21.5	44.3	(D)	2.1	17.4
3143	Men's footwear, except athletic -----	-	3	3	0.9	8.0	0.8	1.5	5.5	15.6	12.9	28.0	(D)	1.1	8.5
33	Primary metal industries ----	-	36	23	2.9	40.7	2.3	4.4	28.7	78.8	93.2	179.0	(D)	3.3	55.5
332	Iron and steel foundries ---	E1	4	2	0.3	3.7	0.2	0.4	2.8	6.7	3.4	10.0	(D)	0.3	4.1
34	Fabricated metal products ---	E1	152	64	8.0	109.2	5.9	11.6	67.8	232.6	188.6	408.1	17.8	7.5	121.1
3444	Sheet metal work -----	E3	11	4	0.3	3.9	0.3	0.5	2.9	4.8	3.3	8.1	0.2	0.3	5.1
349	Miscellaneous fabricated metal products -----	E2	34	18	2.8	39.6	2.0	4.0	23.7	88.0	67.6	152.6	(D)	2.0	33.1
37	Transportation equipment ---	E1	10	2	0.4	5.2	0.3	0.6	3.9	8.9	15.8	25.0	0.1	(NA)	(NA)
39	Miscellaneous manufacturing industries ---	E1	46	9	0.9	7.5	0.7	1.2	4.5	14.9	13.6	28.8	0.2	1.2	16.4
--	Administrative and auxiliary --	-	9	4	0.3	4.6	-	-	-	-	-	-	-	(NA)	(NA)

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (S) Withheld because estimate did not meet publication standards.
 (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies.
For explanation of terms, see appendix B]

For explanation of terms, see appendix B)															
SIC code	County and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Barnstable County -----	-	189	27	2.4	25.0	1.6	2.8	12.6	52.9	37.4	88.2	3.1	2.1	30.0
27	Printing and publishing -----	E2	51	4	0.5	5.0	0.2	0.4	2.1	10.4	3.6	14.0	1.0	(NA)	(NA)
	Berkshire County -----	-	210	58	18.8	271.4	10.5	20.5	118.8	458.5	310.5	775.8	30.8	20.4	313.8
26	Paper and allied products ---	E1	17	14	2.8	42.2	2.2	4.7	27.8	85.0	79.6	164.5	(D)	2.9	58.5
27	Printing and publishing -----	-	36	8	1.0	10.3	0.5	0.7	3.9	25.4	10.5	36.0	0.9	0.7	13.9
30	Rubber and miscellaneous plastics products -----	E1	14	7	0.6	5.0	0.5	1.0	3.6	12.2	12.3	24.1	(D)	(NA)	(NA)
3079	Miscellaneous plastics products-----	E1	14	7	0.6	5.0	0.5	1.0	3.6	12.2	12.3	24.1	(D)	(NA)	(NA)
35	Machinery, except electrical--	-	31	9	1.3	17.4	0.8	1.6	9.7	27.4	22.8	48.4	1.6	1.1	18.4
	Bristol County -----	-	1 050	497	72.7	729.3	57.8	109.5	501.5	1 468.9	1 508.1	2 973.2	(D)	73.8	1 020.5
20	Food and kindred products --	E1	88	33	2.6	27.9	1.9	3.4	17.4	72.5	160.8	231.8	6.5	3.1	56.5
205	Bakery products -----	-	15	4	0.7	8.6	0.3	0.6	3.6	20.6	12.1	32.8	0.4	0.8	13.7
209	Miscellaneous foods and kindred products -----	-	25	15	1.1	9.7	1.0	1.6	7.5	25.7	69.4	95.2	4.3	0.9	16.6
22	Textile mill products -----	-	61	49	7.2	71.7	6.0	12.3	53.0	134.0	130.1	261.2	4.7	7.7	107.2
2221	Weaving mills, manmade fiber and silk -----	-	8	7	2.3	23.4	1.9	4.0	17.0	42.6	59.9	100.5	(D)	(NA)	(NA)
2241	Narrow fabric mills -----	-	9	6	0.5	4.2	0.4	0.8	2.9	7.9	6.1	14.1	0.2	(NA)	(NA)
2253	Knit outerwear mills -----	-	5	4	0.9	6.6	0.8	1.4	5.6	13.0	3.6	16.3	(D)	(NA)	(NA)
226	Textile finishing, except wool -----	-	18	15	2.7	29.5	2.2	4.7	22.3	52.9	44.4	97.1	1.9	3.1	42.4
2261	Finishing plants, cotton --	-	5	3	0.7	7.1	0.6	1.2	5.2	14.2	24.1	38.5	(D)	(NA)	(NA)
2262	Finishing plants, synthetics -----	-	10	9	1.7	20.2	1.4	3.1	15.6	35.7	18.3	53.5	0.2	(NA)	(NA)
23	Apparel and other textile products -----	-	171	134	17.7	125.8	15.8	27.6	102.2	239.8	159.1	397.5	2.9	18.8	169.9
2311	Men's and boys' suits and coats -----	-	20	16	4.5	37.7	4.0	7.4	31.6	94.2	45.6	138.1	(D)	(NA)	(NA)
232	Men's and boys' furnishings -----	E1	14	12	2.0	13.5	1.8	3.4	11.2	21.2	14.4	35.6	(D)	1.5	11.6
2328	Men's and boys' work clothing -----	-	4	4	0.5	4.5	0.5	0.8	3.5	5.8	6.8	12.5	(D)	(NA)	(NA)
233	Women's and misses' outerwear -----	E1	78	68	7.1	45.8	6.4	10.5	37.9	69.5	34.6	104.3	(D)	8.4	65.8
2331	Women's and misses' blouses and waists -----	-	9	9	0.7	4.9	0.7	1.0	4.3	6.0	0.5	6.5	(Z)	(NA)	(NA)
2335	Women's and misses' dresses -----	E1	38	32	3.5	22.8	3.1	5.2	17.7	39.9	29.7	69.9	(D)	(NA)	(NA)
2337	Women's and misses' suits and coats -----	-	21	18	2.1	13.8	1.9	3.2	12.1	18.3	3.8	22.0	(D)	(NA)	(NA)
2339	Women's and misses' outerwear, n.e.c. -----	-	10	9	0.7	4.3	0.7	1.1	3.8	5.3	0.6	5.9	(D)	(NA)	(NA)
234	Women's and children's undergarments -----	-	11	9	1.0	7.1	0.9	1.6	4.9	11.5	10.1	21.6	(D)	1.5	12.3
2341	Women's and children's underwear -----	-	11	9	1.0	7.1	0.9	1.6	4.9	11.5	10.1	21.6	(D)	(NA)	(NA)
239	Miscellaneous fabricated textile products -----	-	36	19	2.6	17.7	2.1	3.9	13.3	35.9	46.2	82.7	0.3	2.7	24.9
2391	Curtains and draperies --	-	16	12	2.1	13.8	1.7	3.1	10.5	26.3	41.3	68.4	0.2	(NA)	(NA)
24	Lumber and wood products --	E1	30	8	0.5	4.0	0.4	0.7	2.8	7.4	9.6	17.2	(D)	0.5	5.3
26	Paper and allied products ---	E1	19	11	1.0	12.4	0.8	1.6	8.4	28.5	35.8	63.8	1.0	1.7	26.4
27	Printing and publishing -----	-	73	17	2.3	21.0	1.6	2.7	12.6	45.0	25.2	70.3	1.9	2.2	33.4
2711	Newspapers -----	-	12	5	0.6	7.0	0.3	0.4	2.9	16.8	3.5	20.3	0.7	(NA)	(NA)
275	Commercial printing -----	-	46	7	0.8	6.8	0.6	1.1	4.7	13.5	6.8	20.2	0.7	0.7	10.3
28	Chemicals and allied products -----	E2	19	7	0.5	6.5	0.3	0.6	3.6	24.5	29.4	53.9	(D)	0.7	26.3
3079	Miscellaneous plastics products-----	-	24	12	1.2	13.6	1.0	1.9	9.2	33.3	41.0	74.2	1.4	(NA)	(NA)
31	Leather and leather products -----	E1	16	11	2.0	14.3	1.7	3.0	10.4	21.8	30.2	55.6	0.5	1.4	14.0
314	Footwear, except rubber --	-	4	4	1.0	6.5	0.9	1.5	5.5	8.8	9.6	18.8	0.1	0.7	5.6
317	Handbags and other personal leather goods ---	-	6	3	0.6	5.0	0.5	0.9	3.1	12.6	7.2	19.6	(D)	(NA)	(NA)
32	Stone, clay, and glass products -----	-	29	8	0.8	10.1	0.6	1.3	7.4	24.9	16.4	42.0	2.2	(NA)	(NA)
33	Primary metal industries -----	-	37	20	2.8	34.0	2.2	4.6	24.7	71.8	256.6	334.1	4.1	2.8	53.1
3357	Nonferrous wire drawing and insulating -----	-	6	6	1.0	9.8	0.9	1.9	8.4	22.0	29.1	50.8	0.3	(NA)	(NA)
34	Fabricated metal products ---	-	117	42	4.7	51.9	3.9	7.9	39.1	106.1	83.2	189.3	3.8	3.6	47.8
345	Screw machine products, bolts, etc. -----	-	12	7	1.0	12.0	0.8	1.7	8.7	25.8	15.8	40.9	0.5	1.1	16.6
346	Metal forgings and stampings -----	-	24	10	1.1	12.2	0.9	1.9	9.2	26.2	22.6	47.5	1.3	0.7	8.7
347	Metal services, n.e.c. -----	E1	37	9	0.6	5.0	0.5	0.9	3.6	8.4	8.8	17.1	0.3	0.5	6.0

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977											1972		
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital ex- pend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Bristol County—Con.														
35	Machinery, except electrical ---	-	100	29	2.8	35.3	2.0	3.9	21.3	67.1	39.1	106.1	2.1	2.9	46.9
354	Metalworking machinery ---	-	32	9	1.2	17.0	0.9	1.8	10.8	36.0	14.5	50.3	0.7	1.2	19.5
355	Special industry machinery ---	-	18	6	0.6	8.1	0.4	0.8	4.0	15.9	8.3	23.3	0.7	0.9	11.8
36	Electric and electronic equipment ---	-	32	18	3.7	35.4	2.8	5.5	21.5	86.8	71.4	156.4	4.4	9.8	150.2
364	Electric lighting and wiring equipment ---	E1	9	6	0.9	9.2	0.7	1.5	6.6	18.3	17.3	35.1	0.2	0.9	14.5
367	Electronic components and accessories ---	-	11	5	1.1	9.9	0.8	1.6	5.8	25.0	21.8	45.6	(D)	0.8	12.1
37	Transportation equipment ---	-	20	8	1.0	10.1	0.8	1.5	7.1	19.0	16.7	35.4	1.3	0.7	6.7
3732	Boat building and repairing ---	-	10	3	0.6	5.3	0.5	0.8	3.7	9.9	9.8	19.3	(D)	(NA)	(NA)
38	Instruments and related products ---	-	20	10	7.2	93.1	6.2	12.0	74.4	164.6	176.8	340.0	(D)	1.0	27.4
39	Miscellaneous manufacturing industries ---	-	151	63	11.9	125.8	8.3	15.8	68.9	266.7	189.9	453.0	7.3	11.6	173.5
391	Jewelry, silverware, and plated ware ---	-	85	41	6.6	72.1	4.5	8.8	38.6	137.6	122.0	258.5	4.4	6.7	91.6
396	Costume jewelry and notions ---	-	32	13	2.6	28.7	2.1	3.7	15.3	67.4	40.9	108.2	0.8	3.1	46.0
--	Administrative and auxiliary --	-	15	9	0.6	7.8	-	-	-	-	-	-	-	(NA)	(NA)
	Essex County -----	-	1 353	453	76.5	1 013.0	52.2	100.1	552.7	2 162.3	1 857.1	3 988.6	116.7	81.1	1 460.2
20	Food and kindred products --	E1	105	43	3.7	40.7	2.6	4.8	22.8	98.4	254.0	353.1	5.4	3.4	44.0
202	Dairy products ---	E2	14	8	0.6	7.3	0.3	0.7	3.6	17.0	48.8	66.6	0.2	0.5	6.8
205	Bakery products ---	-	23	5	0.6	7.1	0.3	0.5	2.7	18.5	15.3	33.8	1.4	0.6	8.9
2051	Bread, cake, and related products ---	-	23	5	0.6	7.1	0.3	0.5	2.7	18.5	15.3	33.8	1.4	(NA)	(NA)
209	Miscellaneous foods and kindred products ---	-	33	19	1.7	16.3	1.4	2.5	11.4	34.3	120.8	155.2	2.7	1.4	14.6
22	Textile mill products ---	-	32	15	3.4	37.4	2.7	5.2	25.6	78.2	108.9	187.6	(D)	3.5	51.0
23	Apparel and other textile products ---	-	62	24	3.4	30.2	2.7	5.0	19.3	64.7	72.9	134.3	(D)	3.6	44.4
233	Women's and misses' outerwear ---	E1	26	11	1.0	7.6	0.8	1.4	4.9	22.8	22.2	45.3	0.6	0.7	13.3
24	Lumber and wood products --	E2	32	7	0.5	5.0	0.4	0.7	3.0	9.3	11.2	20.2	(D)	(NA)	(NA)
26	Paper and allied products ---	-	36	21	2.2	27.5	1.8	3.9	19.7	70.8	81.4	150.4	21.9	1.9	37.4
264	Miscellaneous converted paper products ---	-	17	8	0.9	9.4	0.7	1.5	6.9	29.3	35.6	63.1	(D)	(NA)	(NA)
265	Paperboard containers and boxes ---	-	14	10	0.9	10.9	0.7	1.5	7.5	23.1	22.1	45.2	1.3	0.9	13.4
27	Printing and publishing -----	E1	122	23	2.1	22.5	1.2	2.1	12.0	46.7	20.4	66.9	1.7	2.0	28.8
2711	Newspapers ---	-	19	9	1.0	12.0	0.4	0.6	5.1	25.3	5.0	30.3	0.6	(NA)	(NA)
275	Commercial printing ---	E1	80	13	0.9	8.8	0.7	1.4	6.2	17.4	13.3	30.5	1.0	(NA)	(NA)
2751	Commercial printing, letterpress ---	E1	38	6	0.5	4.2	0.4	0.8	3.2	9.0	8.4	17.2	0.6	(NA)	(NA)
28	Chemicals and allied products ---	-	64	19	2.6	37.4	1.7	3.1	19.3	168.2	128.3	293.1	5.6	3.1	141.6
284	Soaps, cleaners, and toilet goods ---	-	22	8	1.2	16.8	0.8	1.5	9.2	113.8	55.3	166.8	1.8	1.3	104.6
289	Miscellaneous chemical products ---	-	18	4	0.8	13.0	0.5	0.9	7.0	26.2	39.3	64.9	1.5	1.1	24.5
30	Rubber and miscellaneous plastics products ---	E1	67	29	2.9	32.1	2.3	4.6	22.3	72.1	85.7	158.7	5.0	3.5	62.3
3079	Miscellaneous plastics products ---	E1	55	22	2.4	27.1	1.9	3.9	19.0	64.7	76.3	140.6	4.8	(NA)	(NA)
31	Leather and leather products ---	-	149	68	7.6	64.0	6.6	11.5	48.5	112.9	150.2	261.6	2.7	11.4	115.8
3111	Leather tanning and finishing ---	-	72	29	2.3	24.8	1.9	3.6	18.5	45.0	78.0	121.2	1.5	(NA)	(NA)
3131	Boot and shoe cut stock and findings ---	E1	30	12	1.0	8.8	0.8	1.5	6.0	19.0	30.2	48.9	0.4	(NA)	(NA)
314	Footwear, except rubber ---	-	31	21	3.8	27.0	3.4	5.8	21.7	43.5	37.5	81.6	0.7	6.6	61.0
3144	Women's footwear, except athletic ---	-	14	9	2.3	17.2	2.1	3.6	14.1	27.5	25.5	53.2	0.5	(NA)	(NA)
3149	Footwear, except rubber, n.e.c. ---	-	10	8	1.2	7.9	1.1	1.7	6.2	12.4	9.0	21.8	0.2	(NA)	(NA)
32	Stone, clay, and glass products ---	-	30	7	0.5	5.8	0.4	0.8	3.7	13.2	10.7	23.7	0.4	0.6	7.2
33	Primary metal industries -----	E3	24	9	0.6	6.9	0.5	0.9	4.7	12.6	17.8	29.9	0.4	0.5	8.0
34	Fabricated metal products ---	-	126	42	3.1	39.5	2.4	4.9	26.1	84.6	85.0	167.9	5.4	2.7	58.2
344	Fabricated structural metal products ---	E1	45	12	0.7	8.3	0.6	1.1	5.5	18.2	16.1	34.4	2.6	0.5	8.1
349	Miscellaneous fabricated metal products ---	-	20	7	0.8	10.3	0.5	1.1	5.8	21.7	17.3	37.5	1.1	0.7	22.5

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies.
For explanation of terms, see appendix B]

SIC code		County and industry	1977											1972	
			All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			E ¹	Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)							Wages (million dollars)
Essex County—Con.															
35	Machinery, except electrical - -	-	231	52	10.9	173.3	6.6	13.7	97.7	320.3	172.9	485.1	10.8	11.7	299.3
355	Special industry machinery - -	-	34	12	2.8	41.5	1.4	2.9	19.7	74.7	41.9	115.9	1.9	3.3	65.3
3559	Special industry machinery, n.e.c. - - - - -	-	20	6	2.1	32.3	0.9	2.0	15.0	56.5	32.1	87.3	(D)	(NA)	(NA)
356	General industrial machinery - - - - -	-	21	9	0.9	10.8	0.6	1.4	7.6	22.2	16.4	38.8	1.2	(NA)	(NA)
359	Miscellaneous machinery, except electrical - - - - -	E2	119	18	1.7	23.2	1.2	2.4	14.4	36.2	15.1	50.5	2.2	0.9	12.9
3599	Machinery, except electrical, n.e.c. - - - - -	E2	119	18	1.7	23.2	1.2	2.4	14.4	36.2	15.1	50.5	2.2	(NA)	(NA)
36	Electric and electronic equipment - - - - -	-	99	48	20.4	272.7	15.1	28.9	169.6	663.1	406.3	1 059.4	29.7	19.4	366.1
363	Household appliances - - - - -	-	5	4	0.6	3.7	0.5	0.8	2.3	6.7	4.7	11.4	0.1	0.6	15.8
367	Electronic components and accessories - - - - -	-	51	24	3.4	39.1	2.5	5.0	24.5	92.5	42.5	134.7	5.8	2.9	46.3
38	Instruments and related products - - - - -	-	32	8	1.0	13.3	0.6	1.2	6.8	24.2	17.0	41.3	0.8	1.8	27.8
39	Miscellaneous manufacturing industries - - - - -	-	55	10	1.6	18.4	1.1	1.7	7.9	52.7	40.1	90.4	(D)	1.7	36.4
-	Administrative and auxiliary - - - - -	-	17	11	2.5	48.9	-	-	-	-	-	-	-	(NA)	(NA)
Franklin County - - - - -		-	114	35	5.4	65.6	3.9	7.7	43.7	126.3	139.8	272.3	8.2	5.8	103.6
26	Paper and allied products - - - - -	-	8	6	0.9	12.2	0.7	1.4	8.2	20.7	33.8	54.7	1.9	1.3	24.6
34	Fabricated metal products - - - - -	-	12	7	0.6	7.8	0.5	1.0	4.9	13.6	11.2	24.0	(D)	0.7	10.9
35	Machinery, except electrical - - - - -	-	19	8	2.0	24.5	1.4	2.6	16.4	49.6	33.0	89.0	(D)	1.9	35.7
354	Metalworking machinery - - - - -	-	10	6	1.9	22.5	1.2	2.3	14.9	44.5	30.0	81.2	(D)	(NA)	(NA)
Hampden County - - - - -		-	906	355	55.7	686.1	40.5	78.4	431.6	1 518.8	1 384.0	2 885.6	99.2	54.6	998.1
20	Food and kindred products - - - - -	-	47	16	2.1	30.8	1.0	2.0	11.6	42.9	162.3	204.3	(D)	2.3	59.0
233	Women's and misses' outerwear - - - - -	-	10	8	0.8	6.3	0.7	1.3	4.3	10.2	11.8	22.1	(D)	0.9	6.4
236	Children's outerwear - - - - -	E2	4	4	0.7	5.4	0.6	1.1	3.7	8.8	4.2	13.0	(D)	0.7	5.6
26	Paper and allied products - - - - -	-	64	45	6.2	75.9	4.7	9.5	53.2	153.7	188.9	342.0	10.5	7.2	129.6
2651	Folding paperboard boxes - - - - -	-	6	6	0.5	5.9	0.4	0.9	4.4	12.9	11.5	24.1	(D)	(NA)	(NA)
27	Printing and publishing - - - - -	-	126	44	5.6	64.0	3.6	6.7	37.9	156.7	83.3	237.1	6.1	5.5	103.1
275	Commercial printing - - - - -	E1	66	19	1.3	16.1	1.0	2.1	11.6	26.0	16.5	42.5	1.6	1.3	18.8
2752	Commercial printing, lithographic - - - - -	-	28	11	0.8	10.3	0.6	1.2	7.1	16.1	11.2	27.3	(D)	(NA)	(NA)
2782	Blankbooks and looseleaf binders - - - - -	-	8	6	2.0	21.0	1.6	3.0	16.3	46.6	31.0	75.3	(D)	(NA)	(NA)
30	Rubber and miscellaneous plastics products - - - - -	-	47	25	4.1	51.4	3.3	6.4	38.1	108.2	109.0	219.1	4.4	3.7	70.7
32	Stone, clay, and glass products - - - - -	-	28	10	0.7	8.2	0.5	1.1	5.5	16.4	21.1	37.0	1.3	0.8	14.5
33	Primary metal industries - - - - -	-	32	17	1.3	16.7	1.1	2.2	12.3	32.2	47.5	79.7	(D)	1.8	27.9
332	Iron and steel foundries - - - - -	-	6	5	0.5	6.8	0.5	0.9	5.2	13.4	12.5	25.3	3.4	0.7	9.3
34	Fabricated metal products - - - - -	-	121	50	9.5	117.6	7.7	15.2	86.4	232.4	143.0	349.6	16.5	8.3	132.0
344	Fabricated structural metal products - - - - -	E1	25	8	0.6	7.1	0.4	0.8	4.5	6.6	17.8	24.3	1.0	0.9	14.7
347	Metal services, n.e.c. - - - - -	-	30	11	0.6	6.0	0.5	0.9	3.9	10.1	3.9	13.9	0.3	(NA)	(NA)
349	Miscellaneous fabricated metal products - - - - -	-	18	9	1.3	16.0	0.9	1.7	9.4	27.7	25.5	52.7	(D)	1.1	11.1
35	Machinery, except electrical - - - - -	-	210	58	9.7	135.3	6.7	13.0	79.0	349.3	225.0	580.4	(D)	6.9	121.9
359	Miscellaneous machinery, except electrical - - - - -	E1	88	21	1.3	19.9	1.0	2.3	14.1	31.7	12.9	43.9	2.6	0.9	15.4
3599	Machinery, except electrical, n.e.c. - - - - -	E1	88	21	1.3	19.9	1.0	2.3	14.1	31.7	12.9	43.9	2.6	(NA)	(NA)
366	Communication equipment - - - - -	E1	9	4	0.6	6.7	0.3	0.7	2.7	18.1	10.8	31.4	1.0	(NA)	(NA)
3662	Radio and TV communication equipment - - - - -	E1	9	4	0.6	6.7	0.3	0.7	2.7	18.1	10.8	31.4	1.0	(NA)	(NA)
37	Transportation equipment - - - - -	-	12	4	1.2	10.3	1.1	1.6	8.4	13.6	22.0	37.9	0.5	1.2	17.2
399	Miscellaneous manufactures - - - - -	-	17	5	0.9	8.4	0.7	1.4	6.4	16.2	7.4	23.5	(D)	0.9	8.5
-	Administrative and auxiliary - - - - -	-	10	5	0.8	14.6	-	-	-	-	-	-	-	(NA)	(D)
Hampshire County - - - - -		-	174	58	8.4	101.1	5.9	12.1	58.0	223.0	217.4	439.8	(D)	8.7	171.5
26	Paper and allied products - - - - -	-	11	7	1.7	23.5	1.0	2.1	12.0	46.9	58.6	104.9	4.4	0.8	14.9
30	Rubber and miscellaneous plastics products - - - - -	-	11	6	0.8	9.9	0.6	1.5	5.4	21.2	19.3	39.9	1.1	0.5	5.3
33	Primary metal industries - - - - -	-	7	5	0.8	8.9	0.6	1.3	6.3	16.3	23.6	39.8	(D)	(NA)	(NA)

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977											1972		
		E1	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Middlesex County -----	-	2 741	997	155.5	2 180.5	89.7	176.8	962.3	4 227.3	3 557.3	7 694.3	238.8	151.3	2 880.1
20	Food and kindred products --	-	136	50	6.0	72.4	3.9	7.7	39.2	196.1	371.2	564.3	9.8	7.8	164.8
201	Meat products-----	E4	22	6	0.7	8.3	0.5	0.9	5.5	13.5	43.5	57.0	1.1	0.9	22.6
2013	Sausages and other prepared meats -----	E4	16	6	0.6	8.0	0.5	0.9	5.3	12.9	40.0	52.9	1.0	(NA)	(NA)
202	Dairy products-----	-	18	6	0.6	8.3	0.3	0.6	4.4	28.1	61.9	89.8	(D)	0.7	10.6
205	Bakery products -----	-	35	6	1.0	14.4	0.7	1.4	8.3	38.3	34.4	72.6	2.3	1.8	37.5
206	Sugar and confectionery products -----	-	13	8	1.3	11.9	1.1	2.1	8.5	40.2	46.2	84.9	1.2	1.5	28.3
2065	Confectionery products --	-	13	8	1.3	11.9	1.1	2.1	8.5	40.2	46.2	84.9	1.2	(NA)	(NA)
208	Beverages -----	E1	13	7	0.8	9.6	0.3	0.6	3.0	25.4	56.2	81.7	1.4	1.1	26.0
209	Miscellaneous foods and kindred products -----	-	16	8	1.0	12.0	0.6	1.3	5.1	30.8	78.4	108.2	2.6	1.2	24.5
22	Textile mill products -----	-	45	31	3.9	40.7	3.1	6.3	26.1	81.1	109.7	186.6	7.1	4.9	70.3
225	Knitting mills -----	E1	7	6	0.7	5.1	0.6	1.2	3.9	9.7	16.5	25.9	0.8	0.9	12.1
229	Miscellaneous textile goods -----	-	18	9	1.4	17.1	1.1	2.4	11.1	39.6	55.6	92.6	1.5	1.7	35.4
23	Apparel and other textile products -----	E1	120	53	4.5	36.3	3.8	6.7	26.0	71.0	89.0	159.6	(D)	5.2	73.2
233	Women's and misses' outerwear -----	E3	43	22	1.2	9.2	1.1	2.0	7.1	14.2	9.9	25.4	0.2	2.2	37.4
2335	Women's and misses' dresses -----	E5	25	12	0.6	4.2	0.5	1.0	3.4	5.6	3.2	10.3	0.1	(NA)	(NA)
234	Women's and children's undergarments -----	-	6	4	0.7	4.5	0.6	1.1	3.5	7.3	7.8	15.3	(D)	0.7	6.2
238	Miscellaneous apparel and accessories -----	-	6	4	0.5	4.8	0.4	0.6	3.2	8.9	7.9	16.8	(D)	0.6	7.6
239	Miscellaneous fabricated textile products -----	-	44	14	1.1	9.9	0.8	1.5	6.3	24.5	35.9	60.2	2.4	0.7	10.2
24	Lumber and wood products --	E1	60	15	1.2	12.5	0.8	1.4	6.6	26.5	31.3	56.8	(D)	0.9	15.8
25	Furniture and fixtures -----	E1	74	18	1.0	10.0	0.8	1.4	6.5	18.4	21.3	39.9	0.6	1.5	22.5
251	Household furniture -----	E1	45	9	0.6	5.9	0.5	0.9	4.1	10.1	13.2	23.8	(D)	1.1	18.3
26	Paper and allied products ---	-	73	44	7.5	89.9	5.5	10.9	53.0	185.3	214.2	396.8	4.5	4.7	77.3
264	Miscellaneous converted paper products -----	-	30	13	4.7	57.8	3.3	6.7	31.3	114.6	120.5	232.8	(D)	(NA)	(NA)
2641	Paper coating and glazing -----	-	5	3	0.5	6.7	0.4	0.9	4.5	15.4	18.0	33.0	0.6	(NA)	(NA)
2643	Bags, except textile bags -----	-	8	3	0.5	5.1	0.4	0.8	3.9	11.8	19.6	31.5	0.2	(NA)	(NA)
265	Paperboard containers and boxes -----	-	39	28	2.4	27.1	1.8	3.5	17.8	57.2	74.4	131.8	2.0	2.9	43.1
2651	Folding paperboard boxes -----	-	8	5	0.7	8.3	0.6	1.2	5.8	15.2	23.0	38.8	0.7	(NA)	(NA)
2653	Corrugated and solid fiber boxes -----	-	14	10	0.8	10.7	0.6	1.1	6.2	20.0	31.1	50.9	0.7	(NA)	(NA)
27	Printing and publishing -----	-	381	82	9.3	115.7	5.5	9.9	61.6	261.6	118.5	376.1	11.6	7.6	116.4
2711	Newspapers -----	E1	46	15	1.5	15.4	0.6	1.0	5.6	29.8	9.2	39.0	1.5	(NA)	(NA)
273	Books -----	-	36	12	2.6	35.4	1.0	1.9	12.8	104.5	31.6	132.7	5.3	1.0	17.5
2732	Book printing -----	-	12	6	1.0	13.1	0.8	1.5	10.5	21.6	6.5	28.0	0.9	(NA)	(NA)
275	Commercial printing -----	-	195	27	3.4	42.5	2.7	4.9	31.2	79.7	53.8	133.2	3.7	3.0	46.2
2751	Commercial printing, letterpress -----	E2	92	8	0.7	8.5	0.6	1.1	6.2	14.9	10.1	24.9	0.7	(NA)	(NA)
2752	Commercial printing, lithographic -----	-	98	19	2.6	33.6	2.1	3.7	24.8	64.0	43.4	107.1	3.0	(NA)	(NA)
28	Chemicals and allied products -----	E1	117	35	3.7	55.0	2.1	4.3	26.3	146.1	166.8	313.6	9.3	3.4	87.8
284	Soaps, cleaners, and toilet goods -----	E2	25	7	0.6	9.2	0.4	0.7	3.4	15.8	16.9	32.8	0.3	0.6	9.7
286	Industrial organic chemicals -----	-	8	4	0.6	10.1	0.4	0.8	6.5	29.8	41.5	70.9	2.0	(NA)	(NA)
289	Miscellaneous chemical products -----	-	40	13	1.3	20.1	0.8	1.5	9.4	59.9	59.7	120.3	4.4	1.1	26.7
30	Rubber and miscellaneous plastics products -----	-	112	55	7.0	74.8	5.4	10.3	48.0	162.9	165.9	330.7	19.1	7.7	173.7
3079	Miscellaneous plastics products -----	-	94	47	5.3	56.8	4.3	8.0	36.8	131.5	132.0	264.2	16.4	(NA)	(NA)
31	Leather and leather products -----	-	40	18	3.6	29.2	3.2	5.5	20.0	57.7	72.5	128.1	1.6	3.5	35.2
314	Footwear, except rubber --	-	20	13	3.3	25.4	2.9	4.9	17.6	49.6	62.4	109.7	1.4	3.0	27.7
3144	Women's footwear, except athletic -----	-	10	8	1.9	13.9	1.7	3.1	10.7	28.3	34.9	63.6	0.3	(NA)	(NA)
32	Stone, clay, and glass products -----	-	61	14	1.6	21.5	1.2	2.2	13.6	57.9	38.4	95.4	2.6	2.0	41.6
327	Concrete, gypsum, and plaster products -----	-	31	7	0.6	8.8	0.5	0.8	6.3	16.0	18.5	34.6	0.7	0.9	21.4
329	Miscellaneous nonmetallic mineral products -----	-	14	5	0.7	9.4	0.5	1.0	5.3	37.3	17.7	53.8	1.9	(NA)	(NA)
33	Primary metal industries -----	-	41	17	1.6	21.5	1.3	2.6	14.6	37.8	69.3	106.9	2.5	1.4	26.3
335	Nonferrous rolling and drawing -----	-	8	4	0.7	8.3	0.5	1.0	5.9	9.9	29.3	38.6	0.6	(NA)	(NA)

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies.
For explanation of terms, see appendix B]

		1977												1972	
SIC code	County and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Middlesex County—Con.														
34	Fabricated metal products ---	E1	316	116	8.4	104.4	6.4	12.4	67.4	196.9	154.0	349.8	9.0	9.5	155.5
344	Fabricated structural metal products ---	E1	104	38	2.3	30.8	1.8	3.4	19.7	57.5	57.4	116.6	2.4	2.8	46.3
3442	Metal doors, sash, and trim ---	-	15	7	0.5	4.5	0.3	0.7	2.7	10.1	13.2	23.3	0.4	(NA)	(NA)
3443	Fabricated plate work (boiler shops) ---	-	15	8	0.5	7.6	0.4	0.7	4.3	15.3	10.2	25.4	0.6	(NA)	(NA)
3444	Sheet metal work ---	E1	39	14	0.7	10.2	0.6	1.2	7.1	17.0	15.4	33.0	0.9	(NA)	(NA)
345	Screw machine products, bolts, etc. ---	E1	36	13	1.8	24.6	1.4	2.7	16.9	39.7	30.4	68.7	1.5	1.2	17.9
3452	Bolts, nuts, rivets, and washers ---	E1	6	5	1.3	19.0	1.0	1.9	13.0	30.2	24.7	53.4	(D)	(NA)	(NA)
346	Metal forgings and stampings ---	E1	27	13	1.0	10.9	0.8	1.5	7.2	19.5	11.7	31.4	0.5	2.5	39.5
347	Metal services, n.e.c. ---	E1	58	20	1.0	10.6	0.8	1.5	7.0	17.6	9.9	27.5	1.2	(NA)	(NA)
3471	Plating and polishing ---	E1	33	12	0.6	6.6	0.5	0.9	4.4	10.5	5.0	15.5	0.9	(NA)	(NA)
349	Miscellaneous fabricated metal products ---	E2	59	22	1.2	12.6	0.8	1.6	7.6	29.9	21.1	50.5	1.5	1.3	20.1
3499	Fabricated metal products, n.e.c. ---	E2	31	9	0.5	5.5	0.3	0.7	3.3	9.9	9.4	18.8	0.7	(NA)	(NA)
35	Machinery, except electrical ---	-	421	107	20.3	287.3	10.1	19.9	111.1	696.7	420.3	1 096.8	45.1	22.5	574.2
354	Metalworking machinery ---	E1	73	11	1.0	13.0	0.8	1.5	9.0	30.4	16.6	47.1	1.6	1.1	16.4
355	Special industry machinery ---	-	46	15	3.8	55.6	1.8	4.1	20.2	126.1	93.1	216.4	9.5	3.3	69.4
3559	Special industry machinery, n.e.c. ---	E3	19	4	0.5	6.8	0.3	0.7	3.5	23.0	11.3	34.4	(D)	(NA)	(NA)
356	General industrial machinery ---	-	46	19	2.8	45.4	1.3	2.5	16.4	80.5	44.1	119.2	4.7	1.6	36.3
3569	General industrial machinery, n.e.c. ---	-	16	7	1.7	29.2	0.7	1.2	8.1	48.3	25.0	70.1	3.2	(NA)	(NA)
357	Office and computing machines ---	-	56	31	9.8	134.1	4.2	8.0	42.4	391.3	221.7	598.3	26.2	12.9	383.5
3573	Electronic computing equipment ---	-	48	27	9.1	125.5	3.8	7.3	40.1	360.4	202.9	550.3	26.0	(NA)	(NA)
358	Refrigeration and service machinery ---	-	14	8	1.3	19.4	0.8	1.3	9.8	35.0	23.8	61.1	0.7	1.9	40.7
359	Miscellaneous machinery, except electrical ---	E3	168	17	1.3	15.1	1.0	2.0	10.6	25.0	13.5	38.4	2.1	1.1	16.8
3599	Machinery, except electrical, n.e.c. ---	E3	168	17	1.3	15.1	1.0	2.0	10.6	25.0	13.5	38.4	2.1	(NA)	(NA)
36	Electric and electronic equipment ---	E1	307	160	28.6	363.2	18.7	37.6	186.9	772.4	449.1	1 207.4	48.3	25.6	441.3
362	Electrical industrial apparatus ---	-	27	12	1.7	20.2	1.1	2.0	11.0	45.2	24.6	66.6	1.5	1.2	23.5
3622	Industrial controls ---	-	15	8	1.4	17.1	0.9	1.5	9.0	39.2	22.2	58.7	1.2	(NA)	(NA)
364	Electric lighting and wiring equipment ---	E1	23	14	1.7	18.5	1.3	2.5	11.4	47.9	32.1	77.6	(D)	1.8	28.3
365	Radio and TV receiving equipment ---	E3	17	6	1.8	19.3	1.2	3.2	8.0	61.4	58.3	121.1	2.6	2.1	37.4
366	Communication equipment ---	E1	72	36	9.2	130.1	6.0	11.7	71.3	243.4	130.0	371.1	18.6	7.8	137.1
367	Electronic components and accessories ---	-	133	72	10.2	121.3	6.7	13.3	59.8	235.3	119.7	354.1	16.3	10.4	155.4
3674	Semiconductors and related devices ---	E1	22	13	2.6	29.8	1.6	3.0	12.9	57.1	27.4	86.8	5.1	(NA)	(NA)
3676	Electronic resistors ---	-	5	5	0.6	6.9	0.4	0.8	2.8	13.2	3.5	16.5	(D)	(NA)	(NA)
3679	Electronic components, n.e.c. ---	-	96	47	5.2	59.3	3.4	7.1	30.4	122.9	69.1	188.2	9.3	(NA)	(NA)
369	Miscellaneous electrical equipment and supplies ---	-	28	17	3.3	45.2	1.9	3.9	19.9	112.8	75.2	178.2	4.6	1.4	31.7
3693	X-ray, electromedical, and electrotherapeutic apparatus ---	-	9	8	2.4	36.1	1.2	2.5	13.2	96.5	62.1	149.4	4.3	(NA)	(NA)
37	Transportation equipment ---	-	42	19	7.3	130.6	5.8	12.3	98.5	400.3	622.3	1 010.8	16.8	7.6	251.0
38	Instruments and related products ---	-	201	86	17.7	279.1	10.5	21.9	140.8	788.0	391.9	1 155.6	42.1	15.8	520.5
3811	Engineering and scientific instruments ---	E1	34	11	0.8	10.9	0.4	0.7	4.2	27.3	11.3	38.1	0.9	(NA)	(NA)
382	Measuring and controlling devices ---	-	69	31	5.3	79.7	2.7	5.3	29.9	168.8	69.1	231.6	6.9	4.5	85.0
3829	Measuring and controlling devices, n.e.c. ---	-	24	10	1.7	25.2	1.0	1.8	10.6	50.2	19.2	67.8	1.5	(NA)	(NA)
384	Medical instruments and supplies ---	-	41	19	1.9	23.5	1.2	2.4	11.4	47.9	24.8	71.7	2.8	1.9	33.0
39	Miscellaneous manufacturing industries ---	-	78	18	2.3	27.4	1.7	3.4	14.8	64.1	37.7	99.0	(D)	1.7	28.3
399	Miscellaneous manufactures ---	-	41	8	1.6	19.9	1.2	2.4	10.8	44.6	18.8	62.2	1.5	0.8	12.8
--	Administrative and auxiliary ---	-	101	57	19.8	407.0	-	-	-	-	-	-	-	(NA)	(NA)
	Norfolk County -----	E	960	313	54.9	738.0	34.3	67.6	390.9	1 525.6	1 341.3	2 838.6	(D)	48.7	782.6
20	Food and kindred products ---	-	56	17	1.8	21.2	1.0	1.9	10.0	63.2	129.0	192.4	2.8	1.8	38.6
208	Beverages ---	-	13	6	0.7	8.3	0.4	0.7	3.2	18.0	36.2	54.0	1.2	0.5	15.5
2086	Bottled and canned soft drinks ---	-	7	4	0.5	5.1	0.3	0.4	2.0	10.7	28.8	39.4	(D)	(NA)	(NA)

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

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SIC code	County and industry	1977											1972		
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Norfolk County—Con.														
22	Textile mill products -----	-	21	14	1.7	18.5	1.4	2.9	13.4	36.2	44.0	80.0	2.3	2.0	34.3
229	Miscellaneous textile goods -----	-	10	9	1.1	12.6	0.8	1.8	9.3	19.6	35.2	54.7	(D)	1.4	23.2
23	Apparel and other textile products -----	-	30	10	1.2	13.7	0.6	1.0	4.1	53.5	108.6	158.4	1.3	1.0	9.7
24	Lumber and wood products --	E1	34	9	0.6	5.6	0.4	0.8	3.7	10.1	13.0	23.0	(D)	0.7	10.5
26	Paper and allied products ---	-	25	15	1.9	20.8	1.5	2.6	14.1	39.0	54.8	93.7	2.8	1.5	22.1
265	Paperboard containers and boxes -----	-	10	9	1.0	11.3	0.7	1.4	7.3	19.6	30.8	50.5	0.7	0.8	12.9
2653	Corrugated and solid fiber boxes -----	-	6	5	0.7	8.0	0.5	0.9	5.1	13.8	24.2	38.0	(D)	(NA)	(NA)
27	Printing and publishing -----	E1	142	23	3.0	38.2	1.7	3.1	19.8	63.3	29.8	92.6	2.4	3.1	52.1
2711	Newspapers -----	-	17	3	0.7	8.3	0.3	0.6	4.1	13.9	3.2	17.1	(D)	(NA)	(NA)
273	Books -----	-	14	6	0.5	7.2	0.4	0.7	5.1	11.2	6.1	17.4	0.3	(NA)	(NA)
275	Commercial printing -----	E3	76	8	0.6	8.3	0.5	0.9	5.6	14.8	9.0	23.7	0.9	0.6	8.9
28	Chemicals and allied products -----	-	36	9	0.8	12.5	0.5	1.1	7.3	65.5	71.1	135.8	(D)	0.8	42.8
30	Rubber and miscellaneous plastics products -----	-	35	18	2.6	32.7	1.7	3.4	19.2	72.4	81.1	153.5	2.7	3.0	54.7
3079	Miscellaneous plastics products -----	-	26	14	1.8	21.4	1.1	2.2	11.5	41.0	62.1	103.6	2.1	(NA)	(NA)
32	Stone, clay, and glass products -----	-	29	10	1.0	10.1	0.5	1.1	5.2	25.6	28.4	50.8	2.1	0.8	15.8
33	Primary metal industries ----	-	23	11	1.3	17.1	1.1	2.3	12.7	37.6	89.7	126.7	1.6	0.5	9.2
34	Fabricated metal products ---	-	114	33	3.7	52.7	2.5	4.9	30.0	97.0	79.9	174.2	6.4	3.6	66.9
344	Fabricated structural metal products -----	E2	41	10	0.7	9.0	0.5	0.9	5.4	15.2	21.4	36.2	1.0	0.8	18.7
349	Miscellaneous fabricated metal products -----	-	22	8	1.9	29.6	1.2	2.2	15.3	52.7	27.9	78.4	3.8	1.3	20.6
35	Machinery, except electrical --	-	150	50	7.1	102.9	3.9	8.0	50.2	225.4	139.1	366.0	16.4	4.2	82.6
355	Special industry machinery -	-	22	8	2.0	32.4	1.1	2.2	15.7	68.3	34.0	100.5	2.8	1.5	28.1
356	General industrial machinery -----	-	23	7	1.1	16.5	0.7	1.4	9.1	43.0	28.9	71.4	2.1	1.0	22.1
359	Miscellaneous machinery, except electrical -----	E1	58	15	0.9	11.5	0.7	1.4	7.9	18.1	7.7	25.5	1.4	0.8	13.5
3599	Machinery, except electrical, n.e.c. -----	E1	58	15	0.9	11.5	0.7	1.4	7.9	18.1	7.7	25.5	1.4	(NA)	(NA)
36	Electric and electronic equipment -----	-	77	32	8.3	113.2	5.9	11.5	74.4	231.6	116.9	346.4	7.2	6.2	114.7
361	Electric distributing equipment -----	-	9	5	1.1	11.6	0.8	1.5	6.4	23.4	18.3	41.8	0.3	0.8	11.1
364	Electric lighting and wiring equipment -----	-	13	4	0.7	7.5	0.5	0.9	4.2	13.9	16.8	30.9	0.9	(NA)	(NA)
366	Communication equipment -	-	10	7	3.3	55.4	2.4	4.7	40.8	115.7	30.6	145.5	(D)	2.8	61.4
3662	Radio and TV communication equipment -----	-	10	7	3.3	55.4	2.4	4.7	40.8	115.7	30.6	145.5	(D)	(NA)	(NA)
367	Electronic components and accessories -----	E1	29	10	2.2	27.0	1.7	3.2	17.7	47.6	24.7	71.7	2.4	1.8	30.7
3679	Electronic components, n.e.c. -----	E1	22	9	1.4	16.7	0.9	1.8	8.5	30.7	18.7	48.8	1.9	(NA)	(NA)
38	Instruments and related products -----	-	57	23	11.0	160.4	6.2	12.4	71.4	295.7	200.2	480.3	20.9	7.8	122.6
39	Miscellaneous manufacturing industries -----	E1	44	12	1.4	13.7	1.1	2.0	8.7	27.2	18.8	45.5	0.7	1.3	15.8
399	Miscellaneous manufactures -----	E2	21	7	0.6	6.3	0.5	0.9	3.9	12.9	8.2	20.5	0.3	0.6	8.5
--	Administrative and auxiliary --	-	33	14	2.0	32.1	-	-	-	-	-	-	-	(NA)	(NA)
	Plymouth County -----	-	599	202	19.2	205.0	14.3	27.1	127.5	437.4	382.6	809.4	(D)	19.5	262.6
20	Food and kindred products --	E1	35	12	0.7	9.0	0.5	1.1	5.7	30.2	49.5	79.6	1.4	1.0	22.2
23	Apparel and other textile products -----	-	37	25	1.8	14.6	1.5	2.4	10.6	25.1	43.6	68.6	0.7	1.3	15.7
233	Women's and misses' outerwear -----	-	22	17	1.3	10.7	1.0	1.6	7.6	18.4	37.4	55.9	(D)	0.9	11.7
2339	Women's and misses' outerwear, n.e.c. -----	-	7	6	0.5	4.3	0.4	0.7	3.0	6.1	20.8	26.5	0.4	(NA)	(NA)
24	Lumber and wood products --	E2	45	8	0.7	7.0	0.6	1.1	4.4	13.8	13.9	27.8	(D)	0.8	9.6
27	Printing and publishing -----	E1	79	21	2.5	29.6	1.9	3.8	20.5	54.2	32.0	85.2	6.5	1.8	29.5
275	Commercial printing -----	E1	42	9	0.8	9.6	0.6	1.1	6.6	18.4	17.6	35.7	1.5	0.5	7.8
2752	Commercial printing, lithographic -----	E1	17	7	0.5	6.2	0.4	0.7	4.2	12.2	10.0	21.8	1.1	(NA)	(NA)

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code		County and industry		1977										1972		
				All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
				Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
		E ¹														
Plymouth County—Con.																
30	Rubber and miscellaneous plastics products -----	E2	30	12	0.7	7.3	0.6	1.1	4.3	13.3	12.1	25.4	1.1	0.7	9.8	
3079	Miscellaneous plastics products -----	E3	24	10	0.7	6.6	0.5	1.0	3.8	11.8	9.1	20.9	(D)	(NA)	(NA)	
31	Leather and leather products -----	E1	39	22	2.5	20.2	2.1	3.8	14.7	48.3	47.4	94.2	0.6	2.7	35.1	
3131	Boot and shoe cut stock and findings -----	E1	16	9	0.5	3.8	0.4	0.7	2.8	6.6	11.9	18.3	0.1	(NA)	(NA)	
314	Footwear, except rubber -----	E2	11	8	1.7	13.2	1.4	2.4	9.4	33.9	24.0	56.6	0.3	1.9	24.9	
32	Stone, clay, and glass products -----	-	26	7	0.6	6.5	0.4	0.9	3.9	10.4	10.1	20.3	0.4	1.3	20.2	
33	Primary metal industries -----	-	12	8	0.6	7.2	0.5	1.0	6.0	16.5	10.8	27.2	0.5	0.6	8.9	
34	Fabricated metal products -----	E2	64	25	1.5	17.1	1.2	2.4	12.0	28.2	22.2	50.8	1.8	1.2	15.4	
35	Machinery, except electrical -----	E1	79	18	1.6	19.4	1.1	2.1	11.8	39.8	23.1	62.8	2.8	2.8	38.4	
356	General industrial machinery -----	-	11	5	0.6	6.9	0.4	0.7	3.7	14.3	9.6	23.7	(D)	(NA)	(NA)	
36	Electric and electronic equipment -----	E1	35	13	1.8	17.4	1.3	2.6	10.1	32.7	19.4	50.9	1.4	1.0	10.2	
366	Communication equipment -----	E1	6	3	0.5	5.8	0.4	0.7	2.8	11.1	6.2	17.0	(D)	(NA)	(NA)	
3662	Radio and TV communication equipment -----	E1	6	3	0.5	5.8	0.4	0.7	2.8	11.1	6.2	17.0	(D)	(NA)	(NA)	
367	Electronic components and accessories -----	-	10	4	0.6	4.5	0.5	0.9	3.0	8.8	5.3	13.7	0.2	(NA)	(NA)	
37	Transportation equipment -----	-	22	4	0.5	6.7	0.4	0.9	4.6	11.1	9.8	20.3	0.4	0.6	7.4	
38	Instruments and related products -----	-	19	6	1.4	14.6	1.0	1.9	9.9	62.8	29.4	91.5	(D)	(NA)	(NA)	
39	Miscellaneous manufacturing industries -----	-	28	6	0.5	5.1	0.4	0.7	3.2	11.6	8.6	20.1	0.2	0.5	8.3	
-	Administrative and auxiliary -----	-	13	5	0.7	11.1	-	-	-	-	-	-	-	(NA)	(NA)	
Suffolk County -----			-	1 310	457	54.7	693.2	35.2	66.2	350.9	1 560.0	1 472.5	3 015.6	78.0	52.9	1 220.7
20	Food and kindred products -----	-	106	47	7.0	86.1	5.2	10.6	57.5	201.5	579.5	782.3	10.2	9.8	200.0	
201	Meat products -----	E1	15	7	1.3	21.1	1.0	2.1	15.6	39.3	137.6	178.5	(D)	2.1	40.6	
205	Bakery products -----	-	14	6	0.9	10.7	0.7	1.2	7.9	22.3	24.4	46.4	1.2	1.3	21.6	
2051	Bread, cake, and related products -----	-	14	6	0.9	10.7	0.7	1.2	7.9	22.3	24.4	46.4	1.2	(NA)	(NA)	
206	Sugar and confectionery products -----	-	11	8	1.9	19.3	1.5	2.9	13.8	55.0	123.6	181.0	(D)	2.6	42.1	
208	Beverages -----	-	7	5	0.7	9.0	0.4	0.8	3.8	22.8	41.9	65.1	(D)	0.9	20.1	
209	Miscellaneous foods and kindred products -----	E1	38	13	1.2	12.1	0.9	2.0	7.3	38.1	130.6	168.5	1.5	1.1	30.0	
2092	Fresh or frozen packaged fish -----	E1	22	10	0.9	7.9	0.6	1.6	5.1	25.5	86.7	112.1	1.0	(NA)	(NA)	
225	Knitting mills -----	E1	7	6	0.6	4.7	0.5	0.9	3.5	7.0	6.9	13.9	(D)	(NA)	(NA)	
23	Apparel and other textile products -----	E1	240	119	8.0	64.4	6.5	11.4	43.3	142.3	165.4	305.8	(D)	9.6	108.0	
2311	Men's and boys' suits and coats -----	-	22	9	0.7	6.2	0.6	1.1	4.1	16.5	20.4	36.2	(D)	(NA)	(NA)	
2335	Women's and misses' dresses -----	E4	42	18	1.4	9.7	1.2	2.2	7.8	17.1	9.7	26.7	(D)	(NA)	(NA)	
2339	Women's and misses' outerwear, n.e.c. -----	E1	20	14	1.1	9.5	0.7	1.1	5.0	19.5	39.4	59.4	(D)	(NA)	(NA)	
238	Miscellaneous apparel and accessories -----	E1	15	10	0.6	4.8	0.5	0.8	3.5	8.2	7.4	15.2	(D)	0.6	8.2	
239	Miscellaneous fabricated textile products -----	E2	57	25	1.3	10.6	1.1	2.0	6.8	18.4	26.6	45.1	(D)	2.1	19.2	
24	Lumber and wood products -----	-	24	4	0.8	7.2	0.7	1.3	4.5	14.7	17.0	30.9	(D)	(NA)	(NA)	
265	Paperboard containers and boxes -----	E1	16	7	0.9	8.8	0.8	1.3	6.1	17.8	16.6	34.2	0.8	(NA)	(NA)	
2654	Sanitary food containers -----	-	3	3	0.7	6.0	0.6	0.9	4.3	13.0	11.0	23.7	(D)	(NA)	(NA)	
27	Printing and publishing -----	-	339	88	12.3	180.9	5.7	10.4	73.4	441.8	204.8	646.7	13.4	14.2	295.4	
2711	Newspapers -----	-	31	4	4.7	78.0	1.7	2.9	29.1	160.4	51.4	211.7	(D)	(NA)	(NA)	
2731	Book publishing -----	-	22	10	1.8	25.8	0.1	0.2	1.1	124.8	70.1	195.8	(D)	(NA)	(NA)	
275	Commercial printing -----	E1	182	43	3.5	45.9	2.7	5.1	29.7	82.8	43.6	126.1	5.4	4.1	64.5	
2751	Commercial printing, letterpress -----	E3	101	13	1.0	13.4	0.7	1.4	8.6	22.0	12.4	34.3	1.3	(NA)	(NA)	
2752	Commercial printing, lithographic -----	-	72	28	2.4	31.0	1.9	3.5	19.9	57.9	30.1	87.8	4.1	(NA)	(NA)	
278	Blankbooks and bookbinding -----	-	19	8	0.5	5.6	0.5	0.8	4.0	8.4	2.9	11.4	(D)	0.5	7.2	
28	Chemicals and allied products -----	E1	30	10	1.4	19.6	0.9	1.9	9.9	64.4	43.7	106.3	(D)	1.2	36.0	
30	Rubber and miscellaneous plastics products -----	E1	28	11	1.4	11.8	1.0	2.0	7.1	25.5	26.4	51.6	2.5	1.5	21.6	
3069	Fabricated rubber products, n.e.c. -----	-	8	4	0.8	6.6	0.6	1.1	3.5	15.8	16.5	32.3	0.4	(NA)	(NA)	
3079	Miscellaneous plastics products -----	E3	20	7	0.6	5.2	0.5	0.9	3.6	9.7	9.9	19.3	2.1	(NA)	(NA)	

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Suffolk County—Con.														
31	Leather and leather products -----	E2	40	16	1.7	17.4	1.3	2.4	10.8	19.2	51.9	69.2	1.7	2.6	30.5
314	Footwear, except rubber ---	E1	7	4	1.0	11.1	0.7	1.4	7.0	5.3	22.1	25.6	(D)	1.9	17.7
34	Fabricated metal products ---	-	86	26	4.0	50.1	3.3	5.9	37.4	209.1	76.2	292.2	8.8	4.2	145.9
356	General industrial machinery -----	E1	13	4	1.0	17.0	0.7	1.5	9.2	37.0	24.9	59.7	0.9	1.0	18.5
36	Electric and electronic equipment -----	E1	50	19	2.2	23.6	1.7	3.2	14.1	52.9	37.6	87.5	(D)	2.7	40.6
364	Electric lighting and wiring equipment -----	E1	7	3	0.5	6.3	0.4	0.8	4.1	13.8	8.8	21.5	(D)	0.6	8.1
369	Miscellaneous electrical equipment and supplies --	-	8	5	0.9	9.5	0.7	1.4	5.4	24.6	20.8	43.4	(D)	1.0	16.7
38	Instruments and related products -----	-	30	10	1.7	23.0	0.9	1.6	7.5	50.5	30.0	79.6	2.0	1.6	47.6
399	Miscellaneous manufactures -----	-	34	9	0.7	7.4	0.5	1.0	4.6	15.2	11.4	26.6	1.7	1.2	16.7
--	Administrative and auxiliary --	-	39	24	4.1	81.6	-	-	-	-	-	-	-	(NA)	(NA)
	Worcester County-----	-	1 505	590	89.2	1 109.1	61.8	123.0	647.8	2 585.3	1 866.1	4 359.2	181.0	89.9	1 432.0
20	Food and kindred products --	E1	58	16	2.2	27.3	1.0	2.1	9.8	69.0	131.4	200.2	3.6	2.6	47.6
22	Textile mill products -----	-	62	33	4.7	44.3	3.9	7.7	33.4	83.1	80.7	161.4	2.7	5.4	70.0
2231	Weaving and finishing mills, wool -----	-	9	8	1.1	9.2	0.9	1.8	7.5	18.6	15.1	33.6	(D)	(NA)	(NA)
228	Yarn and thread mills -----	-	12	10	1.4	12.4	1.1	2.2	8.4	21.5	21.6	41.4	0.9	0.8	6.8
2281	Yarn mills, except wool --	-	5	4	0.6	4.8	0.5	1.1	4.1	8.3	11.1	18.5	(D)	(NA)	(NA)
229	Miscellaneous textile goods -----	-	19	7	0.6	6.6	0.5	1.0	4.5	12.2	15.6	27.6	0.3	1.2	22.4
23	Apparel and other textile products -----	-	53	31	2.8	22.2	2.1	3.6	13.1	44.7	36.1	80.2	0.7	3.3	37.1
233	Women's and misses' outerwear -----	E2	17	12	0.5	3.9	0.5	0.6	2.8	7.3	4.4	11.6	(D)	0.8	6.6
24	Lumber and wood products --	E2	65	12	0.8	6.9	0.7	1.3	5.1	13.0	11.4	24.3	0.7	1.0	10.5
25	Furniture and fixtures -----	-	82	40	4.2	41.5	3.0	5.7	25.0	76.9	69.3	145.5	3.5	5.0	60.6
251	Household furniture -----	-	67	37	3.5	32.0	2.8	5.3	21.8	57.8	57.3	114.9	(D)	(NA)	(NA)
2511	Wood household furniture -----	-	40	20	2.2	19.7	1.8	3.4	14.2	37.8	35.9	73.3	1.1	(NA)	(NA)
2512	Upholstered household furniture -----	-	17	12	1.0	10.2	0.7	1.4	6.1	15.7	14.9	30.9	(D)	(NA)	(NA)
26	Paper and allied products ---	-	46	27	3.6	50.4	2.8	5.9	34.9	97.6	146.9	243.0	7.3	4.2	66.2
2621	Paper mills, except building paper -----	-	8	7	1.4	24.7	1.1	2.6	18.3	46.7	84.0	130.2	3.3	(NA)	(NA)
264	Miscellaneous converted paper products -----	-	20	10	1.2	13.8	0.9	1.8	9.3	24.0	27.2	50.6	1.3	1.8	25.8
265	Paperboard containers and boxes -----	-	18	10	1.1	12.0	0.8	1.5	7.3	26.8	35.7	62.2	2.7	(NA)	(NA)
27	Printing and publishing -----	-	129	26	2.8	33.6	1.8	3.1	19.3	62.1	26.6	89.3	3.4	4.5	62.2
2711	Newspapers -----	-	24	7	1.3	15.7	0.6	1.0	6.3	26.9	7.9	34.8	1.9	(NA)	(NA)
275	Commercial printing -----	E1	76	11	1.0	11.1	0.7	1.4	7.7	17.0	13.9	31.0	0.9	0.9	12.1
2752	Commercial printing, lithographic -----	-	38	8	0.6	7.4	0.4	0.9	5.0	10.5	9.2	19.9	0.6	(NA)	(NA)
28	Chemicals and allied products -----	-	37	16	2.7	37.9	1.4	2.8	14.8	76.0	136.4	213.3	6.8	2.5	53.3
282	Plastics materials and synthetics -----	-	10	9	1.5	22.4	0.8	1.6	9.0	34.6	109.5	145.5	4.5	1.6	33.1
2821	Plastics materials and resins -----	-	10	9	1.5	22.4	0.8	1.6	9.0	34.6	109.5	145.5	4.5	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	-	149	77	6.6	66.0	5.3	10.3	43.5	145.1	180.8	325.0	19.1	6.0	89.0
3079	Miscellaneous plastics products -----	E1	144	74	6.1	60.0	5.0	9.6	39.6	130.5	169.1	298.7	18.6	(NA)	(NA)
31	Leather and leather products -----	-	24	17	3.0	26.6	2.6	4.9	18.5	47.9	49.3	96.7	0.7	4.1	36.5
314	Footwear, except rubber ---	-	11	11	2.4	19.7	2.1	3.9	13.9	36.2	36.5	71.9	0.7	3.6	28.3
3143	Men's footwear, except athletic -----	-	6	6	1.6	13.9	1.4	2.7	9.4	27.7	27.4	54.4	(D)	(NA)	(NA)
32	Stone, clay, and glass products -----	-	59	17	6.5	98.3	4.1	7.7	52.5	195.3	155.8	349.3	23.2	5.8	128.4
33	Primary metal industries -----	-	51	30	3.8	51.9	3.0	5.8	36.9	105.2	118.4	229.8	8.5	4.8	79.6
331	Blast furnace and basic steel products -----	-	12	10	1.5	22.3	1.2	2.4	16.8	42.5	42.5	84.3	1.4	1.7	31.5
332	Iron and steel foundries ---	E1	9	6	0.5	7.2	0.4	0.8	5.2	12.0	6.3	18.3	0.4	1.0	13.1
335	Nonferrous rolling and drawing -----	-	14	10	1.5	19.0	1.1	2.2	12.5	42.9	62.3	112.1	6.4	1.7	29.7

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies.
For explanation of terms, see appendix B]

1977														1972	
SIC code	County and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
Worcester County—Con.															
34	Fabricated metal products ---	-	202	85	11.0	147.4	8.1	16.2	93.3	313.6	245.2	545.5	22.3	11.8	199.4
342	Cutlery, hand tools, and hardware ---	-	28	17	2.8	35.0	2.1	4.3	23.0	74.9	51.8	125.9	4.8	3.7	60.2
3423	Hand and edge tools, n.e.c. ---	-	16	8	1.1	12.5	0.9	1.7	7.9	28.1	15.0	41.7	2.2	(NA)	(NA)
344	Fabricated structural metal products ---	E1	43	17	1.1	13.6	0.8	1.6	9.1	22.9	17.7	40.4	1.0	1.1	19.6
3443	Fabricated plate work (boiler shops) ---	-	12	9	0.5	6.9	0.4	0.7	4.5	12.2	10.1	22.2	0.7	(NA)	(NA)
345	Screw machine products, bolts, etc. ---	-	23	11	1.3	14.6	1.0	2.0	9.3	26.4	20.5	45.7	2.6	1.3	19.4
346	Metal forgings and stampings ---	-	29	12	2.2	36.6	1.5	3.0	21.7	83.1	77.1	151.9	(D)	2.9	49.2
349	Miscellaneous fabricated metal products ---	E2	42	20	2.9	41.0	2.1	4.1	24.8	91.0	70.2	158.2	3.0	2.2	41.7
3499	Fabricated metal products, n.e.c. ---	-	16	6	0.5	6.7	0.4	0.9	5.1	11.5	8.0	19.2	0.7	(NA)	(NA)
35	Machinery, except electrical ---	-	282	83	21.3	295.7	14.2	30.6	174.0	1 016.0	306.2	1 249.4	60.0	16.0	317.7
354	Metalworking machinery ---	-	119	41	7.3	108.9	5.2	10.9	67.6	201.9	89.4	285.4	6.7	6.5	125.2
3541	Machine tools, metal cutting types ---	-	12	5	1.7	28.7	1.1	2.2	15.4	50.1	23.3	70.1	1.7	(NA)	(NA)
3544	Special dies, tools, jigs, and fixtures ---	E1	82	23	1.5	21.0	1.2	2.6	15.7	31.7	12.3	43.6	1.7	(NA)	(NA)
3545	Machine tool accessories ---	-	14	8	3.0	39.7	2.2	4.7	28.0	80.5	34.8	114.6	(D)	(NA)	(NA)
355	Special industry machinery ---	-	44	14	3.1	38.3	2.2	4.4	25.4	74.1	56.0	128.8	(D)	4.8	74.4
3552	Textile machinery ---	-	18	5	2.2	25.5	1.6	3.2	18.3	47.2	40.0	86.5	0.8	(NA)	(NA)
356	General industrial machinery ---	-	27	9	1.3	17.2	0.8	1.7	10.3	40.3	23.5	61.5	4.5	1.0	16.6
3599	Machinery, except electrical, n.e.c. ---	E3	71	7	0.6	7.2	0.5	0.9	5.1	13.2	4.7	17.5	1.1	(NA)	(NA)
36	Electric and electronic equipment ---	-	38	16	2.2	21.4	1.6	3.1	13.0	48.5	32.5	79.5	2.3	1.7	24.2
364	Electric lighting and wiring equipment ---	-	6	4	0.5	4.1	0.4	0.7	3.0	11.9	11.3	23.0	(D)	0.5	10.8
367	Electronic components and accessories ---	E1	16	6	1.0	10.7	0.8	1.6	6.5	19.3	11.1	29.0	1.7	0.8	8.7
37	Transportation equipment ---	E1	17	3	0.5	6.6	0.4	0.8	4.9	10.3	17.4	27.8	0.2	(NA)	(NA)
371	Motor vehicles and equipment ---	E1	12	3	0.5	6.5	0.4	0.8	4.8	10.1	17.1	27.3	0.2	(NA)	(NA)
38	Instruments and related products ---	-	37	21	6.4	81.5	4.2	8.2	43.5	136.5	73.5	207.5	12.0	6.1	107.6
384	Medical instruments and supplies ---	-	7	5	0.5	5.9	0.3	0.7	3.0	9.9	4.4	13.4	(D)	(NA)	(NA)
3851	Ophthalmic goods ---	-	8	6	5.0	62.3	3.4	6.7	36.4	94.3	52.5	146.3	7.6	(NA)	(NA)
39	Miscellaneous manufacturing industries ---	E1	82	26	1.9	16.0	1.4	2.5	9.1	33.3	30.4	62.7	1.7	2.7	34.4
394	Toys and sporting goods ---	E1	25	9	0.9	7.7	0.7	1.3	4.3	16.9	14.7	31.6	0.6	(NA)	(NA)
3944	Games, toys, and children's vehicles ---	-	14	6	0.8	6.9	0.6	1.2	3.7	15.2	12.8	28.0	0.5	(NA)	(NA)
399	Miscellaneous manufactures ---	E1	41	14	0.8	6.6	0.5	0.8	3.7	13.1	13.6	25.7	(D)	1.2	16.7
--	Administrative and auxiliary ---	-	22	10	1.9	28.3	-	-	-	-	-	-	-	(NA)	(NA)

Note: "County" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities and Towns: 1977 and 1972

[Includes cities and towns with 450 employees or more and industry groups and industries with 450 employees or more within cities and towns, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City, town, and industry	1977												1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)	
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)							
35	Abington town -----	-	24	12	0.5	5.8	0.4	0.8	3.5	11.9	11.4	23.1	0.5	0.6	6.3	
	Acton town -----	-	49	14	1.1	14.3	0.7	1.3	7.9	30.3	42.3	71.7	2.6	1.4	36.9	
	Acushnet town -----	-	14	2	1.1	10.6	0.8	1.4	7.3	22.2	16.1	36.4	(D)	(D)	(D)	
	Agawam town -----	-	56	19	2.3	29.0	1.8	3.3	17.1	43.2	56.0	99.3	2.2	2.2	41.3	
	Machinery, except electrical --	-	20	8	0.5	7.8	0.4	0.7	4.8	11.7	9.0	20.3	0.7	0.5	7.5	
	Amesbury town -----	-	46	15	1.5	15.1	1.0	2.0	8.8	33.2	22.2	53.9	3.8	1.4	19.4	
	Andover town -----	-	65	24	8.0	107.1	5.8	11.3	62.6	324.2	191.3	525.4	6.4	6.7	174.1	
	Ashland town -----	-	26	4	2.0	26.1	1.5	3.0	16.0	53.9	26.0	79.9	1.7	2.5	40.0	
	Athol town -----	-	21	11	2.7	32.5	2.1	4.4	23.5	60.9	26.0	85.4	2.1	2.4	37.2	
	Attleboro -----	-	170	72	15.7	188.5	12.2	24.0	124.6	357.6	448.2	807.7	31.0	15.1	232.8	
34	Fabricated metal products ---	E1	40	12	0.9	9.7	0.8	1.6	6.8	17.2	15.6	32.2	0.7	0.9	10.1	
35	Machinery, except electrical --	-	16	2	0.5	5.9	0.3	0.6	3.2	12.6	5.5	17.3	0.6	0.5	8.1	
39	Miscellaneous manufacturing industries -----	-	58	31	5.7	67.2	3.8	7.3	31.6	136.2	105.0	242.8	3.0	6.3	85.2	
391	Jewelry, silverware, and plated ware -----	-	37	22	4.0	46.0	2.5	4.9	21.6	83.2	76.9	161.3	2.5	(NA)	(NA)	
3911	Jewelry, precious metal --	-	24	14	3.2	38.5	1.8	3.7	16.0	66.6	44.3	112.1	1.5	(NA)	(NA)	
396	Costume jewelry and notions -----	-	15	8	1.6	20.7	1.3	2.3	9.7	52.4	27.8	80.5	0.5	(NA)	(NA)	
	Auburn town -----	-	26	10	0.9	13.1	0.7	1.5	7.9	29.6	24.6	53.8	6.3	1.2	24.9	
	Avon town -----	-	40	23	1.7	19.1	1.2	2.3	11.3	39.4	32.5	71.4	(D)	1.1	16.3	
	Ayer town -----	-	20	8	0.5	5.5	0.3	0.5	2.6	9.9	18.7	28.8	0.7	(NA)	(NA)	
	Barnstable town -----	-	47	9	1.2	12.8	0.7	1.3	6.1	28.1	14.8	41.5	(D)	0.9	11.2	
	Bedford town -----	-	52	30	8.9	154.2	2.5	4.8	27.0	155.1	101.0	252.8	10.4	6.9	51.8	
	35	Machinery, except electrical --	-	13	8	2.2	35.4	0.8	1.4	9.4	68.2	37.7	105.1	5.4	0.6	19.6
	357	Office and computing machines -----	-	9	5	1.1	15.2	0.4	0.6	3.8	34.6	23.8	58.7	(D)	(NA)	(NA)
	36	Electric and electronic equipment -----	-	11	7	1.7	22.2	0.9	1.8	8.3	48.9	34.7	82.2	2.7	(NA)	(NA)
	38	Instruments and related products -----	-	10	5	0.8	11.1	0.5	0.9	5.8	23.9	16.1	39.2	0.7	0.7	10.8
		Beverly -----	-	63	15	2.8	37.1	1.5	2.9	18.1	69.2	34.2	103.2	2.0	3.3	61.3
35	Billerica town -----	-	59	26	4.1	63.3	1.6	3.1	14.6	60.6	52.4	113.3	5.2	3.2	23.0	
	Machinery, except electrical --	-	12	6	0.6	7.7	0.4	0.7	3.5	18.1	11.0	29.6	(D)	(NA)	(NA)	
	Boston -----	-	1 220	418	50.9	657.7	32.2	60.6	328.2	1 473.3	1 371.5	2 829.0	71.2	59.0	1 146.6	
	2013	Sausages and other prepared meats -----	E1	9	5	1.0	16.8	0.8	1.7	12.5	26.2	114.7	142.7	(D)	(NA)	(NA)
	205	Bakery products -----	-	14	6	0.9	10.7	0.7	1.2	7.9	22.3	24.4	46.4	1.2	(NA)	(NA)
	2051	Bread, cake, and related products -----	-	14	6	0.9	10.7	0.7	1.2	7.9	22.3	24.4	46.4	1.2	(NA)	(NA)
	208	Beverages -----	-	7	5	0.7	9.0	0.4	0.8	3.8	22.8	41.9	65.1	(D)	(NA)	(NA)
	209	Miscellaneous foods and kindred products -----	E1	38	13	1.2	12.1	0.9	2.0	7.3	38.1	130.6	168.5	1.5	(NA)	(NA)
	2092	Fresh or frozen packaged fish -----	E1	22	10	0.9	7.9	0.6	1.6	5.1	25.5	86.7	112.1	1.0	(NA)	(NA)
	22	Textile mill products -----	E1	22	8	1.2	10.4	1.0	2.0	7.8	17.2	19.5	36.8	1.2	(NA)	(NA)
2335	Women's and misses' dresses -----	E4	42	18	1.4	9.7	1.2	2.2	7.8	17.1	9.7	26.7	(D)	(NA)	(NA)	
2339	Women's and misses' outerwear, n.e.c. -----	E1	20	14	1.1	9.5	0.7	1.1	5.0	19.5	39.4	59.4	(D)	(NA)	(NA)	
239	Miscellaneous fabricated textile products -----	E2	52	21	1.2	9.4	1.0	1.8	6.1	15.7	21.6	37.3	(D)	(NA)	(NA)	
24	Lumber and wood products --	-	20	3	0.8	6.9	0.7	1.2	4.3	14.4	16.6	30.1	(D)	(NA)	(NA)	
25	Furniture and fixtures -----	E1	34	7	0.6	7.3	0.5	0.9	5.4	12.5	10.7	23.1	0.3	(NA)	(NA)	
26	Paper and allied products ---	E1	26	8	0.8	11.5	0.6	1.4	7.7	19.5	31.2	50.0	1.8	(NA)	(NA)	
27	Printing and publishing -----	-	325	86	12.2	179.5	5.7	10.3	72.5	439.4	203.3	642.9	13.1	(NA)	(NA)	
2711	Newspapers -----	-	26	4	4.6	77.7	1.7	2.9	29.0	159.8	51.0	210.8	(D)	(NA)	(NA)	
2731	Book publishing -----	-	22	10	1.8	25.8	0.1	0.2	1.1	124.8	70.1	195.8	(D)	(NA)	(NA)	
275	Commercial printing -----	E1	173	41	3.4	44.8	2.7	5.0	28.9	81.0	42.5	123.2	(D)	(NA)	(NA)	
2751	Commercial printing, letterpress -----	E3	97	13	1.0	13.3	0.7	1.4	8.6	21.9	12.3	34.1	1.2	(NA)	(NA)	
278	Blankbooks and bookbinding -----	-	19	8	0.5	5.6	0.5	0.8	4.0	8.4	2.9	11.4	(D)	(NA)	(NA)	
31	Leather and leather products -----	E3	36	13	1.5	15.7	1.2	2.1	9.6	15.5	46.6	60.0	(D)	(NA)	(NA)	
314	Footwear, except rubber ---	E1	7	4	1.0	11.1	0.7	1.4	7.0	5.3	22.1	25.6	(D)	(NA)	(NA)	
36	Electric and electronic equipment -----	E1	46	16	2.0	21.7	1.6	3.0	13.0	49.3	36.2	82.4	(D)	(NA)	(NA)	
364	Electric lighting and wiring equipment -----	E1	7	3	0.5	6.3	0.4	0.8	4.1	13.8	8.8	21.5	(D)	(NA)	(NA)	
399	Miscellaneous manufactures -----	-	34	9	0.7	7.4	0.5	1.0	4.6	15.2	11.4	26.6	1.7	(NA)	(NA)	
--	Administrative and auxiliary --	-	39	24	4.1	81.6	-	-	-	-	-	-	-	(NA)	(NA)	

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities and Towns: 1977 and 1972—Con.

[Includes cities and towns with 450 employees or more and industry groups and industries with 450 employees or more within cities and towns, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

individual companies. For explanation of terms, see appendix B]

SIC code	City, town, and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Braintree town -----	-	68	26	4.3	56.3	2.8	5.4	31.2	141.2	186.3	323.7	5.2	4.1	72.8
34	Fabricated metal products ---	-	13	2	0.6	8.0	0.4	0.9	5.4	13.1	9.6	21.8	(D)	0.5	9.4
36	Electric and electronic equipment -----	-	9	5	1.2	13.5	0.8	1.6	7.3	25.8	16.6	42.7	0.6	(NA)	(NA)
	Bridgewater town -----	-	18	8	1.1	9.0	0.9	1.7	6.5	17.9	16.9	33.9	0.5	1.4	15.5
	Brockton -----	-	168	74	6.4	62.4	4.6	8.1	37.8	136.5	156.6	287.9	5.1	6.7	93.4
	Burlington town -----	-	98	49	8.5	125.6	5.0	9.8	61.0	247.0	110.4	352.4	22.1	6.9	130.0
35	Machinery, except electrical --	-	22	14	2.5	40.5	1.0	1.8	12.0	93.1	38.2	128.5	15.4	1.1	33.1
357	Office and computing machines -----	-	10	10	2.4	38.9	0.9	1.6	11.2	89.6	35.8	122.7	14.9	(NA)	(NA)
36	Electric and electronic equipment -----	-	24	14	3.9	54.9	2.8	5.5	35.5	92.3	47.5	140.2	4.8	3.8	68.5
366	Communication equipment ---	-	10	7	3.1	46.1	2.2	4.4	30.4	73.6	37.6	111.0	(D)	(NA)	(NA)
3662	Radio and TV communication equipment -----	-	10	7	3.1	46.1	2.2	4.4	30.4	73.6	37.6	111.0	(D)	(NA)	(NA)
38	Instruments and related products -----	E1	16	8	0.7	9.7	0.4	0.9	4.8	30.9	11.4	39.7	0.8	0.6	12.9
	Cambridge -----	-	250	103	15.2	220.4	8.4	15.7	84.2	301.1	299.9	592.6	15.0	15.0	268.2
20	Food and kindred products --	-	20	7	1.4	13.8	1.1	2.0	9.2	44.0	78.5	121.3	1.2	1.4	32.8
23	Apparel and other textile products -----	-	16	8	1.1	8.3	0.9	1.7	6.3	14.6	11.5	24.6	(D)	1.0	10.8
27	Printing and publishing -----	E1	51	12	0.8	9.0	0.6	1.0	5.0	17.7	12.5	29.9	0.9	0.9	12.8
28	Chemicals and allied products -----	E3	11	5	0.6	7.9	0.3	0.6	3.7	13.5	18.5	32.4	1.9	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	-	5	3	1.1	10.2	0.7	1.3	6.8	21.8	27.2	49.9	(D)	1.5	24.8
34	Fabricated metal products ---	-	26	12	1.6	23.0	1.2	2.3	15.5	37.1	35.5	72.9	1.6	2.3	43.0
344	Fabricated structural metal products -----	-	12	7	0.5	7.3	0.4	0.7	5.4	13.0	12.6	26.8	0.5	(NA)	(NA)
36	Electric and electronic equipment -----	-	21	10	2.0	27.9	1.2	2.2	11.9	64.2	41.9	100.2	1.6	2.5	41.2
38	Instruments and related products -----	-	19	10	2.0	28.8	1.2	2.4	15.9	55.4	39.7	96.0	5.4	1.8	56.8
-	Administrative and auxiliary --	-	19	17	3.1	74.9	-	-	-	-	-	-	-	(NA)	(NA)
	Canton town -----	-	62	21	3.8	48.5	2.4	5.0	25.8	113.2	128.4	238.3	3.8	3.4	65.1
35	Machinery, except electrical --	-	13	8	0.6	9.0	0.4	0.8	4.1	18.1	12.0	28.5	0.5	(NA)	(NA)
	Chelmsford town -----	-	52	20	1.3	13.1	1.0	1.7	7.8	32.2	19.5	51.6	1.9	1.1	18.2
36	Electric and electronic equipment -----	-	13	5	0.5	4.9	0.3	0.6	2.4	11.6	4.7	16.0	(D)	(NA)	(NA)
	Chelsea -----	-	63	29	3.2	29.6	2.5	4.7	18.4	72.5	89.0	161.3	(D)	3.3	68.8
	Chicopee -----	-	97	42	7.5	92.2	5.6	11.1	63.5	223.9	173.2	403.6	8.7	8.0	159.3
35	Machinery, except electrical --	-	22	5	0.5	6.3	0.4	0.8	4.2	11.3	5.0	16.6	0.8	(NA)	(NA)
	Clinton town -----	-	45	22	2.6	26.3	2.0	3.7	18.6	68.7	64.8	133.3	5.5	4.5	63.9
30	Rubber and miscellaneous plastics products -----	E1	21	12	1.2	10.4	1.0	1.8	7.4	27.7	24.7	52.7	3.1	1.2	16.0
	Concord town -----	-	31	10	1.7	27.2	1.0	1.8	10.2	59.7	24.9	81.2	(D)	1.3	27.4
	Danvers town -----	-	70	24	3.2	41.7	2.0	3.7	19.1	79.3	64.2	142.0	2.1	3.4	52.7
	Dartmouth town -----	-	25	8	0.6	5.8	0.4	0.8	3.7	17.1	25.9	42.7	0.4	(NA)	(NA)
	Dedham town -----	-	35	18	2.6	33.7	1.4	2.6	15.2	51.9	45.1	95.9	1.7	2.7	50.9
	Dudley town -----	-	12	8	0.9	9.6	0.7	1.5	5.6	30.0	48.1	77.9	0.5	0.8	11.6
	Easthampton town -----	-	28	16	2.5	29.2	1.9	4.0	18.6	86.1	63.3	150.5	1.7	2.6	83.8
	East Longmeadow town -----	-	40	14	3.7	47.9	2.5	4.7	27.1	144.9	85.0	225.3	6.3	3.2	84.2
	Everett -----	-	87	37	4.5	65.6	3.1	5.8	39.7	139.4	116.1	252.3	6.7	4.6	88.6
28	Chemicals and allied products -----	-	6	4	0.6	9.2	0.4	0.7	5.4	29.5	34.7	63.1	(D)	0.7	24.7
35	Machinery, except electrical --	-	17	7	1.1	16.2	0.6	1.1	8.8	37.1	25.8	60.9	1.1	1.0	18.4

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities and Towns: 1977 and 1972—Con.

[Includes cities and towns with 450 employees or more and industry groups and industries with 450 employees or more within cities and towns, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City, town, and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Fall River -----	-	241	141	18.2	150.9	15.5	28.1	114.1	290.5	231.2	517.2	8.7	19.6	222.0
20	Food and kindred products --	E1	29	5	0.5	5.2	0.4	0.8	3.9	19.7	21.2	40.7	(D)	(NA)	(NA)
232	Men's and boys' furnishings -----	E2	8	6	1.4	9.5	1.3	2.5	8.3	12.6	5.1	17.8	(D)	(NA)	(NA)
233	Women's and misses' outerwear -----	E1	48	40	3.9	24.3	3.6	5.7	21.0	30.7	6.7	37.7	(D)	(NA)	(NA)
2337	Women's and misses' suits and coats -----	-	11	9	1.2	8.1	1.1	1.8	7.0	9.8	2.3	12.1	(D)	(NA)	(NA)
2391	Curtains and draperies --	-	13	9	1.3	9.2	1.0	1.9	7.0	18.3	34.5	54.3	(D)	(NA)	(NA)
27	Printing and publishing -----	-	13	3	0.6	5.0	0.4	0.6	2.5	11.1	5.4	16.6	0.3	(NA)	(NA)
31	Leather and leather products -----	E3	4	4	0.5	4.2	0.4	0.7	2.3	11.0	9.6	20.4	(D)	(NA)	(NA)
	Framingham town -----	-	82	25	9.8	146.2	5.8	14.1	89.1	440.3	697.8	1 133.0	18.3	9.7	320.5
23	Apparel and other textile products -----	-	5	4	0.5	3.4	0.4	0.8	2.5	5.2	10.2	15.3	(D)	(NA)	(NA)
27	Printing and publishing -----	-	17	3	0.6	6.9	0.3	0.7	3.9	14.3	6.0	20.2	0.7	(NA)	(NA)
	Franklin town -----	-	31	9	0.9	9.4	0.7	1.4	6.2	18.5	21.5	40.3	0.8	0.7	8.2
	Gardner -----	-	60	26	3.9	42.0	2.8	5.3	25.6	123.9	58.4	190.2	2.0	4.7	88.4
25	Furniture and fixtures -----	-	22	13	1.2	10.3	1.0	1.8	7.7	18.4	13.5	31.5	(D)	2.3	25.0
251	Household furniture -----	-	22	13	1.2	10.3	1.0	1.8	7.7	18.4	13.5	31.5	(D)	(NA)	(NA)
2511	Wood household furniture -----	-	13	7	0.9	7.9	0.7	1.4	5.9	13.8	10.0	23.5	(D)	(NA)	(NA)
34	Fabricated metal products ---	-	10	6	1.0	11.1	0.8	1.6	8.2	22.2	19.5	41.5	(D)	1.0	13.3
	Gloucester -----	-	53	28	3.5	42.1	2.5	4.9	26.2	75.6	146.2	220.1	3.6	3.0	37.9
20	Food and kindred products --	-	18	11	1.3	12.4	1.1	1.9	9.0	21.9	102.2	124.2	2.0	1.2	11.8
2092	Fresh or frozen packaged fish -----	-	15	11	1.3	12.1	1.1	1.9	8.8	21.1	101.4	122.6	1.9	(NA)	(NA)
	Grafton town -----	-	23	8	1.5	22.9	1.1	2.1	14.5	49.6	58.6	103.9	2.8	1.6	26.7
	Greenfield town -----	-	31	10	2.4	28.9	1.6	3.0	18.5	57.8	37.4	101.6	2.7	2.5	45.4
35	Machinery, except electrical --	-	8	4	1.8	21.7	1.2	2.2	14.6	43.2	29.3	79.2	2.2	(NA)	(NA)
	Hanover town -----	-	31	7	1.3	14.7	1.0	2.2	12.1	23.2	15.7	38.6	3.4	0.8	13.7
	Haverhill -----	-	138	51	4.6	42.9	3.6	6.7	28.0	88.1	93.8	180.3	20.1	4.8	60.4
30	Rubber and miscellaneous plastics products -----	-	17	7	0.7	6.6	0.6	1.1	4.6	15.0	17.3	32.1	(D)	0.6	9.4
31	Leather and leather products -----	E1	33	16	1.4	11.6	1.2	2.1	8.0	21.2	22.1	42.8	0.5	1.7	17.7
314	Footwear, except rubber ---	E1	10	6	0.6	4.0	0.5	0.9	3.0	6.1	5.3	11.4	0.1	(NA)	(NA)
36	Electric and electronic equipment -----	E1	12	4	0.5	3.4	0.3	0.5	2.1	7.2	2.4	9.4	(D)	(NA)	(NA)
	Hingham town -----	-	42	15	1.8	21.2	1.3	2.5	12.6	39.7	25.9	64.6	3.4	1.2	16.1
	Holbrook town -----	-	33	11	0.8	9.0	0.6	1.0	4.8	19.4	28.5	47.9	1.2	0.9	15.6
	Holden town -----	-	27	7	1.0	13.4	0.7	1.5	8.7	26.5	15.9	41.7	2.2	0.7	16.7
	Holliston town -----	-	41	13	0.7	8.1	0.4	0.9	4.6	15.4	12.5	27.6	1.5	0.7	9.5
	Holyoke -----	-	138	64	7.7	89.6	5.8	11.2	59.2	185.1	190.1	383.6	8.6	9.0	133.8
26	Paper and allied products ---	-	26	17	1.7	19.9	1.2	2.5	13.7	41.9	60.7	102.7	1.9	2.2	32.7
264	Miscellaneous converted paper products -----	-	16	10	1.0	11.9	0.7	1.5	7.7	27.4	42.0	68.8	1.1	(NA)	(NA)
27	Printing and publishing -----	-	25	14	2.4	25.7	1.9	3.5	19.4	55.8	36.3	89.8	3.8	2.1	34.9
34	Fabricated metal products ---	-	18	7	0.7	7.2	0.5	1.0	4.7	12.1	18.2	30.3	0.8	0.5	5.6
35	Machinery, except electrical --	-	28	7	1.3	18.8	0.9	1.8	11.7	34.8	35.3	80.2	0.5	1.4	26.9
	Hudson town -----	-	65	16	2.5	28.4	2.0	4.2	18.9	45.6	47.8	92.0	1.8	2.0	29.2
	Ipswich town -----	-	26	8	0.5	4.6	0.4	0.6	2.5	10.0	10.6	20.7	0.6	(NA)	(NA)
	Lawrence -----	-	157	74	12.3	131.5	9.9	19.3	90.3	305.1	314.5	607.5	16.8	13.6	247.5
23	Apparel and other textile products -----	-	15	8	1.6	15.5	1.3	2.5	10.0	30.3	27.4	56.2	(D)	1.6	18.5
26	Paper and allied products ---	-	10	9	0.8	10.8	0.6	1.4	7.4	26.0	30.8	56.8	2.8	(NA)	(NA)
31	Leather and leather products -----	-	12	9	2.4	18.0	2.1	3.6	14.5	30.1	31.8	61.9	0.5	3.7	33.4
3144	Women's footwear, except athletic -----	-	4	4	1.6	12.4	1.4	2.4	10.3	19.8	18.9	38.6	(D)	(NA)	(NA)
34	Fabricated metal products ---	-	12	7	0.8	10.3	0.6	1.3	7.4	25.5	32.2	57.4	0.9	0.6	24.1

See footnotes at end of table.

**Table 8. Statistics by Selected Industry Group and Industry for Selected Cities and Towns:
1977 and 1972—Con.**

[Includes cities and towns with 450 employees or more and industry groups and industries with 450 employees or more within cities and towns, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

Individual companies. For explanation of terms, see appendix B.															
SIC code	City, town, and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Lee town -----	-	14	8	1.3	21.6	1.0	2.2	14.4	43.7	47.6	91.1	4.7	(D)	(D)
	Leominster -----	-	171	70	7.7	92.6	5.1	10.2	49.5	158.2	206.0	368.3	12.0	6.9	105.8
	Lexington town -----	-	43	17	6.2	98.7	1.6	3.2	19.1	141.7	57.0	199.7	10.2	4.1	53.4
-	Administrative and auxiliary --	-	10	6	2.1	38.9	-	-	-	-	-	-	-	(NA)	(NA)
	Littleton town -----	-	25	10	0.9	11.3	0.6	1.1	6.7	20.8	28.0	48.0	0.6	(D)	(D)
	Lowell -----	-	181	87	15.4	176.3	10.7	20.6	105.0	386.5	387.3	758.5	18.0	14.9	322.2
26	Paper and allied products ---	-	10	9	0.7	8.5	0.6	1.2	5.3	16.4	21.5	37.4	(D)	0.9	13.1
31	Leather and leather products -----	-	8	5	1.3	9.7	1.2	2.1	7.2	20.0	29.3	50.5	(D)	(NA)	(NA)
3144	Women's footwear, except athletic -----	-	4	4	0.9	7.3	0.8	1.5	5.2	16.1	23.9	41.3	(D)	(NA)	(NA)
36	Electric and electronic equipment -----	E6	15	9	0.9	8.3	0.7	1.3	5.4	17.7	10.6	27.6	(D)	0.9	11.9
	Lynn -----	-	155	56	16.1	270.3	8.9	17.1	112.3	475.9	379.3	857.3	25.4	17.8	319.9
20	Food and kindred products --	-	10	7	0.8	11.7	0.4	0.7	4.6	30.8	60.0	90.6	0.5	0.8	14.6
31	Leather and leather products -----	E1	27	13	1.1	6.7	1.0	1.6	5.2	13.0	21.8	35.2	0.6	1.5	16.2
36	Electric and electronic equipment -----	E1	10	4	0.9	9.9	0.7	1.3	7.0	15.0	16.8	31.5	(D)	(NA)	(NA)
	Malden -----	-	100	35	2.6	30.6	1.9	3.8	17.7	60.5	79.6	140.1	2.5	5.2	138.0
34	Fabricated metal products ---	E1	24	11	0.6	6.5	0.4	0.8	4.4	11.9	13.1	25.1	0.4	0.8	15.7
35	Machinery, except electrical --	-	14	4	0.5	6.3	0.4	0.7	3.5	12.5	11.6	24.9	0.2	(NA)	(NA)
	Mansfield town -----	-	33	22	2.3	27.3	1.5	3.1	16.4	87.8	108.1	196.6	3.9	1.2	26.2
	Marblehead town -----	-	38	6	0.6	7.5	0.5	0.9	5.0	12.4	13.7	25.8	0.3	0.7	8.6
	Marlborough -----	-	54	23	2.8	31.0	2.1	3.9	17.9	142.5	73.1	204.3	3.0	1.8	23.2
	Maynard town -----	-	17	7	1.3	15.2	0.8	1.5	6.8	45.4	29.4	72.2	1.1	(D)	(D)
	Medfield town -----	-	14	7	0.7	6.7	0.3	0.6	3.0	19.3	14.9	31.6	0.7	(NA)	(NA)
	Medford -----	-	62	17	1.4	16.6	1.0	2.0	10.3	28.0	38.4	67.2	1.1	1.8	26.6
	Methuen town -----	-	34	11	1.2	13.1	0.8	1.6	6.4	31.3	32.9	63.8	2.3	0.9	12.9
	Middleborough town -----	-	35	14	0.8	9.5	0.7	1.3	6.8	26.7	30.5	56.6	0.7	0.8	11.6
	Milford town -----	-	32	12	1.8	23.0	1.2	2.5	11.7	57.2	35.3	91.6	5.0	1.5	15.9
	Millbury town -----	-	32	15	1.3	15.2	1.0	1.9	10.1	30.6	27.5	57.2	0.5	1.3	23.4
	Millis town -----	-	17	7	0.5	7.0	0.4	0.9	4.7	24.4	35.6	60.2	1.4	0.6	16.1
	Montague town -----	-	15	4	0.5	7.0	0.4	0.9	4.8	15.4	13.2	28.2	(D)	0.5	8.4
	Natick town -----	-	63	19	2.2	29.6	1.5	3.1	16.8	76.3	56.4	131.7	3.5	2.5	59.2
	Needham town -----	-	67	12	4.9	75.6	2.7	5.3	44.1	131.0	48.0	178.0	5.0	3.9	60.8
	New Bedford -----	-	213	132	21.7	214.3	17.5	33.3	150.0	436.7	407.5	845.3	21.0	21.8	295.7
20	Food and kindred products --	-	33	16	1.5	15.3	1.0	1.6	8.5	32.5	70.3	102.7	4.2	(NA)	(NA)
22	Textile mill products -----	-	20	16	1.9	18.3	1.6	3.5	14.0	32.0	34.1	65.7	0.9	(NA)	(NA)
23	Apparel and other textile products -----	-	61	52	7.3	55.5	6.7	12.0	45.4	116.9	64.8	181.1	1.5	7.7	78.2
2311	Men's and boys' suits and coats -----	-	12	9	2.7	24.8	2.4	4.5	21.0	64.8	34.3	98.9	(D)	(NA)	(NA)
232	Men's and boys' furnishings -----	-	6	6	0.6	3.9	0.5	0.9	2.9	8.6	9.3	17.8	(D)	(NA)	(NA)
27	Printing and publishing -----	-	16	5	0.5	5.1	0.3	0.4	2.5	11.0	6.2	17.3	0.4	0.6	8.9
31	Leather and leather products -----	-	3	3	0.8	5.5	0.7	1.3	4.6	7.4	7.5	15.2	0.1	0.7	5.1
34	Fabricated metal products ---	-	11	6	1.7	19.9	1.3	2.9	15.2	43.3	27.1	72.8	1.0	(NA)	(NA)
35	Machinery, except electrical --	-	14	6	1.0	13.5	0.7	1.4	8.3	24.0	14.6	38.9	0.5	0.9	14.5
	Newburyport -----	-	53	17	1.9	20.7	1.4	2.5	11.5	49.7	40.4	88.0	2.0	1.9	33.6
	Newton -----	-	138	40	3.7	52.9	2.1	4.2	22.4	106.8	97.8	205.7	5.2	4.5	70.6
36	Electric and electronic equipment -----	-	21	9	1.0	12.8	0.7	1.4	6.6	39.5	14.9	55.1	2.0	1.5	20.6
366	Communication equipment --	-	10	3	0.5	7.2	0.2	0.5	2.4	19.5	7.7	28.1	(D)	(NA)	(NA)

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities and Towns: 1977 and 1972—Con.

[Includes cities and towns with 450 employees or more and industry groups and industries with 450 employees or more within cities and towns, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City, town, and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
39 391	North Adams -----	-	28	10	2.3	25.9	1.3	2.9	11.7	27.0	24.1	51.0	2.6	2.9	22.4
	Northampton -----	-	53	17	2.2	27.6	1.4	3.0	14.4	52.4	53.0	103.0	2.9	2.3	43.3
	North Attleborough town ----	-	104	26	2.7	25.5	2.2	3.8	16.7	50.8	60.7	110.6	1.4	2.7	33.
	Miscellaneous manufacturing industries -----	-	44	15	1.6	14.1	1.3	2.3	9.3	23.8	19.4	42.5	0.5	1.2	13.5
	Jewelry, silverware, and plated ware -----	-	27	9	0.6	5.7	0.5	0.9	3.6	10.9	7.7	18.4	0.2	(NA)	(NA)
	Northbridge town -----	-	12	5	1.2	14.5	0.9	1.8	9.4	23.2	16.1	39.8	0.6	1.4	18.1
	Norwood town -----	-	61	26	7.2	100.3	4.8	9.1	56.5	239.8	191.6	423.7	25.2	4.6	80.8
	Orange town -----	-	19	7	0.5	6.3	0.4	0.8	3.4	12.2	10.0	21.4	(D)	0.7	10.3
	Oxford town -----	-	14	5	0.6	7.9	0.5	0.9	5.6	17.9	17.5	35.4	0.7	(NA)	(NA)
	Palmer town -----	-	39	14	1.7	19.9	1.3	2.7	14.2	49.4	42.2	91.3	2.8	2.0	45.7
26 28 31 34	Peabody -----	-	115	39	3.8	47.8	2.8	5.4	30.4	95.5	113.0	206.5	6.8	4.3	69.7
	Paper and allied products ---	-	3	3	0.5	5.8	0.4	0.9	4.2	14.7	19.2	33.2	(D)	(NA)	(NA)
	Chemicals and allied products -----	-	13	4	0.6	8.9	0.3	0.7	5.0	18.2	28.3	45.9	(D)	0.6	14.4
	Leather and leather products -----	-	37	16	1.1	12.3	1.0	1.7	9.2	20.3	25.2	45.2	0.6	1.7	20.4
	Fabricated metal products ---	-	13	4	0.5	6.2	0.4	0.7	3.9	12.3	14.8	27.0	0.7	(NA)	(NA)
	Pittsfield -----	-	71	27	11.4	177.0	5.3	9.6	61.7	291.7	142.4	443.4	15.2	12.6	205.7
	Plainville town -----	-	23	13	1.8	20.1	1.4	2.8	13.0	33.0	87.6	120.8	(D)	1.1	11.8
	Plymouth town -----	-	34	13	1.2	15.7	0.7	1.4	6.6	22.3	18.2	40.7	1.6	(NA)	(NA)
	Quincy -----	-	125	30	8.6	117.5	6.3	12.4	72.8	288.9	184.1	470.6	14.7	11.2	172.5
	Printing and publishing -----	-	20	1	0.6	6.9	0.3	0.6	3.7	11.6	3.2	14.8	0.3	0.6	8.2
35	Machinery, except electrical --	-	18	9	1.7	24.4	1.0	1.9	11.6	58.2	31.1	87.3	2.6	1.6	33.3
	Randolph town -----	-	40	16	1.6	22.8	0.8	1.7	9.6	54.5	42.9	96.4	1.6	1.1	19.9
	Reading town -----	-	19	6	1.0	12.1	0.4	0.7	4.2	38.1	26.2	60.3	1.1	1.0	17.3
	Revere -----	-	20	9	0.5	5.3	0.4	0.7	3.9	12.9	10.9	22.8	(D)	0.5	4.1
	Rockland town -----	-	38	15	1.5	16.6	1.2	2.4	10.1	27.8	22.2	49.1	1.6	1.5	19.0
	Salem -----	-	119	30	5.2	61.8	3.8	7.1	37.9	166.1	115.1	279.2	7.1	6.1	113.4
	Leather and leather products -----	-	22	7	0.7	7.4	0.6	1.2	5.4	14.4	25.3	39.2	0.4	1.4	14.3
	Electric and electronic equipment -----	-	12	6	1.9	21.5	1.6	3.0	16.3	72.1	27.6	100.5	1.2	2.1	46.0
	Saugus town -----	-	38	12	0.7	7.7	0.5	1.0	5.3	15.0	17.9	32.8	0.6	0.6	8.9
	Sharon town -----	-	22	7	0.7	9.6	0.4	1.0	4.4	18.4	10.9	28.8	0.5	0.5	8.1
34	Shrewsbury town -----	-	36	11	1.3	16.0	1.0	2.0	10.5	37.9	42.5	79.4	0.4	1.2	16.7
	Somerville -----	-	109	36	2.9	33.4	2.1	4.0	19.2	67.3	67.4	131.9	2.3	3.2	54.1
	Fabricated metal products ---	E1	15	5	0.5	6.5	0.3	0.6	3.6	14.2	7.6	21.3	0.7	0.6	12.0
	Southbridge town -----	-	41	18	6.0	73.7	3.8	7.5	38.9	89.4	51.0	135.8	8.6	6.5	98.5
	South Hadley town -----	-	21	9	1.9	25.9	1.2	2.4	14.1	47.8	58.4	105.9	4.2	1.6	13.6
	Springfield -----	-	233	88	18.0	233.8	12.9	25.5	149.4	456.2	391.0	821.2	35.7	18.9	318.7
	Textile mill products -----	-	3	3	0.6	5.1	0.6	1.1	4.3	13.5	16.3	30.0	(D)	(NA)	(NA)
	Apparel and other textile products -----	E2	19	9	1.1	8.6	1.0	1.8	6.0	13.7	6.9	20.6	0.1	1.4	11.1
	Children's outerwear -----	E2	4	4	0.7	5.4	0.6	1.1	3.7	8.8	4.2	13.0	(D)	(NA)	(NA)
	Paper and allied products ---	-	8	6	1.1	13.4	0.8	1.5	8.8	25.7	30.9	56.2	2.1	1.6	26.8
27 275 30 33 34 35 39 --	Printing and publishing -----	-	48	12	1.7	21.9	0.9	1.7	10.9	46.9	28.5	75.1	0.5	2.0	36.8
	Commercial printing -----	-	27	7	0.5	7.3	0.4	0.8	5.0	11.6	9.0	20.5	0.3	(NA)	(NA)
	Rubber and miscellaneous plastics products -----	-	6	4	0.5	5.9	0.3	0.7	3.6	13.1	5.9	19.1	(D)	(NA)	(NA)
	Primary metal industries -----	-	6	3	0.5	6.0	0.4	0.8	4.5	11.6	11.6	22.6	(D)	0.6	9.9
	Fabricated metal products ---	-	36	13	5.3	67.0	4.4	9.0	52.8	132.0	60.9	169.3	10.3	4.4	70.0
	Machinery, except electrical --	-	36	15	2.7	37.8	2.0	4.1	25.8	79.8	47.8	126.4	3.3	2.6	43.5
	Miscellaneous manufacturing industries -----	-	13	3	0.6	6.1	0.4	0.9	4.9	13.5	9.0	22.4	(D)	0.8	9.4
	Administrative and auxiliary --	-	4	4	0.5	11.0	-	-	-	-	-	-	-	(NA)	(NA)

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities and Towns: 1977 and 1972—Con.

[Includes cities and towns with 450 employees or more and industry groups and industries with 450 employees or more within cities and towns, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

individual companies. For explanation of terms, see appendix B)

SIC code	City, town, and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Stoneham town -----	-	27	13	0.8	7.8	0.5	0.9	3.7	12.3	11.5	23.6	0.7	0.6	7.6
	Stoughton town -----	-	69	17	1.9	21.3	1.5	2.9	14.8	45.5	43.1	87.4	2.1	1.7	27.4
	Sudbury town -----	-	23	8	1.7	33.0	0.2	0.4	2.1	8.1	10.3	17.8	0.8	1.7	8.4
	Taunton -----	-	84	43	6.7	63.7	4.7	9.2	40.5	125.5	110.6	236.6	5.4	6.1	85.5
23	Apparel and other textile products -----	E1	7	5	0.8	4.7	0.6	1.1	3.2	9.6	9.8	18.4	(D)	(NA)	(NA)
391	Jewelry, silverware, and plated ware -----	-	6	5	1.5	15.9	1.1	2.2	10.1	31.1	22.1	51.9	0.9	(NA)	(NA)
	Uxbridge town -----	-	18	6	0.9	9.4	0.6	1.3	5.3	18.3	19.0	35.2	(D)	0.8	11.4
22	Textile mill products -----	-	6	4	0.7	6.6	0.5	1.0	3.7	11.4	14.8	25.3	(D)	0.7	8.5
	Wakefield town -----	-	70	26	2.8	33.1	2.0	3.8	17.8	65.9	49.3	116.5	3.9	2.7	42.1
36	Electric and electronic equipment -----	-	11	7	0.9	10.9	0.6	1.2	6.1	18.7	11.1	31.8	0.9	(NA)	(NA)
367	Electronic components and accessories -----	-	5	4	0.7	7.9	0.5	0.9	4.5	13.3	7.6	22.9	(D)	(NA)	(NA)
	Walpole town -----	-	33	17	3.0	40.2	1.7	3.3	20.7	80.8	80.2	162.1	4.9	2.1	36.7
	Waltham -----	-	236	89	20.1	317.8	11.6	23.9	149.8	743.4	423.8	1 151.7	43.8	18.1	474.5
34	Fabricated metal products ---	E3	32	13	1.0	12.8	0.8	1.6	8.7	21.9	13.1	34.3	0.9	1.2	15.0
345	Screw machine products, bolts, etc. -----	E6	9	5	0.5	6.1	0.4	0.8	4.4	10.7	5.5	15.7	0.5	(NA)	(NA)
35	Machinery, except electrical --	E3	47	11	1.4	19.3	0.8	1.5	8.7	32.3	22.7	57.4	0.7	1.8	35.0
36	Electric and electronic equipment -----	-	43	24	7.8	106.1	5.1	10.0	57.5	226.8	131.5	356.7	18.2	6.6	128.2
362	Electrical industrial apparatus -----	-	6	3	0.5	5.3	0.3	0.5	2.5	9.6	4.7	13.7	(D)	(NA)	(NA)
367	Electronic components and accessories -----	-	18	10	2.7	36.5	1.6	3.3	19.3	62.7	28.4	91.4	5.0	(NA)	(NA)
-	Administrative and auxiliary --	-	16	9	2.7	51.9	-	-	-	-	-	-	-	(NA)	(NA)
	Ware town -----	-	21	10	1.1	10.4	0.9	1.8	7.3	21.9	22.8	44.9	0.7	1.6	18.8
	Watertown town -----	-	113	38	4.6	57.0	3.0	6.0	28.4	111.3	90.7	201.9	6.9	4.4	80.3
30	Rubber and miscellaneous plastics products -----	-	8	5	0.6	8.8	0.4	0.8	4.5	14.7	13.4	27.8	(D)	0.7	10.4
35	Machinery, except electrical --	E1	15	5	0.5	7.5	0.3	0.7	3.7	17.7	10.4	27.6	1.3	0.6	9.3
36	Electric and electronic equipment -----	-	10	6	1.5	16.6	1.1	2.1	8.3	32.3	18.0	51.0	2.5	1.4	24.4
38	Instruments and related products -----	-	10	6	0.7	8.7	0.3	0.6	3.3	18.1	8.6	26.4	0.5	0.5	10.7
	Wayland town -----	-	6	3	2.0	44.0	0.1	0.2	0.9	4.4	1.2	5.5	0.1	2.3	1.3
	Webster town -----	-	32	12	1.9	19.6	1.6	3.3	14.6	47.2	29.1	73.8	(D)	2.9	28.2
	Westborough town -----	-	42	18	2.7	36.7	1.8	3.4	20.6	78.5	51.0	129.1	4.2	1.9	34.0
	West Boylston -----	-	19	7	0.9	12.2	0.6	1.0	6.3	31.0	16.9	47.1	0.7	0.8	19.1
	Westfield -----	-	103	41	7.6	87.1	5.6	9.8	51.3	241.3	196.7	438.2	12.1	4.8	71.9
26	Paper and allied products ---	-	8	6	1.1	11.4	0.8	1.7	8.8	21.2	26.4	47.9	0.6	0.7	10.9
264	Miscellaneous converted paper products -----	-	4	3	0.7	6.7	0.6	1.1	4.9	12.1	18.8	30.8	(D)	(NA)	(NA)
34	Fabricated metal products ---	-	12	5	1.3	14.2	1.0	1.8	10.3	19.3	21.1	39.7	1.2	1.4	21.4
	Westford town -----	-	18	7	1.2	14.2	1.0	1.8	11.1	24.0	15.2	39.0	2.4	(D)	(D)
	West Springfield town -----	-	104	35	2.9	32.9	2.1	4.2	20.5	82.8	98.9	181.5	3.7	2.8	74.8
26	Paper and allied products ---	E1	5	5	0.5	6.1	0.4	0.7	3.7	9.8	18.2	27.9	0.7	0.6	10.3
	Westwood town -----	-	21	12	1.5	21.4	0.6	1.2	7.1	37.5	22.5	60.3	1.3	(NA)	(NA)
36	Electric and electronic equipment -----	-	4	3	0.8	11.0	0.3	0.7	3.7	24.8	14.0	36.6	(D)	(NA)	(NA)
	Weymouth town -----	-	38	9	0.8	10.0	0.6	1.2	5.9	21.9	13.6	35.1	1.4	0.8	15.0
	Whitman town -----	-	26	13	0.9	9.6	0.6	1.2	5.7	13.9	11.8	25.9	0.5	1.4	11.4
	Wilbraham town -----	-	10	7	1.1	17.4	0.5	0.9	5.2	20.4	60.1	79.9	(D)	0.9	23.1

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities and Towns: 1977 and 1972—Con.

[Includes cities and towns with 450 employees or more and industry groups and industries with 450 employees or more within cities and towns, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City, town, and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Wilmington town -----	-	61	27	10.2	141.4	4.7	9.6	46.9	250.6	178.3	422.0	23.0	7.2	105.6
35	Machinery, except electrical --	-	19	4	3.0	45.7	1.3	3.0	14.0	100.2	68.1	164.7	(D)	(NA)	(NA)
36	Electric and electronic equipment -----	-	8	7	1.2	12.1	0.8	1.5	6.2	31.2	23.5	52.3	(D)	0.9	13.5
3679	Electronic components, n.e.c. -----	-	3	3	0.5	4.2	0.4	0.7	2.8	8.1	4.4	12.8	(D)	(NA)	(NA)
38	Instruments and related products -----	-	5	4	1.7	26.2	0.8	1.7	10.7	51.7	17.9	68.3	(D)	(NA)	(NA)
	Winchendon town -----	-	24	11	0.7	6.7	0.5	1.0	4.3	13.2	12.2	25.3	0.2	0.8	9.8
	Winchester town -----	-	32	10	0.8	9.1	0.6	1.1	5.7	20.2	12.6	33.2	0.8	0.9	13.1
	Woburn -----	-	184	70	5.2	66.3	3.4	6.5	34.8	160.1	137.6	293.5	9.3	4.1	70.6
28	Chemicals and allied products -----	-	10	6	0.6	8.4	0.4	0.8	4.7	27.2	27.5	54.8	(D)	(NA)	(NA)
34	Fabricated metal products ---	E1	31	11	0.6	7.3	0.4	0.8	4.0	15.5	11.6	26.8	0.8	(NA)	(NA)
35	Machinery, except electrical --	E1	35	6	0.5	7.0	0.3	0.7	4.3	12.5	17.1	30.0	0.6	0.5	8.7
36	Electric and electronic equipment -----	E2	29	20	1.4	17.9	0.8	1.5	7.2	38.4	21.6	56.8	1.2	0.6	11.4
367	Electronic components and accessories -----	E4	17	12	0.8	9.7	0.5	1.0	4.4	19.4	8.1	26.3	0.8	(NA)	(NA)
	Worcester -----	-	437	175	26.3	343.1	17.6	33.4	186.9	649.3	538.8	1 181.3	40.6	28.7	471.8
20	Food and kindred products --	-	17	6	1.3	17.7	0.5	1.1	5.2	36.2	44.4	80.5	1.5	1.7	33.6
22	Textile mill products -----	-	17	6	0.7	6.6	0.6	1.1	4.9	11.6	9.0	20.3	0.4	0.9	10.5
23	Apparel and other textile products -----	E1	32	18	0.9	6.4	0.8	1.2	4.6	12.3	13.3	25.1	(D)	(NA)	(NA)
25	Furniture and fixtures -----	-	12	4	0.6	9.1	0.2	0.4	2.7	18.5	14.4	32.4	(D)	(NA)	(NA)
26	Paper and allied products ---	-	13	8	1.0	10.5	0.7	1.5	7.1	22.6	29.9	52.0	1.0	1.4	20.1
27	Printing and publishing -----	-	48	8	1.6	20.3	0.9	1.6	10.4	31.4	14.3	45.9	1.3	1.9	26.6
30	Rubber and miscellaneous plastics products -----	-	16	8	0.6	5.6	0.5	0.9	3.3	10.0	10.8	20.6	1.6	0.5	7.4
3079	Miscellaneous plastics products -----	-	16	8	0.6	5.6	0.5	0.9	3.3	10.0	10.8	20.6	1.6	(NA)	(NA)
31	Leather and leather products -----	-	8	7	0.9	9.4	0.8	1.3	5.9	13.7	16.7	30.8	0.2	1.2	11.0
33	Primary metal industries -----	-	23	16	2.1	28.4	1.6	3.1	20.4	47.2	59.0	113.5	2.3	2.3	35.6
331	Blast furnace and basic steel products -----	-	7	6	1.1	16.0	0.9	1.7	12.1	27.6	25.4	52.8	1.2	(NA)	(NA)
3315	Steel wire and related products -----	-	7	6	1.1	16.0	0.9	1.7	12.1	27.6	25.4	52.8	1.2	(NA)	(NA)
335	Nonferrous rolling and drawing -----	-	6	5	0.6	7.0	0.4	0.7	4.1	9.7	27.0	44.1	(D)	(NA)	(NA)
34	Fabricated metal products ---	E1	98	43	4.8	60.8	3.6	7.1	38.1	120.4	99.7	212.9	13.2	5.4	81.2
342	Cutlery, hand tools, and hardware -----	-	12	8	0.7	8.5	0.6	1.2	5.8	17.1	11.5	27.9	1.9	(NA)	(NA)
345	Screw machine products, bolts, etc. -----	-	15	8	1.0	11.1	0.8	1.5	6.9	21.3	17.4	37.6	(D)	(NA)	(NA)
346	Metal forgings and stampings -----	-	14	7	1.1	17.4	0.8	1.5	10.2	41.5	39.2	76.6	(D)	(NA)	(NA)
349	Miscellaneous fabricated metal products -----	E6	19	9	1.2	15.6	0.9	1.7	9.3	25.8	22.7	47.3	0.3	(NA)	(NA)
35	Machinery, except electrical --	-	70	23	4.0	61.9	2.6	5.1	32.3	126.9	64.1	187.9	3.8	4.8	91.3
354	Metalworking machinery ---	-	33	10	3.0	49.7	1.9	3.8	25.2	97.8	51.0	144.5	2.4	(NA)	(NA)
3545	Machine tool accessories -----	-	7	4	0.5	5.8	0.4	0.7	3.7	14.3	15.3	29.9	0.3	(NA)	(NA)
36	Electric and electronic equipment -----	-	12	6	1.0	9.3	0.8	1.4	5.7	18.4	10.5	27.5	(D)	0.7	8.5
38	Instruments and related products -----	-	9	5	0.5	4.4	0.4	0.6	2.7	9.3	4.7	13.9	0.3	(NA)	(NA)
39	Miscellaneous manufacturing industries -----	-	24	6	0.7	5.8	0.5	1.0	3.4	11.8	10.8	22.9	0.1	(NA)	(NA)

Note: "City" or "town" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E10—100 percent.

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977

(Major groups descriptions are: 20---food and kindred products; 21---tobacco manufactures; 22---textile mill products; 23---apparel and other textile products; 24---lumber and wood products; 25---furniture and fixtures; 26---paper and allied products; 27---printing and publishing; 28---chemicals and allied products; 29---petroleum and coal products; 30---rubber and miscellaneous plastics products; 31---leather and leather products; 32---stone, clay, and glass products; 33---primary metal industries; 34---fabricated metal products; 35---machinery, except electrical; 36---electric and electronic equipment; 37---transportation equipment; 38---instruments and related products; 39---miscellaneous manufacturing industries. For explanation of terms, see appendix B)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
MASSACHUSETTS	11133	678	3	277	767	393	295	339	1521	349	67	539	339	321	249	1195	1634	684	189	435	600	259
1 TO 4 EMPLOYEES	3869	262	1	49	165	192	117	49	738	113	23	131	91	126	44	380	652	203	84	146	257	46
5 TO 9 EMPLOYEES	1576	82	1	28	82	66	44	32	208	71	22	63	43	58	37	170	276	76	21	65	97	34
10 TO 19 EMPLOYEES	1634	93	1	26	96	58	53	52	231	52	7	79	45	58	39	205	267	79	26	51	75	41
20 TO 49 EMPLOYEES	1830	110	-	68	181	49	37	55	192	56	9	114	55	44	60	273	211	101	29	72	73	41
50 TO 99 EMPLOYEES	1018	62	-	39	124	20	26	54	77	24	4	81	45	17	33	88	114	77	11	42	46	34
100 TO 249 EMPLOYEES	108	48	-	41	89	7	15	74	45	18	1	55	35	12	22	46	48	80	5	26	32	34
250 TO 499 EMPLOYEES	733	14	-	16	21	-	12	17	15	6	1	8	21	3	13	18	29	40	7	15	10	11
500 TO 999 EMPLOYEES	269	6	-	9	9	1	1	5	12	3	1	5	4	1	1	12	22	18	2	6	5	5
1000 TO 2499 EMPLOYEES	138	47	-	1	-	-	-	-	3	-	-	-	-	1	-	-	11	5	3	4	-	1
2500 EMPLOYEES AND OVER	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BARNSTABLE COUNTY	189	17	-	-	6	7	6	1	51	2	2	7	3	15	1	8	13	3	14	10	21	2
1 TO 19 EMPLOYEES	162	14	-	-	6	5	6	1	47	2	2	3	3	15	1	7	12	2	12	7	16	1
20 TO 99 EMPLOYEES	23	3	-	-	-	2	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BERKSHIRE COUNTY	210	10	-	3	5	26	3	17	36	4	4	14	3	13	2	12	31	7	2	5	8	5
1 TO 19 EMPLOYEES	142	10	-	1	2	23	3	3	28	1	1	7	2	11	-	5	22	4	2	4	7	3
20 TO 99 EMPLOYEES	43	-	-	3	3	3	-	6	6	1	1	5	1	2	1	7	5	-	-	1	1	1
100 TO 249 EMPLOYEES	13	-	-	1	-	-	-	-	1	-	-	2	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	12	-	-	1	-	-	-	3	1	1	-	-	-	-	-	-	-	3	-	-	-	1
BRISTOL COUNTY	1050	88	-	61	171	30	11	19	73	19	7	34	16	29	37	117	100	32	20	20	151	15
1 TO 19 EMPLOYEES	553	55	-	12	37	22	10	8	56	12	6	16	5	21	17	75	71	14	12	10	88	6
20 TO 99 EMPLOYEES	319	27	-	29	75	7	1	2	11	6	1	14	4	6	12	32	25	8	5	4	38	6
100 TO 249 EMPLOYEES	110	5	-	13	42	1	1	-	3	1	-	4	3	1	3	6	2	4	2	3	15	3
250 EMPLOYEES AND OVER	68	1	-	7	17	-	-	-	3	-	-	-	4	1	5	4	2	6	1	3	10	-
DUKES COUNTY	14	1	-	-	1	1	-	-	3	-	-	-	-	1	-	-	-	-	3	1	2	1
1 TO 19 EMPLOYEES	12	1	-	-	1	1	-	-	3	-	-	-	-	1	-	-	-	-	2	1	2	1
20 TO 99 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ESSEX COUNTY	1353	105	1	32	62	32	34	36	122	64	7	67	149	30	24	126	231	99	28	32	55	17
1 TO 19 EMPLOYEES	900	42	1	17	38	25	27	15	99	45	5	38	81	23	15	84	179	51	20	24	45	6
20 TO 99 EMPLOYEES	322	35	-	12	11	6	2	12	18	14	2	20	49	6	8	36	38	26	5	7	8	7
100 TO 249 EMPLOYEES	87	6	-	1	12	1	5	8	4	2	-	8	15	1	1	4	6	10	2	2	-	1
250 EMPLOYEES AND OVER	44	2	-	2	1	-	-	1	1	3	-	1	4	-	-	2	8	12	1	1	2	3
FRANKLIN COUNTY	114	7	-	1	1	21	4	8	13	1	2	5	1	3	2	12	19	2	-	1	11	-
1 TO 19 EMPLOYEES	79	5	-	-	1	21	4	2	11	1	2	5	1	3	-	5	11	1	-	1	9	-
20 TO 99 EMPLOYEES	20	1	-	-	-	-	-	-	2	-	-	4	-	-	-	6	4	-	-	-	1	-
100 TO 249 EMPLOYEES	10	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
250 EMPLOYEES AND OVER	5	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HAMPDEN COUNTY	906	47	-	13	35	29	13	64	126	24	4	47	8	28	32	121	210	29	12	17	37	10
1 TO 19 EMPLOYEES	551	31	-	1	16	22	11	19	82	13	3	22	6	18	15	84	152	16	8	13	27	5
20 TO 99 EMPLOYEES	244	10	-	6	12	7	2	21	35	8	1	17	1	8	14	36	46	7	3	4	5	1
100 TO 249 EMPLOYEES	71	5	-	5	5	-	-	18	6	-	-	5	3	2	3	8	5	3	1	-	2	4
250 EMPLOYEES AND OVER	40	1	-	1	2	-	-	6	3	3	-	-	1	-	-	6	7	3	1	-	3	-
HAMPSHIRE COUNTY	174	11	1	8	6	19	4	11	25	4	-	11	-	9	7	16	24	5	-	5	7	1
1 TO 19 EMPLOYEES	116	9	1	3	1	17	4	4	19	2	-	5	-	2	3	10	21	3	-	4	3	1
20 TO 99 EMPLOYEES	37	1	-	2	4	2	-	2	6	1	-	3	-	2	3	6	3	1	-	-	1	-
100 TO 249 EMPLOYEES	12	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	9	-	-	1	-	-	-	2	-	1	-	-	-	-	-	-	-	-	-	1	2	-
MIDDLESEX COUNTY	2741	136	-	45	120	60	74	73	381	117	15	112	40	61	41	316	421	307	42	201	78	101
1 TO 19 EMPLOYEES	1744	86	-	14	67	45	56	29	299	82	13	57	22	47	24	200	314	147	23	115	60	44
20 TO 99 EMPLOYEES	706	34	-	21	42	12	18	28	63	25	2	41	7	10	12	102	78	93	14	62	14	28
100 TO 249 EMPLOYEES	160	10	-	6	8	3	-	-	10	8	-	10	4	3	4	10	12	35	-	10	3	12
250 EMPLOYEES AND OVER	131	6	-	4	3	-	-	4	9	2	-	4	7	1	1	4	17	32	5	14	1	17
NANTUCKET COUNTY	8	1	-	1	-	-	-	-	2	-	-	-	1	-	-	1	-	-	-	-	2	-
1 TO 19 EMPLOYEES	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORFOLK COUNTY	960	56	-	21	30	34	19	25	142	36	6	35	15	29	23	114	150	77	14	57	44	33
1 TO 19 EMPLOYEES	647	39	-	7	20	25	16	10	119	27	3	17	10	19	12	81	100	45	12	34	32	19
20 TO 99 EMPLOYEES	213	11	-	9	6	8	3	8	18	8	2	14	4	9	9	26	38	13	-	11	7	9
100 TO 249 EMPLOYEES	57	5	-	3	3	1	-	-	3	1	-	2	-	-	1	3	5	14	-	4	4	3
250 EMPLOYEES AND OVER	43	1	-	2	1	-	-	-	2	-	-	1	-	-	-	-	7	5	2	8	1	2

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class	All establishments	Establishments in major industry groups																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
PLYMOUTH COUNTY	599	35	-	4	37	45	7	8	79	11	6	30	39	26	12	64	79	35	22	19	28
1 TO 19 EMPLOYEES	397	23	-	2	12	37	5	3	58	10	6	18	17	19	4	39	61	22	18	13	13
20 TO 99 EMPLOYEES	164	11	-	1	20	8	2	4	17	1	-	10	17	6	6	22	16	8	3	5	8
100 TO 249 EMPLOYEES	28	1	-	-	5	-	-	1	3	-	-	2	2	1	2	3	1	3	-	-	2
250 EMPLOYEES AND OVER	10	-	-	1	-	-	-	-	1	-	-	-	3	-	-	-	1	2	1	1	3
SUFFOLK COUNTY	1310	106	1	26	240	24	38	31	339	30	4	28	40	18	17	86	74	50	15	30	74
1 TO 19 EMPLOYEES	853	59	1	16	121	20	30	20	251	20	2	17	24	16	9	60	53	31	8	20	60
20 TO 99 EMPLOYEES	349	28	-	7	104	3	7	7	71	7	2	8	11	1	7	22	14	12	5	6	15
100 TO 249 EMPLOYEES	66	11	-	1	12	-	1	2	8	2	-	2	4	1	-	3	5	4	1	2	5
250 EMPLOYEES AND OVER	42	8	-	2	3	1	-	2	9	1	-	1	1	-	1	1	2	3	1	2	4
WORCESTER COUNTY	1505	58	-	62	53	65	82	46	129	37	10	149	24	59	51	202	282	38	17	37	82
1 TO 19 EMPLOYEES	915	42	-	29	22	53	42	19	103	21	6	72	7	42	21	117	199	22	14	16	56
20 TO 99 EMPLOYEES	406	11	-	20	27	11	29	12	19	9	3	55	6	11	19	65	58	9	2	12	23
100 TO 249 EMPLOYEES	116	3	-	9	2	1	8	12	6	4	1	21	7	3	7	8	8	5	-	6	2
250 EMPLOYEES AND OVER	68	2	-	4	2	-	3	3	1	3	-	1	4	3	4	12	17	2	1	3	1

Note: Data on number of establishments by employment size class by 4-digit SIC industry for States, counties, and selected cities and towns are presented in Location of Manufacturing plants data series. This series is available only on computer tape (see Introduction).
 - Represents zero.
 1 Only those counties and size classes that include data for manufacturing establishments are shown.

Michigan

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MICHIGAN

LEGEND

- Places of 100,000 or more inhabitants
- Places of 50,000 to 100,000 inhabitants
- SMSA central cities with fewer than 50,000 inhabitants
- Places of 25,000 to 50,000 inhabitants outside SMSA's



Standard Metropolitan Statistical Areas (SMSA's)



SUMMARY OF FINDINGS

In 1977, 1,115.9 thousand persons were employed in Michigan's manufacturing establishments. This figure represented an increase of 4 percent from the 1972 figure of 1,076.2 thousand workers.

The total value added by manufacture for the State amounted to \$37,566 million in 1977, an increase of approximately 61 percent from the 1972 figure of \$23,376 million. All dollar figures in this report are in current dollars and are, therefore, not adjusted for changes in price levels.

In the State, the most important industry groups ranked by employment were transportation equipment; machinery, except electrical; fabricated metal products; and primary metal industries. They accounted for approximately 62 percent of the State's 1977 employment. These same industry groups were in the forefront for 1972 when they accounted for approximately 53 percent of the State's employment.

The most important counties in the State ranked by employment were Wayne, Macomb, and Oakland. They accounted for approximately 49 percent of the State's 1977 manufacturing employment. In 1972, these same counties accounted for approximately 50 percent of the State's employment.

The methods of data collection and use of administrative records data are discussed in detail in the Introduction. Small single-unit companies with up to 20 employees (the cutoff varied by industry) were excluded from the mail portion of the census. For these establishments (and a small number of larger establishments whose reports were not received in time to be tabulated), statistics on payrolls and receipts were obtained from administrative records of other government agencies. Other statistics were developed from industry averages. For this State, these establishments accounted for 2 percent of the total value of shipments.

Table 1. Historical Employment Statistics for Operating Manufacturing Establishments and Central Administrative Offices: 1977 and Earlier Years

(For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

State, standard metropolitan statistical area, and year	All establishments		Operating manufacturing establishments		Central administrative offices and auxiliaries ¹	
	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)
Michigan:						
1977.....	1,115.9	20,054.0	1,011.1	17,434.0	104.8	2,620.0
1972.....	1,076.2	12,745.1	981.5	11,125.8	94.7	1,619.3
1967.....	1,134.1	9,357.2	1,039.7	8,290.9	94.4	1,066.3
1963.....	961.1	6,950.7	879.0	6,147.5	82.1	803.2
STANDARD CONSOLIDATED STATISTICAL AREA						
Detroit-Ann Arbor:						
1977.....	606.0	11,735.9	517.6	9,475.3	88.4	2,260.6
1972.....	591.0	7,576.7	504.0	6,131.9	83.0	1,444.8
STANDARD METROPOLITAN STATISTICAL AREAS						
Ann Arbor:						
1977.....	41.4	807.0	39.0	744.5	2.4	62.5
1972.....	35.4	450.0	33.6	419.7	1.8	30.3
1967.....	35.0	288.0	32.2	255.6	2.8	32.4
1963.....	25.8	188.7	25.7	187.8	.1	.9
Battle Creek:						
1977.....	23.0	381.5	22.2	362.6	.8	18.9
1972.....	24.8	267.1	24.1	256.8	.7	10.3
Bay City:						
1977.....	10.2	166.2	9.9	160.2	.3	6.0
1972.....	9.9	100.9	9.7	99.4	.2	1.5
1967.....	12.3	83.0	(D)	(D)	(D)	(D)
1963.....	9.6	61.7	9.6	61.7	-	-
Detroit:						
1977.....	564.6	10,928.9	478.6	8,730.8	86.0	2,198.1
1972.....	551.6	7,126.7	470.4	5,712.2	81.2	1,414.5
1967.....	584.5	5,218.8	503.8	4,296.6	80.7	922.2
1963.....	493.9	3,847.2	422.3	3,140.6	71.6	706.6
Flint:						
1977.....	(D)	(D)	(D)	(D)	(D)	(D)
1972.....	(D)	(D)	(D)	(D)	(D)	(D)
1967.....	(D)	(D)	(D)	(D)	(D)	(D)
1963.....	68.9	563.5	(D)	(D)	(D)	(D)
Grand Rapids:						
1977.....	82.6	1,168.9	81.5	1,151.0	1.1	17.9
1972.....	74.9	712.8	74.4	706.7	.5	6.1
1967.....	75.7	540.9	75.3	535.8	.4	5.1
1963.....	64.6	393.2	64.3	390.7	.3	2.5
Jackson:						
1977.....	17.0	254.6	16.5	241.5	.5	13.1
1972.....	17.3	173.9	16.8	167.1	.5	6.8
1967.....	19.4	146.3	19.1	143.0	.3	3.3
1963.....	16.5	107.5	15.9	103.0	.6	4.4
Kalamazoo-Portage:						
1977.....	34.6	551.7	31.1	481.6	3.5	70.1
1972.....	32.1	335.1	29.8	298.5	2.3	36.6
Lansing-East Lansing:						
1977.....	41.7	782.3	41.3	774.1	.4	8.2
1972.....	42.1	504.3	41.7	499.9	.4	4.4
Muskegon-Norton Shores-Muskegon Heights:						
1977.....	22.3	329.5	21.8	320.8	.5	8.7
1972.....	22.8	226.4	22.5	222.4	.3	4.0
1967.....	28.5	213.3	28.2	210.7	.3	2.6
1963.....	25.1	163.9	24.9	162.0	.3	1.9
Saginaw:						
1977.....	34.1	708.7	34.0	706.7	.1	2.0
1972.....	33.8	425.9	33.3	421.3	.5	4.6
1967.....	32.0	269.8	31.7	267.1	.3	2.7
1963.....	25.8	191.0	25.5	189.0	.2	2.1
Toledo, Ohio-Mich.:						
1977.....	92.7	1,504.2	83.4	1,315.8	9.3	188.4
1972.....	91.2	986.9	82.9	869.2	8.3	117.7

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies.

¹ Defined in appendix B. Data for these establishments are included at the total manufacturing level in each table in this report. Data for these establishments are shown separately in tables 5 and 9 and included in State, SMSA, county or city totals in other tables.

Table 2a. Historical Statistics for the State and Selected Standard Metropolitan Statistical Areas:
1977 and Earlier Years

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Includes SCSA's and SNSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see page 1.													Comparative indexes and U.S. employment			
Year ¹	Establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)	Percent of U.S. manufac- turing employ- ment (per- cent)	Index of State employ- ment change (1977= 100)	United States		
	Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)							Index of manufac- turing employ- ment change (1977= 100)	U.S. manu- facturing employ- ment (1,000)	
MICHIGAN																
1977 CENSUS.	15 627	5 380	1 115.9	20 054.0	789.4	1 626.3	12 720.6	37 566.0	56 775.9	93 757.1	3 739.2	5.69	100	100	19 596.9	
1976 ASM....	(NA)	(NA)	1 049.9	17 322.2	740.8	1 503.2	10 792.9	32 389.8	48 688.2	80 326.7	2 636.1	5.60	94	96	18 753.0	
1975 ASM....	(NA)	(NA)	972.3	14 100.4	668.9	1 308.4	8 512.1	25 084.0	39 282.4	64 535.1	2 263.3	5.31	87	94	18 302.2	
1974 ASM....	(NA)	(NA)	1 097.6	14 307.5	763.0	1 532.6	9 101.2	26 333.2	37 942.7	63 560.5	2 850.7	5.53	98	102	19 844.8	
1973 ASM....	(NA)	(NA)	1 151.6	14 768.3	827.1	1 736.4	9 545.3	27 170.4	36 681.9	63 410.9	1 997.9	5.79	103	102	19 897.9	
1972 CENSUS.	14 461	5 019	1 076.2	12 745.1	768.1	1 582.6	8 094.7	23 375.7	30 821.3	54 039.3	2 071.4	5.66	96	98	19 028.7	
1971 ASM....	(NA)	(NA)	1 034.4	11 128.6	728.6	1 463.5	6 965.4	20 270.6	26 787.3	47 206.9	1 202.3	5.63	93	94	18 363.1	
1970 ASM....	(NA)	(NA)	1 043.6	10 232.5	726.0	1 468.1	6 332.4	17 959.4	22 339.2	40 202.4	1 300.7	5.43	94	99	19 217.2	
1969 ASM....	(NA)	(NA)	1 169.0	11 041.6	846.9	1 743.1	7 154.9	20 253.0	25 804.9	45 963.8	1 371.6	5.83	105	103	20 035.5	
1968 ASM....	(NA)	(NA)	1 139.6	10 350.4	830.5	1 744.3	6 777.4	19 266.4	24 798.6	43 982.8	1 203.3	5.84	102	100	19 527.6	
1967 CENSUS.	14 340	5 157	1 134.1	9 357.2	816.7	1 669.2	6 008.0	17 241.6	22 011.1	39 133.2	1 360.2	5.87	102	99	19 323.2	
1966 ASM....	(NA)	(NA)	1 145.8	9 221.3	836.0	1 775.7	6 066.7	17 629.2	23 277.4	40 557.9	1 489.2	6.02	103	98	19 024.5	
1965 ASM....	(NA)	(NA)	1 092.8	8 586.1	797.9	1 721.7	5 698.9	16 885.6	22 273.0	38 911.4	1 452.9	6.07	98	92	18 010.2	
1964 ASM....	(NA)	(NA)	1 013.3	7 604.9	728.9	1 564.6	4 948.8	14 358.6	19 081.1	33 200.3	1 030.6	5.87	91	89	17 268.5	
1963 CENSUS.	14 220	4 537	961.1	6 950.7	690.8	1 473.9	4 521.0	13 090.3	(NA)	(NA)	761.8	5.67	86	87	16 958.4	
DETROIT-ANN ARBOR SCSA																
1977 CENSUS.	8 258	2 850	606.0	11 735.9	400.3	830.3	6 814.1	19 642.3	32 390.1	51 663.5	1 912.8	3.09	100	100	19 596.9	
1972 CENSUS.	7 814	2 676	591.0	7 576.7	393.6	823.6	4 467.3	12 699.2	18 390.1	30 809.7	1 011.0	3.08	97	98	19 028.7	
ANN ARBOR SMSA																
1977 CENSUS.	340	117	41.4	807.0	30.7	65.2	561.7	1 492.4	2 051.9	3 518.6	252.4	.21	100	100	19 596.9	
1976 ASM....	(NA)	(NA)	37.3	666.0	27.3	56.9	456.5	1 334.9	1 717.7	3 002.4	58.9	.20	90	96	18 753.0	
1975 ASM....	(NA)	(NA)	32.2	504.5	23.1	46.5	329.1	863.3	1 344.4	2 225.8	125.9	.18	78	94	18 302.2	
1974 ASM....	(NA)	(NA)	35.9	519.8	25.9	53.1	349.1	873.6	1 277.8	2 134.0	342.3	.18	87	102	19 844.8	
1973 ASM....	(NA)	(NA)	38.5	532.1	28.9	62.8	370.1	1 045.6	1 387.6	2 407.2	59.7	.19	93	102	19 897.9	
1972 CENSUS.	306	102	35.4	450.0	26.6	56.8	316.2	907.0	1 236.0	2 141.9	41.5	.19	86	98	19 028.7	
DETROIT SMSA																
1977 CENSUS.	7 918	2 733	564.6	10 928.9	369.6	765.1	6 252.4	18 149.9	30 338.2	48 144.8	1 660.3	2.88	100	100	19 596.9	
1976 ASM....	(NA)	(NA)	528.0	9 325.1	344.9	696.6	5 292.0	15 427.9	26 119.2	41 164.4	1 261.8	2.82	94	96	18 753.0	
1975 ASM....	(NA)	(NA)	492.0	7 733.6	313.8	607.3	4 215.3	11 755.9	21 261.3	33 097.6	1 097.4	2.69	87	94	18 302.2	
1974 ASM....	(NA)	(NA)	564.9	8 335.1	363.6	735.1	4 661.2	13 217.8	21 179.9	34 014.4	1 524.2	2.85	100	102	19 844.8	
1973 ASM....	(NA)	(NA)	589.5	8 234.8	396.8	844.3	4 911.4	13 563.7	20 354.1	33 673.6	872.1	2.96	104	102	19 897.9	
1972 CENSUS.	7 508	2 574	551.6	7 126.7	367.0	766.8	4 151.1	11 694.3	17 154.1	28 697.8	969.5	2.90	98	98	19 028.7	
1971 ASM....	(NA)	(NA)	522.0	6 049.1	341.5	682.2	3 441.7	9 663.0	13 937.3	25 685.4	572.6	2.84	92	94	18 363.1	
1970 ASM....	(NA)	(NA)	537.2	5 658.3	348.9	707.1	3 231.1	8 673.1	12 203.4	20 856.7	636.8	2.80	95	99	19 217.2	
1969 ASM....	(NA)	(NA)	597.0	6 119.0	407.4	844.8	3 684.0	9 922.7	13 877.7	23 800.1	677.9	2.98	106	103	20 035.5	
1968 ASM....	(NA)	(NA)	548.3	5 770.7	401.4	855.5	3 527.6	9 630.0	13 513.1	23 134.3	654.5	2.81	97	100	19 527.6	
1967 CENSUS.	7 100	2 606	584.5	5 218.8	394.3	809.8	3 101.9	8 498.1	12 022.4	20 456.0	667.8	3.02	104	99	19 323.2	
1966 ASM....	(NA)	(NA)	597.2	5 174.8	409.0	877.9	3 171.9	9 125.5	12 900.7	21 863.6	699.9	3.14	106	98	19 024.5	
1965 ASM....	(NA)	(NA)	573.5	4 825.7	392.8	851.8	2 985.2	8 775.3	12 352.8	20 987.0	739.4	3.18	102	92	18 010.2	
1964 ASM....	(NA)	(NA)	525.2	4 258.7	354.9	766.9	2 573.0	7 429.3	10 532.4	17 836.3	588.0	3.04	93	89	17 268.5	
1963 CENSUS.	7 023	2 236	493.9	3 847.2	329.7	706.0	2 293.0	6 690.4	(NA)	(NA)	378.6	2.91	87	87	16 958.4	
FLINT SMSA																
1977 CENSUS.	402	111	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	100	19 596.9	
1976 ASM....	(NA)	(NA)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	96	18 753.0	
1975 ASM....	(NA)	(NA)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	94	18 302.2	
1974 ASM....	(NA)	(NA)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	102	19 844.8	
1973 ASM....	(NA)	(NA)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	102	19 897.9	
1972 CENSUS.	371	116	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	98	19 028.7	
1971 ASM....	(NA)	(NA)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	94	18 363.1	
1970 ASM....	(NA)	(NA)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	99	19 217.2	
1969 ASM....	(NA)	(NA)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	103	20 035.5	
1968 ASM....	(NA)	(NA)	77.6	779.3	64.3	138.3	611.3	1 589.5	2 688.0	4 254.4	93.4	.40	92	100	19 527.6	
1967 CENSUS.	342	110	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	99	19 323.2	
1966 ASM....	(NA)	(NA)	77.7	681.4	64.1	138.6	534.9	1 378.7	2 449.4	2 834.2	107.0	.41	93	98	19 024.5	
1965 ASM....	(NA)	(NA)	77.3	696.2	64.4	148.0	553.7	1 500.2	2 523.1	4 019.5	113.6	.43	92	92	18 010.2	
1964 ASM....	(NA)	(NA)	69.6	566.8	57.0	125.5	441.9	1 199.7	1 955.5	3 130.8	89.4	.40	83	89	17 268.5	
1963 CENSUS.	336	98	68.9	563.5	56.5	131.2	445.9	1 145.9	(NA)	(NA)	81.5	.41	82	87	16 958.4	
GRAND RAPIDS SMSA																
1977 CENSUS.	1 359	528	82.6	1 168.9	61.8	123.6	786.8	2 582.2	2 326.5	4 869.2	177.7	.42	100	100	19 596.9	
1976 ASM....	(NA)	(NA)	77.3	969.7	57.4	115.0	646.5	2 082.4	1 983.5	4 020.2	98.4	.41	94	96	18 753.0	
1975 ASM....	(NA)	(NA)	69.8	817.6	49.9	98.5	532.2	1 721.0	1 680.8	3 416.9	102.1	.38	85	94	18 302.2	
1974 ASM....	(NA)	(NA)	78.1	847.9	57.9	117.3	576.0	1 830.9	1 691.7	3 475.9	97.3	.39	95	102	19 844.8	
1973 ASM....	(NA)	(NA)	80.6	829.2	61.5	123.4	576.6	1 759.3	1 544.7	3 280.2	104.1	.41	98	102	19 897.9	

Table 2a. Historical Statistics for the State and Selected Standard Metropolitan Statistical Areas: 1977 and Earlier Years—Con.

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Establishments ²		All employees ²		Production workers							Comparative indexes and U.S. employment			
	Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)	Value added by manu- facture (million dollars)	Cost of materials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)	Percent of U.S. manufac- turing employ- ment (per- cent)	Index of State em- ploy- ment change (1977= 100)	United States	
														Index of manufac- turing employ- ment change (1977= 100)	U.S. manu- facturing employ- ment (1,000)
LANSING-EAST LANSING SMSA															
1977 CENSUS.	462	153	41.7	782.3	33.6	72.5	599.0	1 435.5	3 854.1	5 269.2	(D)	.21	100	100	19 596.9
1976 ASM....	(NA)	(NA)	37.8	651.6	30.9	64.4	502.7	1 298.9	3 358.4	4 618.0	227.8	.20	91	96	18 753.0
1975 ASM....	(NA)	(NA)	34.2	493.8	27.4	53.1	363.8	956.5	2 464.2	3 449.8	70.5	.19	82	94	18 302.2
1974 ASM....	(NA)	(NA)	39.3	495.6	31.0	57.8	359.6	838.7	2 089.9	2 899.7	170.2	.20	94	102	19 844.8
1973 ASM....	(NA)	(NA)	44.1	581.3	34.7	75.7	436.0	1 270.9	2 430.5	3 688.5	166.6	.22	106	102	19 897.9
1972 CENSUS.	433	149	42.1	504.3	33.3	70.4	378.6	981.4	2 166.6	3 216.4	180.0	.22	101	98	19 028.7
TOLEDO, OHIO-MICH., SMSA															
1977 CENSUS.	1 247	455	92.7	1 504.2	65.2	128.4	963.6	3 203.0	5 007.8	8 169.9	259.7	.47	100	100	19 596.9
1976 ASM....	(NA)	(NA)	85.5	1 287.6	61.0	122.0	839.9	2 903.2	4 149.4	7 008.3	158.2	.46	92	96	18 753.0
1975 ASM....	(NA)	(NA)	82.6	1 097.2	57.9	111.0	703.3	2 522.9	3 529.3	6 073.6	178.0	.45	89	94	18 302.2
1974 ASM....	(NA)	(NA)	92.0	1 127.9	63.7	125.4	721.6	2 325.5	3 292.6	5 551.3	258.5	.46	99	102	19 844.8
1973 ASM....	(NA)	(NA)	95.6	1 113.3	68.4	138.1	717.4	2 156.2	2 649.3	4 775.3	129.8	.48	103	102	19 897.9
1972 CENSUS.	1 195	453	91.2	986.9	64.0	128.9	625.6	1 878.9	2 250.3	4 103.2	193.2	.48	98	98	19 028.7

(D) Withheld to avoid disclosing operations of individual companies. (NA) Not available.

¹In annual survey of manufactures (ASM) years, data are estimates based on a representative sample of establishments canvassed annually and may differ from results of a complete canvass of all establishments. ASM publication shows percentage standard errors. Unless otherwise noted, for data prior to 1963, see 1963 Census of Manufactures, vol. III, table 1 of State chapter.

²Including central administrative offices and auxiliaries (for definition, see appendix B).

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 2b. Selected Operating Ratios for the State and Selected Standard Metropolitan Statistical Areas: 1977 and Earlier Years

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials as percent of value of shipments (percent)	Cost of materials and payroll as percent of value of shipments (percent)	Value added per employee (dollars)	Payroll as percent of value added (percent)	Value added per production worker hour (dollars)
MICHIGAN									
1977 CENSUS.....	17 971	71	2 060	7.82	61	82	33 665	53	23.10
1976 ASM.....	16 499	71	2 029	7.18	61	82	30 850	53	21.55
1975 ASM.....	14 502	69	1 956	6.51	61	83	25 799	56	19.17
1974 ASM.....	13 491	70	2 009	5.94	60	83	23 992	56	17.18
1973 ASM.....	12 824	72	2 099	5.50	58	81	23 594	54	15.65
1972 CENSUS.....	11 843	71	2 060	5.11	57	81	21 721	55	14.77
1971 ASM.....	10 759	70	2 009	4.76	57	80	19 596	55	13.85
1970 ASM.....	9 805	70	2 022	4.31	56	81	17 209	57	12.23
1969 ASM.....	9 445	72	2 058	4.10	56	80	17 325	55	11.62
1968 ASM.....	9 082	73	2 100	3.89	56	80	16 906	54	11.05
1967 CENSUS.....	8 251	72	2 044	3.60	56	80	15 203	54	10.33
1966 ASM.....	8 048	73	2 124	3.42	57	80	15 386	52	9.93
1965 ASM.....	7 857	73	2 158	3.31	57	79	15 452	51	9.81
1964 ASM.....	7 505	72	2 147	3.16	57	80	14 170	53	9.18
1963 CENSUS.....	7 232	72	2 134	3.07	(NA)	(NA)	13 620	53	8.88
DETROIT-ANN ARBOR SCSA									
1977 CENSUS.....	19 367	66	2 074	8.21	63	85	32 415	60	23.66
1972 CENSUS.....	12 820	67	2 092	5.42	60	84	21 488	60	15.4
ANN ARBOR SMSA									
1977 CENSUS.....	19 498	74	2 121	8.61	58	81	36 057	54	22.89
1976 ASM.....	17 855	73	2 084	8.02	57	79	35 788	50	23.46
1975 ASM.....	15 668	72	2 013	7.08	60	83	26 811	58	18.57
1974 ASM.....	14 479	72	2 050	6.57	60	84	24 334	60	16.45
1973 ASM.....	13 821	75	2 173	5.89	58	80	27 158	51	16.65
1972 CENSUS.....	12 712	75	2 135	5.57	58	79	25 621	50	15.97

See footnotes at end of table.

Table 2b. Selected Operating Ratios for the State and Selected Standard Metropolitan Statistical Areas: 1977 and Earlier Years—Con.

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials as percent of value of shipments (percent)	Cost of materials and payroll as percent of value of shipments (percent)	Value added per employee (dollars)	Payroll as percent of value added (percent)	Value added per production worker hour (dollars)
DETROIT SMSA									
1977 CENSUS.....	19 358	65	2 070	8.17	63	86	32 148	60	23.72
1976 ASM.....	17 661	65	2 020	7.60	63	86	29 220	60	22.15
1975 ASM.....	15 719	64	1 935	6.94	64	88	23 894	66	19.36
1974 ASM.....	14 755	64	2 022	6.34	62	87	23 398	63	17.98
1973 ASM.....	13 969	67	2 128	5.82	60	85	23 009	61	16.07
1972 CENSUS.....	12 920	67	2 089	5.41	60	85	21 201	61	15.25
1971 ASM.....	11 588	65	1 998	5.05	54	78	18 511	63	14.16
1970 ASM.....	10 533	65	2 027	4.57	59	86	16 145	65	12.27
1969 ASM.....	10 250	68	2 074	4.36	58	84	16 621	62	11.75
1968 ASM.....	10 525	73	2 131	4.12	58	83	17 563	60	11.26
1967 CENSUS.....	8 929	67	2 054	3.83	59	84	14 539	61	10.49
1966 ASM.....	8 665	68	2 146	3.61	59	83	15 280	57	10.39
1965 ASM.....	8 414	68	2 169	3.50	59	82	15 301	55	10.30
1964 ASM.....	8 109	68	2 161	3.36	59	83	14 146	57	9.69
1963 CENSUS.....	7 789	67	2 141	3.25	(NA)	(NA)	13 546	58	9.48
FLINT SMSA									
1977 CENSUS.....	(D)	(D)	(D)	(D)	(D)	(D)	45 396	47	25.14
1976 ASM.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1975 ASM.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1974 ASM.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1973 ASM.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1972 CENSUS.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1971 ASM.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1970 ASM.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1969 ASM.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1968 ASM.....	10 043	83	2 151	4.42	63	81	20 483	49	11.49
1967 CENSUS.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1966 ASM.....	8 770	82	2 162	3.86	86	110	17 744	49	9.95
1965 ASM.....	9 006	83	2 298	3.74	63	80	19 408	46	10.14
1964 ASM.....	8 144	82	2 202	3.52	62	81	17 237	47	9.56
1963 CENSUS.....	8 179	82	2 322	3.40	(NA)	(NA)	16 631	49	8.73
GRAND RAPIDS SMSA									
1977 CENSUS.....	14 160	75	2 001	6.37	48	72	31 280	45	20.89
1976 ASM.....	12 545	74	2 003	5.62	49	73	26 939	47	18.11
1975 ASM.....	11 713	71	1 974	5.40	49	73	24 656	48	17.47
1974 ASM.....	10 857	74	2 026	4.91	49	73	23 443	46	15.61
1973 ASM.....	10 288	76	2 007	4.67	47	72	21 828	47	14.26
1972 CENSUS.....	9 517	76	2 016	4.24	46	72	20 219	47	13.23
1971 ASM.....	8 944	74	2 015	4.01	47	73	18 115	49	12.08
1970 ASM.....	8 404	74	2 032	3.78	46	74	16 257	52	10.77
1969 ASM.....	7 975	76	2 010	3.58	46	74	15 632	51	10.20
1968 ASM.....	7 610	78	2 053	3.35	47	74	15 110	50	9.41
1967 CENSUS.....	7 145	78	2 012	3.19	47	73	14 417	50	9.16
1966 ASM.....	6 799	79	2 034	3.02	48	74	13 626	50	8.53
1965 ASM.....	6 58	78	2 088	2.84	48	73	13 514	49	8.27
1964 ASM.....	6 345	78	2 064	2.78	48	74	12 969	49	8.04
1963 CENSUS.....	6 087	78	2 059	2.70	(NA)	(NA)	12 054	50	7.49
LANSING-EAST LANSING SMSA									
1977 CENSUS.....	18 749	80	2 159	8.26	73	88	34 406	54	19.81
1976 ASM.....	17 238	82	2 084	7.81	73	87	34 362	50	20.17
1975 ASM.....	14 439	80	1 938	6.85	71	86	27 968	52	18.01
1974 ASM.....	12 611	79	1 865	6.22	72	89	21 341	59	14.51
1973 ASM.....	13 181	79	2 182	5.76	66	82	28 819	46	16.79
1972 CENSUS.....	11 979	79	2 114	5.38	67	83	23 311	51	13.94
TOLEDO, OHIO-MICH., SMSA									
1977 CENSUS.....	16 226	70	1 968	7.51	61	80	34 551	47	24.95
1976 ASM.....	15 060	71	2 000	6.88	59	78	33 956	44	23.80
1975 ASM.....	13 283	70	1 917	6.34	58	76	30 544	43	22.73
1974 ASM.....	12 260	69	1 969	5.75	59	80	25 277	49	18.54
1973 ASM.....	11 645	72	2 019	5.19	55	79	22 554	52	15.61
1972 CENSUS.....	10 821	70	2 014	4.85	55	79	20 602	52	14.58

Note: For qualifications to data, see footnotes on table 2a.

(D) Withheld to avoid disclosing operations of individual companies. (NA) Not available.

Table 3a. Summary Statistics for the State: 1977 and 1972

[For explanation of terms, see appendix B]

Item	Unit of measure	1977	1972
All establishments ¹	number	15 627	14 467
With 1 to 19 employees	do	10 247	9 448
With 20 to 99 employees	do	3 882	3 558
With 100 employees or more	do	1 498	1 461
All employees, average for year ¹	1,000	1 115.9	1 076.2
Payroll for year, all employees ¹	mil. dollars ..	20 054.0	12 745.1
Production workers:			
Average for year	1,000	789.4	768.1
March	do	774.0	750.0
May	do	789.9	762.8
August	do	773.4	753.7
November	do	819.0	806.1
Hours	millions	1 626.3	1 582.6
January to March	do	391.9	384.3
April to June	do	412.1	398.8
July to September	do	407.8	383.1
October to December	do	414.5	416.5
Wages	mil. dollars ..	12 720.6	8 094.7
Cost of materials, etc. ²	do	56 775.9	30 821.3
Materials, parts, containers, etc., consumed	do	52 806.6	28 830.6
Resales	do	1 328.3	857.1
Fuels consumed	do	1 004.2	348.2
Purchased electric energy	do	836.6	346.0
Contract work	do	800.1	439.5
Value of shipments, including resales ²	do	93 757.1	54 039.3
Value of resales	do	1 634.7	1 031.0
Value added by manufacture	do	37 566.0	23 375.7
Manufacturers' inventories:			
Beginning of year	do	8 477.2	4 740.9
Finished products	do	1 888.4	1 178.8
Work in process	do	3 175.8	1 841.3
Materials, supplies, fuel, etc.	do	3 413.1	1 720.8
End of year	do	9 409.9	5 086.0
Finished products	do	2 065.2	1 181.8
Work in process	do	3 587.8	1 956.9
Materials, supplies, fuel, etc.	do	3 756.8	1 947.3
Capital expenditures for plant and equipment	do	3 884.9	2 147.0
New capital expenditures	do	3 739.2	2 071.4
New buildings and other structures	do	467.1	247.7
New machinery and equipment	do	3 272.1	1 823.7
Used capital expenditures	do	145.7	75.6

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies.

¹Including central administrative offices and auxiliaries (for definition, see appendix B).

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 3b. Supplemental State Statistics Based on Sample Estimates: 1977

(For explanation of terms, see appendix B. For description of annual survey of manufactures (ASM), see appendix F)

Item	Amount (million dollars)	Standard error of estimate (percent)	Item	Amount (million dollars)	Standard error of estimate (percent)
Gross value of depreciable assets:			Rental payments:		
Total:			Total	319.1	6
Beginning of year	23,313.2	1	Buildings and other structures	120.0	4
New capital expenditures	3,805.2	1	Machinery and equipment	198.9	10
Used capital expenditures	163.0	7			
Retirements	1,555.0	1	Depreciation charges during 1977:		
End of year	25,726.4	1	Total	1,606.5	1
Buildings and other structures:			Buildings and other structures	247.6	1
Beginning of year	5,862.9	1	Machinery and equipment	1,358.9	1
New capital expenditures	469.8	3			
Used capital expenditures	(32.2)	17	Supplemental labor costs:		
Retirements	119.3	4	Total	4,635.9	1
End of year	6,245.6	1	Legal costs	1,447.6	1
Machinery and equipment:			Voluntary costs	3,188.3	1
Beginning of year	17,450.2	1			
New capital expenditures	3,335.4	1	Purchased services:		
Automobiles, trucks, etc., for highway use ..	73.2	(NA)	Cost of purchased services for the repair of--		
Computers and peripheral data processing equip.	51.2	(NA)	Buildings and other structures	99.6	5
All other	3,005.0	(NA)	Response coverage ratio (percent)	64	(X)
New machinery and equipment, n.s.k.	206.0	(NA)	Machinery	573.7	3
Used capital expenditures	130.8	7	Response coverage ratio (percent)	59	(X)
Retirements	1,436.0	1	Cost of purchased communication services	(109.1)	(A)
End of year	19,480.4	1	Response coverage ratio (percent)	62	(X)

Note: Expenditures data, shown in tables 2a, 3a, and 4-8, are census universe figures and may differ from ASM sample estimates shown in this table. Table 3b figures represent best estimate of year-to-year change as measured by continuing ASM sample, but are subject to sampling errors. Hence, as estimates of level, they are not as reliable as universe figures.

(A) Indicates standard errors of 100 percent or more. Figures in parentheses have standard errors of 15 percent or more. (NA) Not available. n.s.k. Not specified by kind. (S) Withheld because estimate did not meet publication standards. (X) Not applicable.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area		1977										1972		
		All establishments ²		All employees ²		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
		Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)						
Michigan -----	-	15 627	5 380	1 115.9	20 054.0	789.4	1 626.3	12 720.6	37 566.0	56 775.9	93 757.1	3 739.2	1 076.2	23 375.7
STANDARD CONSOLIDATED STATISTICAL AREAS														
Detroit-Ann Arbor -----	-	8 258	2 850	606.0	11 735.9	400.3	830.3	6 814.1	19 642.3	32 390.1	51 663.5	1 912.8	591.0	12 699.2
STANDARD METROPOLITAN STATISTICAL AREAS														
Ann Arbor -----	-	340	117	41.4	807.0	30.7	65.2	561.7	1 492.4	2 051.9	3 518.6	252.4	35.4	907.0
Battle Creek -----	-	240	100	23.0	381.5	16.5	32.5	258.9	1 025.1	838.2	1 868.1	46.8	24.8	695.7
Bay City -----	-	144	48	10.2	166.2	7.9	16.1	123.2	339.2	364.8	691.9	44.0	9.9	201.7
Detroit -----	-	7 918	2 733	564.6	10 928.9	369.6	765.1	6 252.4	18 149.9	30 338.2	48 144.8	1 660.3	551.6	11 694.3
Flint -----	-	402	111	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Grand Rapids -----	-	1 359	528	82.6	1 168.9	61.8	123.6	786.8	2 582.2	2 326.5	4 869.2	177.7	74.9	1 514.4
Jackson -----	-	333	118	17.0	254.6	12.8	25.0	166.2	542.9	575.1	1 111.4	(D)	17.3	377.9
Kalamazoo-Portage -----	-	488	183	34.6	551.7	23.0	46.5	334.8	1 178.0	1 307.6	2 465.7	75.5	32.1	753.6
Lansing-East Lansing -----	-	462	153	41.7	782.3	33.6	72.5	599.0	1 435.5	3 854.1	5 269.2	(D)	42.1	981.4
Muskegon-Norton Shores-Muskegon Heights -----	-	304	126	22.3	329.5	16.0	32.1	218.3	666.0	586.6	1 244.5	44.1	22.8	401.6
Saginaw -----	-	236	88	34.1	708.7	27.3	59.2	548.5	1 471.5	1 648.3	3 115.7	87.3	33.8	921.1
Toledo, Ohio-Mich. -----	E5	1 247	455	92.7	1 504.2	65.2	128.4	963.6	3 203.0	5 007.8	8 169.9	259.7	91.2	1 878.9
Portion in Ohio -----	-	1 107	402	83.3	1 335.2	58.4	113.4	847.4	2 871.2	4 651.2	7 482.9	180.7	82.8	1 689.6
Portion in Michigan -----	E3	140	53	9.4	169.0	6.8	15.0	116.1	331.8	356.5	687.0	78.9	8.4	189.3
COUNTIES														
Alcona -----	E1	30	4	0.3	2.8	0.3	0.5	2.2	7.0	6.2	12.9	0.3	0.2	2.7
Alger -----	-	35	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.7	13.9
Allegan -----	-	150	66	9.1	110.7	7.1	13.8	77.1	309.0	332.6	632.3	38.5	7.6	154.2
Alpena -----	E1	57	13	3.0	44.0	2.2	4.7	32.3	95.6	72.1	173.7	4.6	2.9	85.8
Antrim -----	-	51	11	1.6	18.1	1.4	2.6	13.8	39.2	33.9	73.0	1.3	1.2	19.4
Arenac -----	-	24	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Baraga -----	E1	42	6	0.7	8.6	0.5	1.2	6.2	13.6	32.5	44.9	(D)	0.7	12.0
Barry -----	-	37	14	2.7	38.7	1.9	3.8	24.8	81.0	73.9	153.5	2.6	3.3	60.7
Bay -----	-	144	48	10.2	166.2	7.9	16.1	123.2	339.2	364.8	691.9	44.0	9.9	201.7
Benzie -----	-	21	8	0.7	7.1	0.6	1.2	5.2	21.7	23.2	44.8	0.9	0.7	7.4
Berrien -----	-	371	139	24.9	354.9	18.3	35.7	227.0	744.0	909.1	1 661.1	36.5	28.3	546.2
Branch -----	-	93	41	5.0	56.4	3.9	8.0	40.4	122.1	187.9	309.8	8.8	3.6	58.9
Calhoun -----	-	203	86	20.3	342.8	14.7	28.7	234.1	944.2	764.3	1 714.6	44.2	21.6	635.1
Cass -----	-	91	34	4.3	50.9	3.5	6.8	36.9	98.2	143.3	241.8	6.3	3.5	59.2
Charlevoix -----	-	52	18	2.1	24.4	1.7	3.3	17.3	70.9	44.0	116.2	4.0	2.0	45.4
Cheboygan -----	-	38	9	1.1	13.4	0.8	1.5	9.3	46.1	62.5	108.7	1.5	1.1	22.1
Chippewa -----	-	39	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	3.1
Clare -----	-	44	12	1.0	9.2	0.8	1.5	6.5	20.8	29.2	50.0	0.7	0.5	10.0
Clinton -----	-	40	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.7	35.2
Crawford -----	-	22	6	0.7	7.6	0.5	0.9	4.2	23.7	11.5	34.4	0.9	0.5	7.8
Delta -----	-	73	18	3.2	46.5	2.4	4.7	34.8	122.2	131.6	261.0	6.2	2.6	40.7
Dickinson -----	-	70	19	2.4	26.4	1.8	3.5	17.8	54.1	50.0	102.0	3.7	1.7	22.2
Eaton -----	-	91	34	4.3	54.8	3.4	6.3	36.9	112.4	123.3	234.3	5.0	3.1	59.9
Emmet -----	-	41	12	1.3	14.3	1.0	2.1	10.2	27.6	30.5	57.5	2.9	0.9	13.3
Genesee -----	-	310	74	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Gladwin -----	-	25	6	0.5	6.8	0.4	0.8	4.8	15.0	17.2	32.1	0.6	0.6	7.9
Gogebic -----	E1	52	10	0.9	8.2	0.7	1.4	6.4	12.8	14.2	26.0	2.2	1.0	12.4
Grand Traverse -----	-	91	31	3.7	39.7	2.9	5.2	25.9	107.1	97.9	202.3	6.3	3.0	48.8
Gratiot -----	-	38	16	2.6	34.5	2.2	4.4	26.3	119.7	315.9	433.8	(D)	3.5	79.4
Hillsdale -----	-	89	32	4.4	56.4	3.6	7.1	41.8	145.4	218.7	363.1	6.1	4.1	85.1
Houghton -----	E1	48	13	0.8	6.7	0.6	1.1	4.6	13.1	17.0	30.2	0.6	0.7	9.3
Huron -----	E1	64	20	1.9	24.7	1.6	3.1	17.6	53.8	56.5	108.8	4.6	1.7	29.6
Ingham -----	-	257	81	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	33.1	814.7
Ionia -----	-	74	27	5.5	71.2	4.5	9.0	54.7	172.4	254.6	417.4	7.9	4.2	71.6
Iosco -----	-	41	16	1.1	9.7	1.0	1.8	7.7	24.6	23.0	47.2	1.8	0.8	11.8
Iron -----	E2	43	5	0.6	4.9	0.5	0.8	3.9	8.5	11.0	19.4	0.3	0.2	1.7
Isabella -----	E1	27	8	1.0	13.2	0.8	1.6	9.1	31.0	32.4	61.2	1.3	0.7	10.2
Jackson -----	-	333	118	17.0	254.6	12.8	25.0	166.2	542.9	575.1	1 111.4	(D)	17.3	377.9
Kalamazoo -----	-	366	139	30.0	499.2	19.3	39.4	296.2	1 055.0	1 179.2	2 216.6	(D)	27.1	671.7
Kalkaska -----	-	9	2	0.1	1.5	0.1	0.2	1.0	2.5	1.8	4.3	(D)	0.1	1.3
Kent -----	-	991	385	62.4	917.6	46.9	94.7	629.0	1 995.4	1 765.7	3 733.4	133.1	58.0	1 198.8
Keweenaw -----	-	4	3	0.1	0.9	0.1	0.1	0.6	1.2	1.5	2.7	(D)	0.1	0.5
Lake -----	E6	10	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.1	0.9
Lapeer -----	-	79	32	2.9	36.2	2.2	4.1	22.9	70.2	83.5	152.1	4.5	2.2	39.6
Leelanau -----	E2	26	4	0.2	1.9	0.2	0.3	1.5	5.2	5.1	10.2	0.3	0.2	2.6
Lenawee -----	-	176	67	11.2	161.9	8.7	17.2	117.2	334.8	486.6	820.5	18.8	12.2	251.7
Livingston -----	-	120	55	4.1	53.7	2.9	5.9	32.6	131.6	141.0	270.4	10.0	3.6	64.1
Luce -----	E4	27	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	2.8
Mackinac -----	E4	23	3	0.2	1.2	0.1	0.2	0.7	2.6	2.3	4.9	0.2	0.1	2.2
Macomb -----	-	1 740	591	109.9	2 108.0	70.0	147.0	1 124.5	3 129.9	4 745.0	7 824.3	242.5	92.5	1 654.0
Manistee -----	-	44	16	2.7	35.7	2.1	3.9	25.4	82.7	94.0	172.8	11.8	2.5	42.2
Marquette -----	E1	61	13	1.1	12.4	0.7	1.3	7.6	25.0	32.0	57.2	2.2	1.1	16.3
Mason -----	-	51	23	2.5	29.9	1.9	3.6	20.1	83.7	94.6	176.4	7.6	2.1	44.5
Mecosta -----	-	38	16	1.6	14.5	1.3	2.5	10.9	40.6	33.7	73.3	3.0	1.5	13.9
Menominee -----	-	83	29	3.0	29.5	2.4	4.6	21.3	58.9	68.8	127.0	3.3	2.4	29.2
Midland -----	-	44	14	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Missaukee -----	E3	19	1	0.1	1.0	0.1	0.1	0.5	2.4	2.4	4.7	0.1	(Z)	(NA)
Monroe -----	-	140	53	9.4	169.0	6.8	15.0	116.1	331.8	356.5	687.0	78.9	8.4	189.3
Montcalm -----	-	60	22	4.3	51.9	3.5	6.9	37.5	135.2	156.7	289.9	5.6	4.3	79.6
Montmorency -----	-	25	4	0.7	5.3	0.6	0.9	3.5	16.4	14.3	30.1	0.7	0.8	10.9

See footnotes at end of table.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area	E ¹	1977										1972			
		All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)	
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)							
COUNTIES—Con.															
Muskegon	-	273	115	21.4	323.3	15.4	31.0	213.9	649.2	565.2	1 206.5	43.2	22.1	392.3	
Newaygo	-	36	7	1.8	24.6	0.8	1.6	7.2	46.9	94.1	140.8	(D)	1.8	39.4	
Oakland	-	2 285	750	104.1	1 921.4	70.2	149.2	1 159.7	3 633.4	6 244.6	9 832.3	505.1	90.6	2 070.0	
Oceana	-	31	11	0.8	6.2	0.7	1.2	4.4	16.8	21.4	38.0	0.9	0.7	9.2	
Ogemaw	-	38	10	0.8	9.4	0.7	1.3	6.7	26.9	97.7	123.4	2.7	0.6	19.7	
Ontonagon	-	21	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Osceola	-	35	9	1.8	21.1	1.4	2.7	15.0	46.6	54.4	98.0	1.6	1.9	30.5	
Oscoda	-	28	5	0.3	3.0	0.3	0.5	2.7	12.0	17.7	29.5	0.4	0.1	2.7	
Otsego	E1	40	5	0.7	9.7	0.6	1.2	7.3	18.7	23.1	41.4	(D)	0.9	19.4	
Ottawa	-	368	143	20.1	251.3	14.9	28.9	157.8	586.8	560.7	1 135.7	44.6	16.9	315.6	
Presque Isle	E1	30	3	0.3	2.4	0.2	0.3	1.4	4.0	14.5	18.5	0.2	0.2	1.4	
Roscommon	E1	31	6	0.4	4.2	0.3	0.7	3.4	9.8	11.8	21.6	0.4	0.4	7.2	
Saginaw	-	236	88	34.1	708.7	27.3	59.2	548.5	1 471.5	1 648.3	3 115.7	87.3	33.8	921.1	
St. Clair	-	214	71	9.1	123.0	6.5	13.0	79.0	255.7	375.5	639.3	17.7	10.3	174.2	
St. Joseph	-	175	83	9.1	111.3	7.0	13.8	76.8	293.6	318.9	609.0	15.6	8.9	200.8	
Sanilac	-	86	31	3.6	38.4	2.9	5.8	26.5	70.0	93.8	161.9	5.1	3.6	50.4	
Schoolcraft	E1	30	2	0.3	4.2	0.3	0.5	3.4	11.6	7.5	19.0	(D)	0.2	4.1	
Shiawassee	-	92	37	5.4	64.3	3.8	7.4	41.0	115.2	112.3	225.5	9.0	5.4	74.2	
Tuscola	-	75	28	3.0	35.9	2.4	4.6	25.6	90.7	76.7	166.1	6.1	2.8	46.9	
Van Buren	-	122	44	4.6	52.5	3.7	7.2	38.7	123.0	128.4	249.0	(D)	5.0	83.0	
Washtenaw	-	340	117	41.4	807.0	30.7	65.2	561.7	1 492.4	2 051.9	3 518.6	252.4	35.4	907.0	
Wayne	-	3 480	1 234	334.5	6 686.6	217.7	445.9	3 833.6	10 929.1	18 748.5	29 426.4	880.6	352.4	7 692.5	
Wexford	-	74	22	2.7	29.0	2.1	4.1	18.6	60.4	68.7	128.6	3.0	2.6	44.8	
CITIES															
Adrian	-	54	24	3.8	51.4	3.0	5.7	38.1	107.2	155.6	262.2	4.5	5.0	99.1	
Albion	-	20	9	2.7	37.7	1.9	3.5	23.3	71.5	71.7	144.4	7.3	3.6	77.8	
Allegan	-	16	11	1.8	22.7	1.5	2.8	17.1	59.0	44.2	102.2	4.3	(D)	(D)	
Allen Park	-	20	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Alma	-	13	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.1	51.1	
Alpena	-	37	11	2.9	43.2	2.2	4.5	31.6	93.2	70.5	169.7	4.5	(D)	(D)	
Ann Arbor	-	121	29	5.8	98.0	2.7	5.2	36.2	134.6	112.5	240.2	(D)	(D)	(D)	
Battle Creek	-	84	38	10.2	189.9	7.5	15.1	131.7	612.6	426.9	1 037.9	25.8	10.2	376.8	
Bay City	-	72	25	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	7.8	160.3	
Belding	-	19	9	1.6	19.8	1.3	2.5	13.8	55.1	122.4	170.2	2.6	1.5	16.6	
Benton Harbor	-	57	24	4.0	52.6	3.1	6.1	36.4	96.0	121.4	224.4	6.0	(D)	(D)	
Berkley	E2	32	8	0.5	7.4	0.3	0.7	4.7	10.7	6.6	17.3	(D)	(NA)	(NA)	
Big Rapids	-	25	14	1.5	13.2	1.2	2.3	9.9	37.7	28.8	65.5	2.4	1.3	10.8	
Birmingham	-	45	13	1.1	17.0	0.6	1.1	6.3	28.1	24.3	52.1	(D)	1.7	28.8	
Boyer City	E3	8	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Brighton	E1	30	14	0.8	11.5	0.6	1.3	7.2	26.4	31.6	57.7	2.0	(NA)	(NA)	
Buchanan	-	11	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Burton	E2	29	9	0.5	8.2	0.4	0.9	5.8	15.8	14.7	30.1	0.8	(NA)	(NA)	
Cadillac	-	43	20	2.3	25.1	1.8	3.4	15.7	52.5	64.7	116.8	2.6	(D)	(D)	
Caro	-	18	7	0.5	6.0	0.4	0.8	3.9	21.4	18.2	38.9	(D)	(NA)	(NA)	
Center Line	-	31	13	1.7	29.8	0.9	1.8	10.8	28.9	36.2	63.4	2.6	2.7	43.4	
Charlevoix	-	21	9	0.7	8.9	0.6	1.1	6.7	30.1	21.1	50.6	2.0	(D)	(D)	
Charlotte	-	27	8	2.3	30.7	2.0	3.7	23.2	66.9	62.4	129.3	2.4	1.8	33.6	
Cheboygan	-	20	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Chelsea	-	18	12	1.5	24.2	1.1	2.4	17.3	68.2	54.2	122.9	(D)	1.5	30.1	
Chesaning	E1	11	6	0.7	8.5	0.5	0.9	5.7	25.8	48.3	74.0	1.1	0.6	6.7	
Clare	-	18	8	0.6	5.8	0.5	0.9	4.0	14.2	20.5	34.9	0.2	(NA)	(NA)	
Clawson	-	48	15	1.2	19.4	0.8	1.7	11.4	36.4	21.6	57.5	(D)	0.8	17.7	
Coldwater	-	43	21	2.7	30.3	2.1	4.2	22.2	60.2	78.1	137.3	4.3	2.2	36.2	
Corunna	-	7	4	0.5	5.1	0.3	0.6	2.8	11.9	8.7	20.6	(D)	0.5	8.6	
Dearborn	-	167	77	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Dearborn Heights	E1	54	11	1.0	15.2	0.6	1.2	7.2	39.3	39.0	78.0	3.0	0.9	18.3	
Detroit	-	1 954	674	153.3	2 881.9	107.5	223.8	1 864.5	5 490.0	9 685.2	15 003.0	372.8	180.4	4 048.7	
Dowagiac	E2	35	14	2.0	23.5	1.5	3.0	16.4	43.0	53.4	96.6	2.1	1.8	27.0	
Durand	-	12	4	0.6	8.0	0.5	0.9	5.1	17.5	12.5	29.8	(D)	0.6	9.0	
East Detroit	E1	48	12	1.9	18.1	1.4	2.8	11.5	24.1	19.5	43.1	1.4	1.0	16.4	
Ecorse	-	26	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Escanaba	-	30	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Farmington	E1	53	13	0.8	12.5	0.6	1.3	7.8	22.2	18.8	39.3	(D)	1.3	22.7	
Quakertown North (U)	-	133	45	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)	
Fenton	-	32	10	0.9	12.2	0.6	1.3	8.3	22.8	24.9	44.7	2.6	(NA)	(NA)	
Ferndale	-	135	63	4.4	74.8	2.9	6.2	43.4	146.3	175.1	320.7	5.2	4.5	96.4	
Flat Rock	-	8	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Flint	-	122	36	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Frankenmuth	-	9	3	0.6	8.3	0.4	0.7	5.6	29.0	24.0	53.2	(D)	0.6	16.8	
Fraser	-	107	39	3.2	57.1	2.5	5.4	40.2	116.4	89.5	195.5	7.1	2.2	49.8	
Fremont	-	13	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Grand Haven	-	73	35	5.0	62.9	3.7	6.9	39.3	116.4	130.8	246.4	7.1	4.3	79.9	
Grand Rapids	-	494	183	30.3	434.2	22.1	44.4	285.3	857.4	690.3	1 530.4	60.1	31.0	576.9	
Grandville	-	28	13	1.8	23.7	1.5	2.9	17.1	48.3	54.5	101.0	5.3	1.7	27.6	
Greenville	-	17	13	3.3	40.1	2.7	5.4	29.8	109.6	113.9	221.3	4.3	3.0	57.0	
Hamtramck	-	47	19	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	13.2	294.8	
Hastings	-	14	6	2.1	31.7	1.3	2.7	19.7	69.0	56.8	124.6	2.0	2.2	41.1	
Hazel Park	E2	111	19	1.4	20.6	1.1	2.2	13.5	35.3	20.2	55.4	(D)	1.5	23.1	
Highland Park	E2	40	18	10.7	247.7	1.0	2.0	12.6	41.2	40.7	81.0	0.9	12.1	53.6	
Hillsdale	-	33	15	2.1	27.5	1.7	3.5	21.9	85.3	119.5	202.6	4.0	2.1	43.7	
Holland	-	127	54	8.2	100.4	6.2	12.0	64.6	266.2	250.1	509.9	29.4	7.8	164.1	
Howell	-	26	12	0.9	11.4	0.6	1.3	7.3	33.6	35.8	68.7	4.6	1.0	15.9	
Hudson	-	20	9	0.6	8.3	0.5	1.0	5.1	15.7	18.5	34.0	1.9	0.5	7.6	

See footnotes at end of table.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

1977														1972	
Geographic area	E ¹	All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)	
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)							
CITIES—Con.															
Inkster	E1	25	8	0.8	12.2	0.6	1.3	8.2	21.8	13.6	35.6	0.9	1.2	23.5	
Ionia	-	11	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.8	12.9	
Ithaca	-	13	5	0.7	5.4	0.6	1.1	4.2	17.4	16.6	34.2	0.1	0.7	12.4	
Jackson	-	152	58	10.0	150.2	7.7	14.8	104.6	333.8	347.0	677.6	(D)	10.2	245.4	
Kalamazoo	-	193	72	16.5	276.7	11.2	23.4	177.0	537.8	717.1	1 243.8	32.4	15.7	299.2	
Kentwood	-	37	19	2.2	30.2	1.5	3.2	16.9	73.0	62.6	133.5	6.1	1.2	19.1	
Kingsford	-	17	11	1.4	16.7	1.0	2.0	10.8	33.7	25.3	57.8	1.3	0.9	13.0	
Lansing	-	161	51	27.9	598.9	22.6	50.9	467.6	1 020.0	3 316.5	4 327.5	352.7	30.9	769.5	
Lapeer	E1	15	7	0.6	7.2	0.5	1.0	5.1	16.4	19.8	35.8	0.7	0.6	10.4	
Lincoln Park	-	27	5	0.6	9.2	0.4	0.7	5.5	22.9	31.6	51.3	(D)	0.6	16.5	
Livonia	-	285	114	26.3	510.8	18.2	38.2	327.2	872.8	992.5	1 855.1	85.6	21.1	500.6	
Lowell	-	15	6	0.8	9.9	0.6	1.3	6.7	22.4	26.1	48.8	1.1	(D)	(D)	
Ludington	-	34	18	2.1	25.4	1.5	2.8	16.8	74.0	76.2	148.4	6.8	1.8	40.3	
Madison Heights	-	237	85	7.0	120.0	4.6	9.7	66.5	246.7	193.7	430.6	11.5	5.1	105.4	
Manistee	-	19	10	1.7	22.7	1.4	2.5	16.0	49.9	59.8	106.0	(D)	1.5	23.9	
Marine City	E2	26	9	0.7	7.3	0.6	1.1	5.2	15.6	16.7	32.3	(D)	0.5	8.1	
Marquette	-	23	6	0.5	5.8	0.3	0.5	2.9	13.0	13.7	27.1	0.7	0.7	10.2	
Marshall	-	28	14	2.0	28.5	1.5	2.9	19.5	73.4	66.6	139.9	4.3	2.1	39.4	
Marysville	-	25	11	1.5	21.9	1.1	2.2	12.9	46.8	70.8	118.6	5.1	1.6	31.0	
Mason	-	16	6	0.5	6.3	0.4	0.9	4.9	24.2	24.7	48.1	0.6	0.6	14.8	
Melvindale	E1	41	18	1.1	15.8	0.9	1.7	10.5	31.3	33.3	64.9	1.2	1.0	20.9	
Menominee	-	34	19	2.3	24.0	1.8	3.4	17.1	49.9	44.4	93.8	2.0	1.8	22.0	
Midland	-	33	12	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Milan	-	20	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.7	11.7	
Monroe	-	48	23	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Mount Clemens	-	93	33	3.9	69.9	2.8	5.7	43.3	171.5	160.7	329.8	14.8	3.9	80.6	
Mount Pleasant	-	13	5	0.7	7.9	0.6	1.1	5.8	22.7	20.7	41.2	1.0	0.6	8.9	
Munising	-	14	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Muskegon	-	113	53	8.8	124.5	6.2	12.4	81.6	261.2	221.4	478.8	13.9	9.8	158.4	
Muskegon Heights	-	42	18	4.2	68.6	2.9	6.2	45.6	93.2	69.6	162.4	11.6	3.8	54.8	
Niles	-	45	17	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	4.8	122.3	
Northville	-	16	7	0.6	9.5	0.4	0.9	6.2	18.0	16.7	34.6	1.4	0.5	15.7	
Norton Shores	-	30	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Norway	-	9	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)	
Novi	E1	54	22	2.1	27.8	1.7	3.1	18.9	48.9	60.5	107.9	1.9	1.4	24.3	
Oak Park	-	115	39	2.9	46.2	1.9	3.8	25.0	75.7	45.7	120.5	3.4	3.0	56.1	
Otsego	-	16	9	1.7	22.2	1.3	2.6	16.0	50.8	45.1	94.6	(D)	1.5	29.3	
Owosso	-	46	19	3.2	35.5	2.2	4.2	21.9	56.0	46.2	101.4	2.2	3.3	38.7	
Petoskey	-	29	10	1.0	11.9	0.9	1.8	8.8	23.6	24.3	47.9	2.6	0.8	12.0	
Plainwell	-	18	5	0.8	9.9	0.6	1.2	7.4	25.1	30.7	53.6	(D)	(D)	(D)	
Plymouth	-	38	12	1.1	16.0	0.9	1.8	11.4	34.9	31.4	65.7	0.9	1.9	32.7	
Pontiac	-	58	22	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Portage	-	63	20	6.1	112.0	3.2	6.1	51.1	289.0	212.1	499.6	(D)	5.1	226.9	
Port Huron	-	55	25	4.6	63.2	3.2	6.4	42.5	139.0	236.4	383.0	6.2	6.3	108.2	
Portland	-	11	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	14.5	
River Rouge	-	21	11	3.2	54.0	2.7	5.1	41.8	100.4	132.3	236.0	3.8	4.1	104.9	
Riverview	-	15	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Rochester	-	49	14	1.1	15.6	0.9	1.8	10.2	29.4	30.8	60.3	1.8	1.2	18.2	
Romulus	-	82	36	4.3	85.7	3.2	6.8	52.3	127.6	148.8	276.2	7.9	4.0	69.8	
Roosevelt Park	-	5	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Roseville	E1	221	89	6.0	84.8	4.7	9.6	59.2	153.4	130.5	280.2	8.3	4.3	83.3	
Royal Oak	E1	134	31	2.9	41.7	2.2	4.2	26.4	92.0	58.6	149.6	9.9	2.6	47.7	
Saginaw	-	96	43	20.0	436.5	16.1	35.7	341.5	691.6	1 019.0	1 705.1	49.1	20.6	445.1	
St. Clair	-	17	6	0.8	12.2	0.5	1.1	6.4	20.5	19.7	40.2	(D)	0.6	9.2	
St. Clair Shores	E1	101	22	2.1	27.6	1.7	3.2	19.4	62.0	68.1	130.0	2.5	1.4	32.1	
St. Johns	-	17	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.1	24.4	
St. Joseph	-	38	18	6.4	88.6	4.6	9.0	54.6	217.3	215.3	424.6	6.0	7.7	172.4	
Saline	-	10	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Southfield	E1	188	62	6.6	128.8	2.7	5.6	37.1	113.6	87.7	199.5	5.1	5.0	51.4	
South Haven	-	30	14	2.3	29.0	1.9	3.8	23.0	62.0	54.7	115.3	2.2	2.1	33.3	
South Lyon	-	6	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Sparta	-	15	7	0.8	11.7	0.6	1.4	8.9	15.6	15.2	30.5	1.4	0.9	16.9	
Springfield	-	16	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Spring Lake	E4	24	5	0.5	5.8	0.4	0.7	3.6	11.7	10.5	22.0	0.8	0.5	10.2	
Sterling Heights	-	112	45	14.8	335.1	11.5	26.2	243.0	617.6	788.3	1 410.7	98.4	6.3	119.1	
Sturgis	-	57	26	3.6	48.6	2.7	5.4	32.6	165.9	123.5	288.5	6.1	3.6	95.3	
Taylor	-	78	24	2.0	28.1	1.2	2.2	13.9	45.5	40.3	85.2	2.9	1.7	28.1	
Tecumseh	-	21	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Three Rivers	-	43	20	2.3	28.0	1.7	3.1	18.4	58.9	84.4	142.8	5.6	2.6	65.6	
Traverse City	-	53	20	2.1	24.3	1.5	2.7	15.4	59.3	47.1	104.8	4.0	2.4	40.5	
Trenton	-	17	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	8.7	265.8	
Troy	-	380	157	15.0	259.5	7.7	15.9	98.2	331.6	314.3	630.4	(D)	10.2	127.7	
Vassar	-	8	6	0.9	12.7	0.7	1.4	9.7	28.0	20.3	48.4	(D)	0.9	18.2	
Walker	-	62	26	4.6	73.6	3.7	7.5	54.9	144.6	155.6	302.3	6.3	7.0	150.4	
Walled Lake	-	25	9	1.1	12.4	0.7	1.2	5.6	20.8	17.3	38.1	2.1	1.1	16.2	
Warren	-	713	253	58.1	1 195.8	30.1	63.1	493.6	1 381.6	2 582.7	3 921.0	76.1	59.4	973.5	
Wayne	-	26	16	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Whitehall	-	12	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Wixom	-	17	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)	
Woodhaven	-	3	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Wyandotte	-	57	31	5.9	102.8	3.5	6.9	50.4	167.3	198.6	364.2	23.7	4.3	104.3	
Wyoming	-	187	81	16.0	264.5	12.9	26.4	201.3	591.1	560.8	1 144.1	31.7	10.8	261.8	
Ypsilanti	-	26	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Zeeland	E2	38	25	3.6	47.4	2.3	4.6	23.1	162.4	82.2	242.5	17.2	2.1	38.8	

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Including central administrative offices and auxiliaries (for definition, see appendix B).

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital ex- penditures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	All Industries -----	-	15 627	5 380	1 115.9	20 054.0	789.4	1 626.3	12 720.6	37 566.0	56 775.9	93 757.1	3 739.2	1 076.2	23 375.7
20	Food and kindred products -----	-	829	337	46.2	653.3	32.5	64.2	415.2	2 113.7	3 474.8	5 586.8	141.4	48.1	1 306.3
201	Meat products -----	-	170	55	6.6	94.2	5.4	11.1	69.3	216.0	997.3	1 210.8	16.9	7.0	134.9
2011	Meat packing plants -----	E1	105	25	2.9	42.1	2.4	5.3	32.1	102.1	623.9	725.8	9.3	3.4	59.8
2013	Sausages and other prepared meats -----	-	58	28	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.1	68.2
2016	Poultry dressing plants -----	-	4	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
202	Dairy products -----	-	113	54	5.8	79.6	3.1	6.3	39.6	260.0	687.4	950.4	12.0	6.2	153.5
2022	Cheese, natural and processed -----	-	11	3	0.2	2.0	0.2	0.3	1.6	8.4	31.7	40.2	(D)	0.3	5.0
2023	Condensed and evaporated milk -----	-	12	11	1.2	16.3	0.9	1.9	12.4	102.4	155.0	260.3	4.5	1.0	41.1
2024	Ice cream and frozen desserts -----	E1	25	11	0.7	9.1	0.4	0.7	3.6	17.3	45.9	62.6	0.9	0.7	13.4
2026	Fluid milk -----	-	59	28	3.6	51.6	1.5	3.3	21.5	130.9	438.0	569.3	5.5	4.1	88.0
203	Preserved fruits and vegetables -----	-	128	71	8.4	77.6	7.0	12.9	54.6	273.1	441.1	715.7	12.3	8.3	173.9
2032	Canned specialties -----	-	4	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2033	Canned fruits and vegetables -----	-	48	31	2.4	22.2	1.9	3.8	15.0	57.4	144.8	202.2	2.5	3.1	54.3
2035	Pickles, sauces, and salad dressings -----	-	41	13	2.1	17.6	1.9	3.2	14.4	66.4	75.2	143.5	1.4	2.2	49.1
2037	Frozen fruits and vegetables -----	-	19	16	1.7	15.3	1.5	2.8	10.7	48.4	70.8	118.9	4.2	EE	(D)
2038	Frozen specialties -----	-	15	8	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.8	14.0
204	Grain mill products -----	-	60	18	6.7	129.6	5.5	11.4	103.5	559.4	415.8	975.8	22.2	6.8	343.8
2041	Flour and other grain mill products -----	-	15	7	0.6	9.6	0.4	0.9	5.8	52.1	70.3	123.8	0.8	CC	(D)
2043	Cereal breakfast foods -----	-	4	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
2048	Prepared feeds, n.e.c. -----	-	27	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	9.3
205	Bakery products -----	-	128	45	7.3	99.6	4.7	8.7	58.1	231.2	175.8	406.2	21.4	8.7	174.6
2051	Bread, cake, and related products -----	-	117	38	6.0	84.6	3.6	6.8	47.0	194.0	129.1	322.6	(D)	7.3	154.2
2052	Cookies and crackers -----	-	11	7	1.3	15.0	1.1	1.9	11.1	37.1	46.7	83.5	(D)	1.4	20.4
206	Sugar and confectionery products -----	E1	36	11	1.9	21.5	1.6	3.1	16.3	95.7	89.1	184.1	15.2	1.5	35.8
2063	Beet sugar -----	-	5	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2065	Confectionery products -----	E1	31	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	6.0
207	Fats and oils -----	-	19	9	0.7	12.0	0.5	0.9	7.0	33.9	58.9	92.4	3.5	0.6	17.0
2077	Animal and marine fats and oils -----	-	13	7	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2079	Shortening and cooking oils -----	-	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
208	Beverages -----	-	89	44	6.4	112.7	3.2	6.6	51.1	366.0	479.8	844.0	34.6	6.8	226.8
2082	Malt beverages -----	-	4	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2085	Distilled liquor, except brandy -----	-	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2086	Bottled and canned soft drinks -----	-	63	32	3.9	60.9	1.5	3.0	19.2	173.8	227.2	400.1	17.2	4.2	101.8
2087	Flavoring extracts and sirups, n.e.c. -----	E1	9	3	0.2	2.2	0.1	0.2	0.9	11.7	11.1	22.2	(D)	(NA)	(NA)
209	Miscellaneous foods and kindred products -----	E1	86	30	2.5	26.5	1.6	3.2	15.7	78.5	129.6	207.5	3.5	2.3	45.9
2098	Macaroni and spaghetti -----	-	4	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2099	Food preparations, n.e.c. -----	-	56	26	1.9	22.1	1.3	2.6	13.2	65.1	93.0	157.9	2.8	1.9	37.5
22	Textile mill products --	-	43	15	2.6	38.8	2.0	4.2	26.5	97.9	98.4	196.2	8.0	2.8	60.0
225	Knitting mills -----	E2	5	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2254	Knit underwear mills -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
226	Textile finishing, except wool -----	-	5	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2269	Finishing plants, n.e.c. -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
229	Miscellaneous textile goods -----	-	23	10	2.0	33.2	1.5	3.2	22.7	88.4	87.8	176.2	7.7	2.3	52.8
2293	Paddings and upholstery filling -----	-	4	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	4.2
2295	Coated fabrics, not rubberized -----	-	5	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2297	Nonwoven fabrics -----	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

(Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B)

Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]															
SIC code	Industry	1977												1972	
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital ex- pend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
23	Apparel and other textile products -----	-	241	81	25.5	390.6	21.9	43.2	313.5	820.6	937.2	1 757.1	(D)	20.4	411.2
232	Men's and boys' furnishings ---	-	17	12	1.2	7.7	1.0	1.7	5.6	19.3	21.8	40.0	(D)	0.7	5.5
2321	Men's and boys' shirts and nightwear -----	-	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2328	Men's and boys' work clothing -----	-	3	3	0.3	1.7	0.2	0.4	1.3	2.7	7.1	9.3	(D)	(NA)	(NA)
2329	Men's and boys' clothing, n.e.c. -----	-	8	5	0.6	3.8	0.5	0.8	2.5	11.0	9.6	19.8	(D)	BB	(D)
233	Women's and misses' outerwear -----	E1	29	8	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.6	6.1
2335	Women's and misses' dresses -----	E4	18	2	0.3	1.7	0.2	0.4	1.3	3.2	2.0	5.2	(D)	AA	(D)
2337	Women's and misses' suits and coats -----	-	4	3	0.3	2.2	0.2	0.3	1.2	3.0	2.7	5.7	(D)	(NA)	(NA)
234	Women's and children's undergarments -----	-	6	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.4	12.7
2341	Women's and children's underwear -----	-	5	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
236	Children's outerwear -----	E1	8	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2361	Children's dresses and blouses -----	E3	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2369	Children's outerwear, n.e.c. ---	-	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(NA)
238	Miscellaneous apparel and accessories -----	-	14	8	0.9	7.2	0.8	1.5	5.6	13.5	17.1	31.5	(D)	1.4	13.0
2384	Robes and dressing gowns ---	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2385	Waterproof outer garments ---	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2386	Leather and sheep lined clothing -----	-	4	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
239	Miscellaneous fabricated textile products -----	-	161	44	21.5	362.5	18.6	37.4	294.1	761.4	867.6	1 629.4	(D)	16.0	370.5
2391	Curtains and draperies -----	E2	31	5	0.3	2.2	0.2	0.4	1.5	3.2	2.8	5.8	0.1	0.4	2.9
2392	House furnishings, n.e.c. -----	E3	19	2	0.2	1.4	0.2	0.4	1.1	3.2	2.8	6.0	0.1	BB	(D)
2394	Canvas and related products -----	E1	49	7	0.6	5.6	0.5	0.9	3.4	12.3	11.4	23.4	0.4	0.6	5.4
2396	Automotive and apparel trimmings -----	-	25	18	17.8	323.9	15.5	31.7	266.5	685.6	777.3	1 465.0	(D)	FF	(D)
2399	Fabricated textile products, n.e.c. -----	-	17	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.7	15.8
24	Lumber and wood products -----	E1	1 168	182	15.0	152.5	12.4	23.2	110.7	303.7	383.4	583.6	37.4	16.1	233.8
2411	Logging camps and logging contractors -----	E6	440	5	1.0	10.3	0.9	1.5	8.4	23.3	29.9	53.2	4.2	1.2	12.8
242	Sawmills and planing mills ---	E1	216	42	3.4	29.1	2.9	5.6	22.9	58.3	61.6	118.8	5.7	2.8	34.6
2421	Sawmills and planing mills, general -----	E1	186	29	2.4	21.2	2.1	4.0	16.7	43.8	45.8	88.4	4.9	2.0	26.1
2426	Hardwood dimension and flooring -----	-	29	13	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
243	Millwork, plywood, and structural members -----	E1	165	50	4.2	46.2	3.4	6.3	32.2	90.3	120.4	209.2	6.1	3.2	48.0
2431	Millwork -----	E3	72	15	1.7	18.1	1.3	2.4	12.2	38.1	61.9	99.9	2.4	1.2	17.9
2434	Wood kitchen cabinets -----	E1	52	14	1.2	13.8	1.0	1.9	9.9	26.9	26.4	53.2	(D)	0.9	13.8
2435	Hardwood veneer and plywood -----	-	5	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	4.3
2439	Structural wood members, n.e.c. -----	-	34	17	0.9	10.4	0.7	1.3	7.0	21.4	25.7	46.8	1.5	0.7	11.9
244	Wood containers -----	E2	150	31	2.0	15.8	1.7	3.0	11.8	34.8	37.4	71.8	1.9	1.5	16.5
2441	Nailed wood boxes and shooks -----	E1	21	4	0.2	1.8	0.2	0.3	1.2	4.3	3.8	8.1	0.1	(NA)	(NA)
2448	Wood pallets and skids -----	E2	112	23	1.5	11.9	1.3	2.3	9.0	25.5	28.2	53.7	1.7	1.3	13.6
2449	Wood containers, n.e.c. -----	-	17	4	0.3	2.1	0.2	0.4	1.5	5.0	5.4	10.0	0.1	0.2	2.0
245	Wood buildings and mobile homes -----	-	32	20	1.4	16.7	1.0	2.0	11.1	32.4	52.7	83.7	2.7	3.4	52.3
2451	Mobile homes -----	-	9	6	0.4	4.7	0.3	0.6	3.3	7.0	17.0	23.6	0.6	2.5	40.3
2452	Prefabricated wood buildings -----	-	23	14	1.0	12.0	0.7	1.3	7.8	25.4	35.8	60.0	2.1	0.9	12.0
249	Miscellaneous wood products ---	-	165	34	3.0	34.4	2.5	4.8	24.2	64.5	81.4	147.0	16.7	4.1	69.7
2492	Particleboard -----	-	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2499	Wood products, n.e.c. -----	-	159	32	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.7	63.0
25	Furniture and fixtures -----	-	317	132	21.7	293.5	16.4	32.4	194.1	669.9	439.0	1 099.0	(D)	20.1	363.3
251	Household furniture -----	-	145	57	5.6	54.3	4.5	8.7	37.9	89.1	83.4	170.4	(D)	6.4	82.0
2511	Wood household furniture ---	-	74	29	3.0	28.6	2.5	5.0	20.5	49.9	34.2	83.1	(D)	3.5	42.5
2512	Upholstered household furniture -----	E1	26	12	1.5	15.7	1.2	2.2	10.6	15.2	19.6	34.7	(D)	1.8	22.3
2514	Metal household furniture ---	-	9	4	0.3	2.9	0.2	0.4	2.0	6.8	7.2	13.7	(D)	0.3	5.7
2515	Mattresses and bedsprings ---	-	31	9	0.5	5.9	0.4	0.8	3.7	15.2	19.7	34.2	0.2	0.5	9.3
252	Office furniture -----	-	22	15	8.1	137.3	6.0	12.5	92.5	358.6	158.4	512.9	(D)	5.2	121.3
2521	Wood office furniture -----	-	12	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	7.0
2522	Metal office furniture -----	-	10	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	4.7	114.3
2531	Public building and related furniture -----	E1	26	12	2.4	31.5	1.6	3.1	17.5	53.6	45.3	98.6	(D)	3.4	53.7

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
25	Furniture and fixtures —Con.														
254	Partitions and fixtures -----	E3	91	36	3.7	43.4	2.9	5.4	28.5	78.3	76.4	153.0	(D)	3.3	51.4
2541	Wood partitions and fixtures -	E9	61	18	1.7	20.3	1.3	2.5	12.4	33.6	27.7	60.5	(D)	1.7	26.3
2542	Metal partitions and fixtures -	-	30	18	1.9	23.1	1.6	2.9	16.1	44.7	48.7	92.5	(D)	1.6	25.1
259	Miscellaneous furniture and fixtures -----	-	33	12	2.0	26.9	1.4	2.8	17.8	90.4	75.6	164.2	(D)	1.8	54.9
2591	Drapery hardware and blinds and shades -----	-	13	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2599	Furniture and fixtures, n.e.c. -	-	20	8	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
26	Paper and allied products -----	-	265	170	23.1	357.0	17.5	36.9	253.9	816.0	1 219.4	2 026.1	72.4	26.2	481.6
2621	Paper mills, except building paper -----	-	20	20	7.0	122.3	5.3	11.8	92.4	313.1	441.2	748.4	30.1	FF	(NA)
2631	Paperboard mills -----	-	13	13	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.5	72.0
264	Miscellaneous converted paper products -----	-	107	50	5.4	71.8	4.1	8.3	49.6	185.0	285.9	471.2	11.7	6.5	121.7
2641	Paper coating and glazing ---	-	22	10	1.7	26.7	1.2	2.6	17.2	59.5	88.7	149.3	3.5	2.4	47.7
2642	Envelopes -----	E1	9	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.6	8.7
2643	Bags, except textile bags ---	-	18	9	0.7	7.9	0.5	1.2	5.5	21.2	35.8	56.6	0.7	0.6	8.1
2645	Die-cut paper and board -----	-	20	10	0.8	10.9	0.7	1.3	8.2	23.0	41.8	64.4	1.0	1.4	20.7
2647	Sanitary paper products -----	-	4	3	0.7	9.8	0.6	1.1	7.3	39.7	67.3	107.6	(D)	CC	(D)
2648	Stationery products -----	-	7	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2649	Converted paper products, n.e.c. -----	E1	27	9	0.7	7.4	0.6	1.1	5.4	20.9	27.1	47.8	4.0	0.2	4.2
265	Paperboard containers and boxes -----	-	125	87	7.7	107.7	5.7	11.3	69.1	222.6	352.8	571.9	16.0	9.4	168.3
2651	Folding paperboard boxes ---	-	18	13	2.3	33.4	1.7	3.4	23.2	62.6	88.8	149.1	4.1	1.6	28.4
2652	Setup paperboard boxes -----	-	4	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	4.1
2653	Corrugated and solid fiber boxes -----	-	88	61	4.5	62.7	3.3	6.5	38.0	132.2	208.1	339.4	11.4	4.8	77.2
2654	Sanitary food containers -----	-	5	4	0.4	5.7	0.3	0.6	3.6	16.4	42.7	58.8	0.2	2.4	53.3
2655	Fiber cans, drums, and similar products -----	-	10	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.3	5.3
27	Printing and publishing -----	-	1 680	294	33.4	449.8	19.6	35.5	240.8	959.9	527.0	1 477.3	56.2	34.8	696.2
2711	Newspapers -----	-	310	70	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	13.3	277.5
2721	Periodicals -----	E1	64	12	0.6	9.5	0.2	0.3	1.2	24.5	12.2	36.7	0.9	0.6	13.2
273	Books -----	-	68	21	2.4	27.6	1.5	3.1	16.4	68.6	46.2	111.9	(D)	2.2	41.4
2731	Book publishing -----	-	35	6	0.7	7.4	0.1	0.3	1.5	29.7	21.8	49.3	0.4	CC	(D)
2732	Book printing -----	-	33	15	1.7	20.2	1.4	2.9	15.0	38.9	24.4	62.6	(D)	EE	(D)
2741	Miscellaneous publishing -----	-	85	21	2.6	30.8	1.3	2.3	14.8	105.4	29.9	133.5	3.3	3.0	86.9
275	Commercial printing -----	E1	943	112	10.6	145.8	8.0	14.7	97.5	269.8	214.1	479.4	17.3	11.0	195.7
2751	Commercial printing, letterpress -----	E3	508	32	2.9	34.0	2.4	4.2	23.0	64.6	50.3	114.5	4.3	3.8	64.5
2752	Commercial printing, lithographic -----	-	412	75	7.2	106.9	5.2	9.9	70.6	196.8	153.4	346.4	12.2	6.8	123.9
2754	Commercial printing, gravure -----	-	12	5	0.4	4.5	0.3	0.6	3.6	8.3	9.3	17.3	0.7	BB	(D)
2761	Manifold business forms -----	E1	33	16	1.3	18.7	0.8	1.6	10.8	37.6	46.8	84.3	2.3	1.0	19.2
278	Blankbooks and bookbinding --	-	35	16	1.5	16.6	1.3	2.5	12.8	35.0	15.8	50.8	1.3	EE	(D)
2782	Blankbooks and looseleaf binders -----	-	15	7	1.0	10.2	0.8	1.7	7.6	24.7	13.5	38.4	1.1	0.8	12.9
2789	Bookbinding and related work -----	E1	20	9	0.5	6.4	0.5	0.9	5.2	10.2	2.3	12.4	0.2	CC	(D)
279	Printing trade services -----	E2	139	26	1.9	30.7	1.4	2.6	21.5	51.4	11.1	62.3	2.9	1.9	35.6
2791	Typesetting -----	E3	91	15	1.1	17.0	0.9	1.6	12.2	29.2	4.7	33.8	1.9	1.0	17.5
2793	Photoengraving -----	E2	20	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2795	Lithographic platemaking services -----	E1	27	9	0.6	11.2	0.4	0.8	7.5	17.6	5.4	23.0	0.9	BB	(D)
28	Chemicals and allied products -----	-	399	146	33.9	574.8	20.8	41.1	320.5	1 876.1	1 925.5	3 761.0	(D)	34.1	1 214.4
281	Industrial inorganic chemicals --	-	29	9	3.5	64.4	2.3	4.6	37.0	173.1	238.1	407.0	39.3	FF	(D)
2812	Alkalies and chlorine -----	-	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2819	Industrial inorganic chemicals, n.e.c. -----	-	14	6	1.4	25.4	1.0	2.0	15.0	93.3	122.2	213.6	(D)	EE	(D)
282	Plastics materials and synthetics -----	-	17	8	3.7	66.5	2.2	4.3	35.3	175.0	216.6	379.7	13.9	4.1	133.1
2821	Plastics materials and resins -	-	10	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
2822	Synthetic rubber -----	-	7	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
283	Drugs -----	-	43	12	7.6	130.2	5.2	9.9	82.2	472.1	342.5	804.7	(D)	7.3	354.1
2831	Biological products -----	-	10	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2834	Pharmaceutical preparations -	-	29	9	6.7	116.8	4.6	8.8	74.2	429.8	322.6	748.5	(D)	FF	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
28	Chemicals and allied products—Con.														
284	Soaps, cleaners, and toilet goods	-	83	21	2.9	40.0	1.4	2.8	15.4	237.9	176.9	414.4	14.7	FF	(D)
										181.8	137.6	319.2	(D)	EE	(D)
2841	Soap and other detergents	-	31	14	2.3	32.4	1.1	2.1	11.6					CC	(D)
2842	Polishes and sanitation goods	-	39	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)		
2851	Paints and allied products	-	67	33	3.9	66.7	2.2	4.7	34.5	218.4	291.4	509.7	11.3	3.9	98.9
286	Industrial organic chemicals	-	24	16	8.3	149.7	5.1	9.8	85.3	422.9	387.5	795.6	93.7	8.5	260.9
2865	Cyclic crudes and intermediates	-	4	3	0.7	7.9	0.4	0.8	5.8	21.0	38.6	58.9	2.0	CC	(D)
2869	Industrial organic chemicals, n.e.c.	-	20	13	7.6	141.8	4.7	9.0	79.5	401.9	348.9	736.7	91.7	FF	(D)
287	Agricultural chemicals	-	24	5	0.3	4.2	0.2	0.4	2.3	15.1	44.7	60.1	1.5	0.5	8.9
2875	Fertilizers, mixing only	-	11	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
289	Miscellaneous chemical products	-	112	42	3.7	53.1	2.3	4.6	28.5	161.7	227.7	389.7	16.6	3.9	124.3
										40.3	55.6	94.7	1.7	0.7	18.7
2891	Adhesives and sealants	-	28	11	1.0	13.9	0.6	1.3	7.3	(D)	(D)	(D)	(D)	0.2	4.6
2893	Printing ink	E1	12	5	AA	(D)	(D)	(D)	(D)						
2899	Chemical preparations, n.e.c.	-	70	25	2.4	35.4	1.5	3.0	19.1	114.3	157.9	273.9	12.7	FF	(D)
29	Petroleum and coal products	-	76	24	2.2	40.2	1.4	3.1	24.5	184.7	894.3	1 080.6	(D)	2.5	167.7
2911	Petroleum refining	-	7	6	1.1	22.2	0.8	1.9	15.2	130.8	781.6	902.6	(D)	EE	(D)
295	Paving and roofing materials	-	38	7	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	16.4
2951	Paving mixtures and blocks	-	31	3	0.3	4.0	0.2	0.3	2.7	12.5	30.4	42.8	(D)	BB	(D)
2952	Asphalt felts and coatings	-	7	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
299	Miscellaneous petroleum and coal products	-	31	11	0.7	10.9	0.3	0.6	4.2	30.1	66.0	107.7	(D)	BB	(D)
2992	Lubricating oils and greases	-	28	10	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	20.6
30	Rubber and miscellaneous plastics products	-	630	317	35.6	425.2	27.8	55.4	286.6	892.0	921.8	1 794.5	106.3	28.9	498.9
3011	Tires and inner tubes	-	3	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3041	Rubber and plastics hose and belting	-	7	4	0.3	3.4	0.3	0.5	2.4	6.8	8.3	15.2	0.2	(NA)	(NA)
3069	Fabricated rubber products, n.e.c.	-	66	33	4.3	50.9	3.4	6.8	34.1	106.6	89.4	194.1	5.1	FF	(D)
3079	Miscellaneous plastics products	-	552	277	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	18.3	284.6
31	Leather and leather products	-	43	14	2.8	26.7	2.6	4.9	21.8	73.1	70.0	143.0	2.5	FF	(D)
3111	Leather tanning and finishing	-	8	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
314	Footwear, except rubber	-	7	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3143	Men's footwear, except athletic	-	4	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3144	Women's footwear, except athletic	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3199	Leather goods, n.e.c.	E4	13	2	0.2	1.7	0.1	0.2	0.9	2.7	1.2	3.9	(D)	(NA)	(NA)
32	Stone, clay, and glass products	-	702	158	20.1	304.6	15.2	30.8	213.7	744.8	697.8	1 443.2	63.4	21.5	553.2
3211	Flat glass	-	3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
322	Glass and glassware, pressed or blown	-	4	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3221	Glass containers	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3231	Products of purchased glass	-	47	17	3.5	50.5	2.6	5.0	34.6	105.6	108.5	212.2	9.7	3.2	85.8
3241	Cement, hydraulic	-	9	7	1.8	31.9	1.4	3.0	25.0	104.5	81.5	192.5	7.6	2.0	85.7
325	Structural clay products	-	7	3	0.2	2.3	0.1	0.3	1.4	7.0	4.4	11.4	(D)	0.2	3.8
326	Pottery and related products	-	14	3	1.6	22.9	1.3	2.4	18.0	32.2	8.4	39.9	(D)	EE	(D)
3263	Fine earthenware food utensils	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3264	Porcelain electrical supplies	-	2	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3269	Pottery products, n.e.c.	-	10	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
327	Concrete, gypsum, and plaster products	E1	470	77	5.5	81.5	3.9	8.0	51.4	194.4	218.5	411.9	17.4	7.1	165.7
										30.8	34.1	64.4	3.1	1.1	24.5
3271	Concrete block and brick	-	68	15	0.9	12.9	0.5	1.1	6.1	53.4	43.3	96.0	3.4	2.4	53.3
3272	Concrete products, n.e.c.	E1	167	20	1.6	23.4	1.2	2.5	15.4	85.7	101.2	186.7	9.4	3.0	68.8
3273	Ready-mixed concrete	E1	229	36	2.5	36.3	1.7	3.4	23.2	(D)	(D)	(D)	(D)	CC	(D)
3275	Gypsum products	-	4	4	BB	(D)	(D)	(D)	(D)						
3281	Cut stone and stone products	E2	22	1	0.2	1.5	0.2	0.3	1.2	3.3	1.3	4.5	0.1	0.2	2.9
329	Miscellaneous nonmetallic mineral products	-	126	47	4.8	62.7	3.4	6.9	40.4	148.0	172.2	317.5	16.8	3.8	76.7
										46.5	38.3	83.9	2.4	EE	(D)
3291	Abrasive products	E1	50	17	1.6	22.0	1.1	2.2	13.2						
3293	Gaskets, packing, and sealing devices	-	29	18	1.8	20.3	1.3	2.6	12.4	45.7	38.4	84.8	2.1	1.6	26.9
3295	Minerals, ground or treated	-	13	5	0.7	10.9	0.5	1.1	8.6	42.0	69.7	109.7	3.6	0.4	13.3
3296	Mineral wool	-	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry		1977											1972	
			All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
33	Primary metal industries	-	581	329	83.0	1 548.9	67.5	140.3	1 192.2	2 924.2	4 150.4	7 050.3	318.9	86.1	1 948.5
331	Blast furnace and basic steel products	-	73	42	26.6	579.8	20.9	42.6	443.3	1 138.8	2 120.9	3 243.2	140.6	26.6	776.4
3312	Blast furnaces and steel mills	-	22	10	20.7	477.4	16.5	33.2	369.8	971.2	1 614.1	2 568.2	121.8	19.7	637.9
3315	Steel wire and related products	-	9	8	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.7	32.2
3316	Cold finishing of steel shapes	-	22	11	1.8	33.8	1.4	2.9	25.1	33.1	342.1	378.0	5.4	3.0	64.1
3317	Steel pipe and tubes	-	19	13	2.1	36.1	1.6	3.3	26.3	78.0	92.9	168.7	(D)	2.2	42.0
332	Iron and steel foundries	-	121	89	34.5	660.7	28.6	60.7	520.3	1 156.2	1 031.9	2 182.0	139.1	37.5	729.9
3321	Gray iron foundries	-	76	56	24.4	495.2	20.8	45.5	403.7	829.4	841.3	1 666.9	122.7	26.3	519.9
3322	Malleable iron foundries	-	7	5	6.2	114.5	4.7	9.3	81.1	217.3	124.8	340.7	13.9	FF	(D)
3324	Steel investment foundries	-	11	8	1.7	20.2	1.3	2.4	13.5	50.3	26.8	77.2	0.8	EE	(D)
3325	Steel foundries, n.e.c.	-	27	20	2.3	30.8	1.8	3.5	21.9	59.2	39.0	97.4	1.7	1.6	29.0
333	Primary nonferrous metals	-	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3341	Secondary nonferrous metals	E1	19	6	0.8	11.1	0.6	1.1	7.0	28.7	102.6	137.9	(D)	0.7	32.8
335	Nonferrous rolling and drawing	-	60	41	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	8.2	158.3
3351	Copper rolling and drawing	-	13	10	1.8	26.5	1.5	3.1	20.9	48.5	166.9	216.9	1.5	3.3	73.7
3353	Aluminum sheet, plate, and foil	-	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3354	Aluminum extruded products	-	16	13	3.3	53.5	2.7	5.7	41.4	74.4	146.5	218.5	7.3	EE	(D)
3356	Nonferrous rolling and drawing, n.e.c.	E1	12	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.8	20.1
3357	Nonferrous wire drawing and insulating	-	16	13	2.5	31.9	2.1	4.2	25.0	88.7	168.0	257.1	3.0	1.5	25.5
336	Nonferrous foundries	-	144	79	8.6	113.6	7.3	14.7	86.0	234.6	231.7	463.3	14.5	8.8	156.2
3361	Aluminum foundries	-	69	34	4.3	58.9	3.7	7.5	46.4	120.3	111.9	230.8	8.5	3.6	63.6
3362	Brass, bronze, and copper foundries	-	29	14	0.9	12.5	0.8	1.4	9.7	24.0	23.9	47.5	1.7	1.1	21.4
3369	Nonferrous foundries, n.e.c.	-	46	31	3.4	42.2	2.8	5.8	30.0	90.3	95.8	185.0	4.3	4.1	71.1
339	Miscellaneous primary metal products	E1	161	70	3.9	55.9	3.1	6.6	37.7	109.5	58.5	167.9	8.1	FF	(D)
3398	Metal heat treating	-	125	57	3.2	46.6	2.6	5.5	31.5	90.3	32.5	122.0	6.2	3.3	68.1
3399	Primary metal products, n.e.c.	E2	36	13	0.7	9.3	0.6	1.1	6.3	19.2	26.1	45.9	1.9	CC	(D)
34	Fabricated metal products	-	2 439	1 060	142.6	2 274.3	116.1	235.1	1 686.4	4 557.0	4 874.5	9 372.8	266.3	133.2	2 786.4
341	Metal cans and shipping containers	-	12	4	0.4	6.5	0.4	0.8	5.5	27.4	47.3	74.0	0.4	0.6	23.7
3411	Metal cans	-	5	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	22.5
342	Cutlery, hand tools, and hardware	-	159	67	17.7	300.9	13.9	28.3	222.9	643.9	621.5	1 236.4	39.6	17.0	429.3
3423	Hand and edge tools, n.e.c.	E1	51	17	1.3	16.3	0.9	1.7	9.4	37.3	22.8	59.1	1.2	1.0	19.8
3429	Hardware, n.e.c.	-	97	46	16.2	282.8	12.9	26.4	212.5	603.3	595.5	1 170.8	38.2	FF	(D)
343	Plumbing and heating, except electric	-	37	14	1.7	21.5	1.2	2.3	12.7	52.4	48.0	98.4	4.4	2.5	51.2
3432	Plumbing fittings and brass goods	-	10	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3433	Heating equipment, except electric	-	26	9	0.9	12.2	0.6	1.0	6.2	31.9	26.7	56.9	3.3	1.1	24.7
344	Fabricated structural metal products	E1	495	169	14.3	206.0	10.7	20.8	131.4	408.0	447.9	847.0	27.2	15.6	285.4
3441	Fabricated structural metal	E1	102	39	2.5	37.1	1.8	3.6	23.0	70.1	75.7	143.4	7.0	3.1	57.6
3442	Metal doors, sash, and trim	-	87	30	3.3	37.9	2.5	4.8	22.4	76.5	104.5	179.7	3.8	4.6	77.3
3443	Fabricated plate work (boiler shops)	E1	83	43	3.1	51.1	2.4	4.7	35.7	89.9	62.8	152.2	3.3	2.4	38.7
3444	Sheet metal work	E1	152	41	3.4	51.6	2.5	4.9	32.3	114.6	145.3	255.8	11.0	4.1	85.7
3446	Architectural metal work	-	39	11	1.7	22.7	1.2	2.3	14.7	45.1	37.7	81.7	1.7	1.0	20.1
3448	Prefabricated metal buildings	E4	16	3	0.2	2.3	0.1	0.2	1.5	4.7	5.3	10.0	0.2	(NA)	(NA)
3449	Miscellaneous metal work	E1	16	2	0.2	3.3	0.2	0.3	1.8	7.2	16.6	24.1	0.1	0.3	4.3
345	Screw machine products, bolts, etc.	-	379	169	12.6	189.2	10.0	21.0	133.4	412.0	414.9	820.3	29.2	11.5	250.2
3451	Screw machine products	-	275	115	7.3	104.1	6.0	12.7	73.7	209.2	205.0	410.5	15.3	6.3	120.7
3452	Bolts, nuts, rivets, and washers	-	104	54	5.3	85.1	4.0	8.3	59.8	202.8	209.9	409.8	13.9	5.2	129.6
346	Metal forgings and stampings	-	513	318	66.7	1 180.6	56.5	115.7	923.7	2 237.7	2 551.3	4 782.2	129.1	61.5	1 325.9
3462	Iron and steel forgings	-	44	36	5.3	99.0	4.3	9.0	76.1	188.6	222.0	412.3	20.0	FF	(D)
3465	Automotive stampings	-	298	221	57.3	1 031.6	48.9	100.3	813.7	1 947.6	2 234.9	4 176.2	104.0	52.3	1 157.1
3466	Crowns and closures	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3469	Metal stampings, n.e.c.	E1	169	59	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	4.0	68.1
347	Metal services, n.e.c.	-	433	145	9.8	107.9	8.2	16.1	76.5	221.2	175.4	395.4	11.1	8.7	122.8
3471	Plating and polishing	-	305	99	6.9	78.1	5.9	11.5	56.7	162.3	109.7	270.7	7.7	6.2	90.8
3479	Metal coating and allied services	E1	128	46	2.9	29.8	2.4	4.7	19.8	58.9	65.7	124.7	3.4	2.5	32.0

See footnotes at end of table.

Table 5. **Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—**
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
34	Fabricated metal products—Con.														
349	Miscellaneous fabricated metal products-----	-	398	172	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3493	Steel springs, except wire-----	-	11	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.0	20.8
3494	Valves and pipe fittings-----	-	55	38	5.1	73.6	3.9	7.8	47.2	160.6	126.1	285.7	9.2	4.6	95.2
3495	Wire springs-----	-	29	26	4.7	67.2	3.8	7.9	50.6	127.9	114.3	243.1	6.0	3.8	68.9
3496	Miscellaneous fabricated wire products-----	-	53	23	2.2	26.0	1.7	3.3	18.1	46.2	50.3	95.6	1.8	2.0	31.1
3498	Fabricated pipe and fittings-----	-	64	32	2.8	35.9	2.4	4.4	25.3	106.1	170.4	276.7	3.7	1.4	27.0
3499	Fabricated metal products, n.e.c.-----	E1	186	49	3.9	49.2	2.9	5.6	31.4	94.4	85.5	177.4	3.9	2.9	51.3
35	Machinery, except electrical-----	-	3 983	1 206	145.9	2 439.3	105.0	215.0	1 583.4	4 961.5	4 317.8	9 116.9	271.6	136.9	2 967.8
351	Engines and turbines-----	-	21	10	11.3	235.5	7.7	16.2	149.9	659.5	753.6	1 354.7	(D)	11.7	382.3
3519	Internal combustion engines, n.e.c.-----	-	15	10	11.3	235.0	7.6	16.2	149.6	658.5	752.7	1 352.8	(D)	FF	(D)
352	Farm and garden machinery-----	-	58	25	6.0	100.1	4.7	8.6	69.3	239.4	589.5	837.5	(D)	3.7	85.0
3523	Farm machinery and equipment-----	-	56	23	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3524	Lawn and garden equipment-----	-	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
353	Construction and related machinery-----	-	177	79	14.5	237.3	9.3	17.5	133.7	540.2	630.8	1 193.0	17.8	14.9	354.7
3531	Construction machinery-----	-	32	19	5.7	87.1	4.2	7.6	59.0	220.4	281.6	514.3	8.1	5.9	123.2
3532	Mining machinery-----	-	6	4	0.4	4.4	0.2	0.4	2.7	12.1	9.2	20.7	0.9	0.3	6.3
3535	Conveyors and conveying equipment-----	-	72	35	4.4	81.7	2.4	4.9	35.1	173.8	158.9	333.2	3.9	3.9	97.6
3536	Hoists, cranes, and monorails-----	-	15	6	1.0	14.2	0.7	1.2	7.8	22.4	30.0	54.3	0.6	EE	(D)
3537	Industrial trucks and tractors-----	-	45	13	2.9	47.9	1.8	3.4	28.4	107.6	148.4	264.0	4.3	3.3	94.5
354	Metalworking machinery-----	-	1 899	625	54.4	978.7	41.5	90.7	677.6	1 802.2	981.1	2 685.3	85.6	48.9	1 031.5
3541	Machine tools, metal cutting types-----	-	192	75	9.2	177.7	6.0	12.8	107.3	357.6	261.5	572.3	18.6	7.4	168.7
3542	Machine tools, metal forming types-----	E1	58	22	2.0	34.1	1.4	3.3	21.4	67.7	43.1	109.5	2.3	2.6	49.9
3544	Special dies, tools, jigs, and fixtures-----	E1	1 226	344	27.4	516.9	22.4	50.5	382.9	855.0	387.7	1 219.0	41.6	25.7	535.1
3545	Machine tool accessories-----	-	359	159	12.9	205.4	9.8	19.9	137.3	428.5	222.9	635.6	20.5	10.8	232.6
3546	Power driven hand tools-----	-	5	4	1.2	16.4	0.8	1.6	10.1	35.2	20.3	54.9	(D)	CC	(D)
3549	Metalworking machinery, n.e.c.-----	-	51	19	1.4	26.6	1.0	2.4	17.5	54.2	42.8	87.7	1.5	1.5	30.4
355	Special industry machinery-----	-	173	69	6.7	104.4	4.5	9.4	61.5	203.3	156.8	348.5	12.1	6.1	120.0
3551	Food products machinery-----	E1	20	5	0.7	8.5	0.5	1.0	5.8	15.4	13.1	27.7	0.7	1.4	25.9
3553	Woodworking machinery-----	E1	15	4	0.4	4.6	0.2	0.5	2.9	11.3	8.8	19.3	0.7	0.2	4.6
3554	Paper industries machinery-----	-	8	2	0.3	5.0	0.2	0.4	3.0	8.2	8.8	17.1	0.2	(NA)	(NA)
3555	Printing trades machinery-----	-	23	10	1.0	13.8	0.6	1.3	7.7	27.9	18.4	44.8	2.7	0.6	12.0
3559	Special industry machinery, n.e.c.-----	-	101	48	4.4	72.1	2.9	6.1	41.9	139.6	107.3	238.3	7.8	3.7	75.9
356	General industrial machinery-----	-	434	151	18.3	290.3	12.7	25.2	182.9	643.5	379.8	1 002.4	34.9	18.0	362.2
3561	Pumps and pumping equipment-----	-	36	15	2.2	34.6	1.3	2.8	19.0	76.0	43.4	117.7	6.3	2.2	42.2
3562	Ball and roller bearings-----	-	9	5	1.2	18.9	0.9	1.8	12.4	31.1	22.2	52.7	(D)	FF	(D)
3563	Air and gas compressors-----	-	5	3	0.7	11.8	0.5	1.0	8.5	27.9	31.8	58.0	1.5	(NA)	(NA)
3564	Blowers and fans-----	-	22	10	1.5	21.4	0.9	1.8	11.5	43.0	33.7	77.5	1.5	1.5	29.1
3565	Industrial patterns-----	E1	140	32	2.6	46.9	2.1	4.1	37.7	79.0	22.1	98.7	3.2	2.3	51.1
3566	Speed changers, drives, and gears-----	E1	26	11	1.0	14.2	0.7	1.5	9.1	31.5	18.3	49.3	1.4	0.9	18.9
3567	Industrial furnaces and ovens-----	-	38	18	1.4	20.2	0.8	1.7	10.2	59.3	32.4	84.5	(D)	0.8	20.7
3568	Power transmission equipment, n.e.c.-----	-	24	19	3.9	64.5	3.0	5.7	44.9	150.9	104.2	253.9	7.2	4.2	94.3
3569	General industrial machinery, n.e.c.-----	-	133	38	4.0	57.8	2.4	4.9	29.6	144.8	71.7	210.0	7.6	2.9	60.5
357	Office and computing machines-----	-	35	13	6.8	97.7	3.7	5.7	39.8	123.2	161.5	292.5	(D)	6.1	52.1
3573	Electronic computing equipment-----	-	21	9	3.4	55.1	1.3	2.3	16.9	72.0	70.4	141.1	(D)	FF	(D)
3574	Calculating and accounting machines-----	-	3	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3579	Office machines, n.e.c. and typewriters-----	-	9	2	0.2	2.7	0.1	0.2	1.1	6.2	2.8	9.0	0.3	AA	(D)
358	Refrigeration and service machinery-----	-	95	39	9.9	133.7	7.2	13.3	85.7	282.6	429.1	705.7	9.0	11.4	302.0
3585	Refrigeration and heating equipment-----	-	41	28	7.5	102.7	5.6	10.4	69.9	212.7	362.0	569.8	5.7	9.5	259.3
3586	Measuring and dispensing pumps-----	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3589	Service industry machinery, n.e.c.-----	-	49	10	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
359	Miscellaneous machinery, except electrical-----	E1	1 091	195	18.0	261.7	13.8	28.4	183.1	467.6	235.7	697.3	37.0	16.1	277.9
3592	Carburetors, pistons, rings, and valves-----	-	15	9	4.9	84.4	3.7	7.8	61.2	136.7	70.4	204.0	13.0	FF	(D)
3599	Machinery, except electrical, n.e.c.-----	E2	1 076	186	13.1	177.3	10.2	20.6	121.9	330.9	165.3	493.4	24.0	FF	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry		1977										1972			
			E1	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital ex- pend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
				Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
36	Electric and electronic equipment -	-	479	201	33.9	506.9	26.4	54.3	363.6	1 059.4	1 036.4	2 070.8	77.8	37.1	769.4	
361	Electric distributing equipment -	E1	56	21	1.5	19.7	1.1	2.1	12.0	42.4	33.5	74.6	(D)	1.1	19.6	
3612	Transformers -	E1	12	6	0.4	4.6	0.3	0.5	2.9	8.9	8.2	17.3	(D)	0.3	3.2	
3613	Switchgear and switchboard apparatus -	E1	44	15	1.1	15.0	0.8	1.5	9.0	33.5	25.3	57.3	(D)	0.8	16.4	
362	Electrical industrial apparatus -	-	122	63	7.6	108.3	5.3	11.3	68.6	200.9	140.1	332.7	6.4	7.2	127.4	
3621	Motors and generators -	-	15	10	2.5	27.6	1.8	3.6	18.5	43.5	35.8	78.5	1.7	3.0	35.1	
3622	Industrial controls -	E1	53	24	2.3	31.1	1.5	2.9	17.2	59.9	40.0	97.2	2.1	1.2	29.1	
3623	Welding apparatus, electric -	-	36	21	1.9	35.3	1.4	3.3	23.6	71.3	48.4	115.2	1.6	2.0	44.4	
3624	Carbon and graphite products -	-	7	4	0.6	10.0	0.4	0.9	6.4	18.5	8.3	26.7	0.7	CC	(D)	
3629	Electrical industrial apparatus, n.e.c. -	-	11	4	0.3	4.3	0.2	0.5	2.9	7.7	7.5	15.2	0.3	BB	(D)	
363	Household appliances -	-	25	15	5.4	66.3	4.5	8.5	49.9	199.9	226.3	419.7	(D)	FF	(D)	
3631	Household cooking equipment -	-	2	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)	
3632	Household refrigerators and freezers -	-	5	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)	
3633	Household laundry equipment -	-	4	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)	
3634	Electric housewares and fans -	-	10	3	0.4	3.2	0.3	0.5	2.5	6.4	7.8	14.1	0.2	0.4	5.6	
364	Electric lighting and wiring equipment -	E1	35	16	1.2	13.4	0.9	1.8	9.6	34.5	45.3	77.9	1.6	1.3	21.2	
3643	Current-carrying wiring devices -	E3	7	4	0.3	3.1	0.3	0.5	2.4	10.1	9.4	19.2	0.3	AA	(D)	
3644	Noncurrent-carrying wiring devices -	-	6	4	0.3	4.7	0.2	0.4	3.2	12.0	28.0	38.7	(D)	BB	(D)	
3646	Commercial lighting fixtures -	-	5	3	0.2	1.9	0.2	0.3	1.4	5.2	1.9	7.1	(D)	(NA)	(NA)	
3647	Vehicular lighting equipment -	-	4	3	0.3	2.7	0.2	0.4	1.8	5.3	4.1	9.1	(D)	BB	(D)	
365	Radio and TV receiving equipment -	-	27	9	1.6	17.1	1.3	2.5	11.7	26.1	28.8	56.8	1.0	EE	(D)	
3651	Radio and TV receiving sets -	-	15	5	1.4	15.0	1.1	2.1	10.3	20.9	23.6	46.5	0.8	EE	(D)	
3652	Phonograph records and prerecorded tape -	E2	12	4	0.3	2.1	0.2	0.3	1.3	5.2	5.2	10.3	0.2	BB	(D)	
366	Communication equipment -	-	55	23	2.5	34.0	1.4	2.7	12.9	67.5	96.8	161.2	1.9	2.4	47.0	
3662	Radio and TV communication equipment -	-	55	23	2.5	34.0	1.4	2.7	12.9	67.5	96.8	161.2	1.9	EE	(D)	
367	Electronic components and accessories -	E2	94	23	1.7	16.6	1.4	2.4	9.7	32.8	26.6	59.2	(D)	2.5	24.7	
3677	Electronic coils and transformers -	E2	10	4	0.3	2.3	0.2	0.4	1.6	3.7	3.4	7.1	0.1	0.6	5.9	
3679	Electronic components, n.e.c. -	E2	75	17	1.3	12.2	1.0	1.8	7.0	24.1	21.8	45.9	1.2	1.5	9.4	
369	Miscellaneous electrical equipment and supplies -	-	65	31	12.4	231.5	10.6	23.1	189.3	455.3	439.0	888.7	(D)	FF	(D)	
3691	Storage batteries -	-	5	3	0.6	9.3	0.5	1.0	7.1	15.7	30.9	45.8	0.6	BB	(D)	
3694	Engine electrical equipment -	-	36	19	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)	
3699	Electrical equipment and supplies, n.e.c. -	E2	22	7	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)	
37	Transportation equipment -	-	624	304	321.2	6 677.7	268.2	575.9	5 305.4	13 924.2	30 375.2	44 093.5	(D)	310.0	8 545.0	
371	Motor vehicles and equipment -	-	423	235	307.2	6 464.4	258.4	557.1	5 180.6	13 540.1	29 802.7	43 158.7	(D)	297.4	8 320.9	
3711	Motor vehicles and car bodies -	-	33	21	141.5	3 061.7	119.0	258.6	2 462.2	7 198.6	21 335.9	28 402.3	(D)	145.8	4 475.4	
3713	Truck and bus bodies -	E1	28	12	1.4	14.1	1.1	2.0	9.2	30.8	32.6	61.1	2.2	(NA)	(NA)	
3714	Motor vehicle parts and accessories -	-	341	187	162.4	3 363.7	136.7	293.4	2 691.3	6 259.8	8 333.4	14 543.8	792.1	149.2	3 802.2	
3715	Truck trailers -	E1	9	3	0.6	7.5	0.5	0.8	5.8	14.2	14.3	27.7	0.2	0.4	5.4	
3716	Motor homes produced on purchased chassis -	-	12	12	1.4	17.3	1.2	2.3	12.1	36.7	86.4	123.8	0.6	(NA)	(NA)	
372	Aircraft and parts -	E1	44	25	3.2	48.2	2.1	4.0	26.7	85.2	70.4	154.0	(D)	2.6	44.0	
3724	Aircraft engines and engine parts -	E1	17	13	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)	
3728	Aircraft equipment, n.e.c. -	E1	26	11	2.0	31.3	1.2	2.4	16.7	52.5	48.8	99.5	(D)	1.8	25.6	
373	Ship and boat building and repairing -	-	67	15	2.3	25.5	2.0	3.9	19.1	49.7	59.9	108.0	(D)	1.8	26.2	
3732	Boat building and repairing -	-	61	14	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)	
3743	Railroad equipment -	-	7	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)	
376	Guided missiles, space vehicles, parts -	-	5	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)	
3761	Guided missiles and space vehicles -	-	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)	
3764	Space propulsion units and parts -	-	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)	
379	Miscellaneous transportation equipment -	-	73	23	5.0	80.8	3.6	7.0	50.8	147.0	358.4	485.3	(D)	5.1	98.9	
3792	Travel trailers and campers -	E1	53	17	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)	
3795	Tanks and tank components -	-	8	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)	

See footnotes at end of table.

Table 5. **Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—**
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
38	Instruments and related products -----	-	261	96	11.6	153.7	7.9	15.3	90.1	332.5	221.1	541.8	(D)	9.3	165.2
3811	Engineering and scientific instruments -----	-	32	12	3.4	48.8	2.5	4.8	34.5	85.0	45.1	128.1	(D)	3.5	59.0
382	Measuring and controlling devices -----	-	84	32	2.9	43.6	1.8	3.5	22.0	94.8	50.0	139.4	(D)	2.7	51.2
3823	Process control instruments -	-	13	3	0.2	3.7	0.1	0.3	2.0	10.4	3.5	13.9	0.1	CC	(D)
3825	Instruments to measure electricity -----	-	26	12	1.6	25.3	1.0	1.9	12.0	49.3	30.3	75.3	(D)	1.1	18.8
3829	Measuring and controlling devices, n.e.c. -----	-	35	13	0.8	12.2	0.5	1.0	6.6	25.7	12.0	36.7	(D)	0.6	11.2
3832	Optical instruments and lenses -----	-	18	3	0.7	9.0	0.5	1.0	5.0	25.3	11.3	36.4	(D)	0.4	5.3
384	Medical instruments and supplies -----	-	64	26	2.6	30.2	1.6	3.1	14.8	68.7	65.0	131.8	(D)	1.7	33.4
3841	Surgical and medical instruments -----	-	17	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3842	Surgical appliances and supplies -----	-	39	17	1.4	13.9	1.0	1.8	8.0	29.2	39.4	67.6	(D)	0.8	13.7
3843	Dental equipment and supplies -----	-	8	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3851	Ophthalmic goods -----	E1	29	7	0.3	3.0	0.2	0.4	1.8	6.3	3.3	9.7	(D)	0.2	3.2
3861	Photographic equipment and supplies -----	E1	18	8	0.5	5.6	0.3	0.6	3.4	16.6	10.9	26.1	(D)	0.3	5.0
3873	Watches, clocks, and watchcases -----	-	16	8	1.3	13.6	1.0	1.8	8.6	35.7	35.6	70.3	(D)	0.5	8.1
39	Miscellaneous manufacturing industries -----	-	464	89	10.8	126.2	8.1	15.4	77.7	254.7	211.7	462.5	(D)	9.8	159.0
391	Jewelry, silverware, and plated ware -----	E1	39	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	7.1
3911	Jewelry, precious metal -----	E1	34	4	0.3	3.8	0.2	0.4	2.4	8.8	7.9	16.5	(D)	0.4	6.6
3931	Musical instruments -----	-	15	6	1.2	15.0	1.0	2.0	11.7	22.3	25.4	46.5	(D)	EE	(D)
394	Toys and sporting goods -----	-	94	29	4.6	51.6	3.4	6.7	31.7	113.1	92.6	203.9	(D)	5.0	84.3
3944	Games, toys, and children's vehicles -----	-	17	7	1.7	18.0	1.2	2.5	9.8	46.7	22.7	67.3	(D)	EE	(D)
3949	Sporting and athletic goods, n.e.c. -----	-	77	22	2.9	33.7	2.2	4.2	21.9	66.4	69.8	136.6	(D)	FF	(D)
395	Pens, pencils, office and art supplies -----	-	39	8	0.4	5.4	0.3	0.6	3.0	12.5	11.5	23.6	(D)	BB	(D)
3953	Marking devices -----	-	30	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
399	Miscellaneous manufactures ---	E1	268	41	4.2	49.5	3.2	5.6	28.3	96.6	73.1	169.3	(D)	2.9	48.5
3991	Brooms and brushes -----	-	11	4	0.7	9.1	0.5	0.9	4.9	18.2	15.7	34.8	(D)	0.2	3.0
3993	Signs and advertising displays -----	-	124	19	1.6	24.1	1.2	2.2	13.7	43.6	28.7	70.5	(D)	1.4	26.1
3995	Burial caskets -----	E1	12	3	0.2	1.7	0.1	0.3	1.0	3.4	4.5	7.9	(D)	0.3	4.4
3999	Manufacturing industries, n.e.c. -----	E2	121	15	1.8	14.6	1.4	2.3	8.7	31.4	24.3	56.1	(D)	1.0	15.0
--	Administrative and auxiliary -----	-	400	225	104.8	2 620.0	-	-	-	-	-	-	-	(NA)	(NA)

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹ Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
² Statistics for some industry groups and industries are withheld to avoid disclosing figures for individual companies. However, for such industry groups and industries with 150 employees or more, number of establishments is shown and employment size range is indicated by one of the following symbols: AA—150 to 249 employees; BB—250 to 499 employees; CC—500 to 999 employees; EE—1,000 to 2,499 employees; FF—2,500 employees or more. Statistics for industry groups shown include data for all component industries, regardless of whether data are shown for individual industries in the group.
³ Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry		1977											1972	
			All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
		E ¹													
	Detroit-Ann Arbor SCSA -----	-	8 258	2 850	606.0	11 735.9	400.3	830.3	6 814.1	19 642.3	32 390.1	51 663.5	1 912.8	591.0	12 699.2
2026	Fluid milk -----	E1	15	9	1.8	28.1	0.7	1.7	12.6	82.4	251.5	334.2	(D)	(NA)	(NA)
203	Preserved fruits and vegetables -----	-	26	10	1.1	10.4	0.9	1.7	6.8	31.3	48.2	79.5	0.5	(NA)	(NA)
205	Bakery products -----	-	63	23	3.7	57.8	2.2	4.5	32.9	121.0	86.9	207.7	(D)	(NA)	(NA)
2051	Bread, cake, and related products -----	-	59	22	3.6	56.9	2.2	4.5	32.5	119.2	85.8	204.9	(D)	(NA)	(NA)
207	Fats and oils -----	-	10	6	0.6	10.1	0.4	0.7	5.7	28.5	48.6	76.9	3.1	(NA)	(NA)
208	Beverages -----	-	33	18	4.5	84.9	2.4	5.0	41.5	254.6	372.7	626.2	23.5	(NA)	(NA)
2394	Canvas and related products -----	-	29	6	0.5	4.6	0.4	0.7	2.9	10.4	9.6	19.7	0.4	(NA)	(NA)
244	Wood containers -----	E2	26	7	0.4	3.6	0.3	0.6	2.5	9.4	7.9	16.8	0.2	(NA)	(NA)
25	Furniture and fixtures -----	E1	108	23	1.6	21.9	1.3	2.5	14.9	39.1	43.0	81.0	(D)	(NA)	(NA)
251	Household furniture -----	E1	42	10	0.6	5.6	0.4	0.8	3.5	12.2	15.8	27.5	(D)	(NA)	(NA)
2515	Mattresses and bedsprings -----	-	11	4	0.3	3.0	0.2	0.4	1.8	7.1	10.0	16.6	0.1	(NA)	(NA)
254	Partitions and fixtures -----	-	37	10	0.8	12.2	0.6	1.2	8.6	18.4	20.9	39.2	(D)	(NA)	(NA)
2541	Wood partitions and fixtures -----	E1	24	4	0.3	4.9	0.2	0.4	3.3	7.2	5.4	12.7	(D)	(NA)	(NA)
2542	Metal partitions and fixtures -----	-	13	6	0.5	7.3	0.4	0.8	5.3	11.2	15.5	26.5	(D)	(NA)	(NA)
27	Printing and publishing -----	-	805	147	18.6	276.2	10.5	19.6	142.9	540.5	309.2	845.1	(D)	19.3	389.9
2721	Periodicals -----	E1	37	11	0.5	8.1	0.1	0.2	0.8	21.5	10.3	31.7	(D)	(NA)	(NA)
273	Books -----	-	38	11	1.5	16.4	1.0	2.1	9.6	33.6	22.8	55.8	(D)	(NA)	(NA)
2752	Commercial printing, lithographic -----	-	203	44	4.5	73.5	3.2	6.3	49.1	137.4	110.8	244.9	(D)	(NA)	(NA)
279	Printing trade services -----	E2	77	15	1.1	19.2	0.8	1.5	13.1	31.3	6.2	37.3	(D)	(NA)	(NA)
2791	Typesetting -----	E3	57	8	0.7	12.4	0.6	1.0	9.0	21.2	3.3	24.4	(D)	(NA)	(NA)
2795	Lithographic platemaking services --	E1	14	5	0.3	5.5	0.2	0.3	3.3	7.9	2.5	10.3	(D)	(NA)	(NA)
28	Chemicals and allied products -----	-	234	82	13.7	234.4	8.2	16.6	124.7	679.5	822.1	1 496.1	(D)	(NA)	(NA)
2851	Paints and allied products -----	-	44	25	2.8	50.8	1.6	3.4	25.2	150.5	211.6	363.5	9.9	(NA)	(NA)
286	Industrial organic chemicals -----	-	9	5	1.1	18.6	0.8	1.5	13.0	49.2	49.1	98.5	(D)	(NA)	(NA)
32	Stone, clay, and glass products -----	-	273	78	10.4	162.3	8.0	15.5	113.6	351.7	357.5	707.0	(D)	(NA)	(NA)
327	Concrete, gypsum, and plaster products -----	-	146	34	2.3	34.8	1.6	3.2	22.4	88.7	100.1	188.2	(D)	(NA)	(NA)
3293	Gaskets, packing, and sealing devices -----	-	20	10	1.2	15.8	0.9	1.7	9.5	33.9	29.1	63.8	1.8	(NA)	(NA)
331	Blast furnace and basic steel products -----	-	50	30	24.3	541.1	19.2	38.8	416.8	1 066.1	2 022.1	3 071.4	129.5	(NA)	(NA)
3316	Cold finishing of steel shapes -----	-	19	10	1.7	33.0	1.4	2.8	24.4	31.9	340.6	375.4	(D)	(NA)	(NA)
335	Nonferrous rolling and drawing -----	-	21	14	2.8	39.9	2.1	4.4	29.8	93.9	207.3	303.6	4.0	(NA)	(NA)
3362	Brass, bronze, and copper foundries -----	-	15	8	0.3	3.3	0.2	0.4	2.2	6.4	9.8	16.0	0.3	(NA)	(NA)
3399	Primary metal products, n.e.c. -----	E4	21	9	0.4	5.6	0.4	0.7	3.8	11.9	10.0	21.9	1.2	(NA)	(NA)
343	Plumbing and heating, except electric -----	E1	15	5	0.4	5.2	0.3	0.6	3.0	17.1	14.2	31.4	0.2	(NA)	(NA)
3442	Metal doors, sash, and trim -----	E1	55	19	1.3	16.0	0.9	1.7	7.9	38.3	47.4	84.7	1.3	(NA)	(NA)
3443	Fabricated plate work (boiler shops) -----	E1	52	27	2.2	38.9	1.7	3.5	27.3	68.9	42.3	111.3	2.2	(NA)	(NA)
3446	Architectural metal work -----	-	20	4	0.6	8.1	0.3	0.6	4.1	17.6	15.1	32.6	(D)	(NA)	(NA)
345	Screw machine products, bolts, etc. -----	-	255	120	9.5	148.3	7.5	16.0	106.2	326.4	329.2	650.9	(D)	(NA)	(NA)
347	Metal services, n.e.c. -----	-	248	82	4.9	56.5	4.1	8.0	38.6	114.8	98.3	213.3	(D)	(NA)	(NA)
349	Miscellaneous fabricated metal products -----	-	230	90	9.4	133.2	7.2	14.3	88.7	261.3	242.6	506.5	(D)	(NA)	(NA)
35	Machinery, except electrical -----	-	2 595	771	82.3	1 478.7	58.9	123.2	946.8	2 986.8	2 567.6	5 418.9	(D)	75.2	1 769.9
3531	Construction machinery -----	-	15	7	0.5	7.7	0.4	0.7	4.9	23.2	16.6	38.4	(D)	(NA)	(NA)
3535	Conveyors and conveying equipment --	-	45	21	2.8	56.4	1.6	3.2	24.5	122.6	117.0	242.4	3.2	(NA)	(NA)
3542	Machine tools, metal forming types -----	E1	44	16	0.8	13.8	0.6	1.5	8.4	28.1	18.5	45.8	0.8	(NA)	(NA)
3564	Blowers and fans -----	-	10	3	0.6	9.1	0.3	0.7	4.9	20.7	14.4	35.5	(D)	(NA)	(NA)
3568	Power transmission equipment, n.e.c. -----	-	14	12	0.8	14.1	0.6	1.2	9.1	30.0	18.4	46.8	2.1	(NA)	(NA)
362	Electrical industrial apparatus -----	E1	89	45	3.7	57.9	2.6	5.5	34.9	112.4	78.4	187.2	(D)	(NA)	(NA)
3623	Welding apparatus, electric -----	-	30	17	1.3	23.0	0.9	2.2	15.0	44.4	35.8	77.5	(D)	(NA)	(NA)
364	Electric lighting and wiring equipment -----	-	19	9	0.7	8.6	0.5	1.0	5.9	20.3	33.8	52.8	1.3	(NA)	(NA)
367	Electronic components and accessories -----	E3	55	11	0.8	8.0	0.6	1.1	4.6	16.3	11.5	27.5	0.8	(NA)	(NA)
372	Aircraft and parts -----	E3	29	15	0.9	15.2	0.7	1.4	9.5	25.5	13.3	38.2	(D)	(NA)	(NA)
3724	Aircraft engines and engine parts -----	E2	11	8	0.4	6.7	0.3	0.6	3.9	11.3	6.4	17.4	(D)	(NA)	(NA)
3728	Aircraft equipment, n.e.c. -----	E4	18	7	0.5	8.5	0.4	0.8	5.6	14.2	6.9	20.8	(D)	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Includes industry groups and industry SMSA's, see appendix A. For explanation of terms, see appendix B)															
SIC code	SMSA and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Ann Arbor SMSA -----	-	340	117	41.4	807.0	30.7	55.2	561.7	1 492.4	2 051.9	3 518.6	252.4	35.4	907.0
27	Printing and publishing -----	-	74	17	2.4	27.8	1.5	2.8	15.0	62.4	27.0	89.0	(D)	2.1	36.7
273	Books-----	-	14	7	1.1	11.6	0.8	1.8	8.2	24.4	13.8	37.7	(D)	1.4	24.3
32	Stone, clay, and glass products-----	E2	13	5	0.3	3.5	0.2	0.4	2.3	8.4	5.7	14.3	0.5	(NA)	(NA)
34	Fabricated metal products ---	-	36	14	2.1	31.5	1.6	3.1	22.2	73.4	67.1	140.1	(D)	(NA)	(NA)
345	Screw machine products, bolts, etc. -----	-	5	4	0.4	7.1	0.3	0.8	5.7	18.3	13.1	30.7	(D)	0.3	9.7
349	Miscellaneous fabricated metal products -----	-	6	4	0.9	13.9	0.6	1.2	9.0	30.3	31.4	62.2	(D)	(NA)	(NA)
35	Machinery, except electrical -	-	67	24	4.2	63.8	2.2	4.4	28.3	112.9	79.6	185.7	(D)	2.3	38.3
	Battle Creek SMSA -----	-	240	100	23.0	381.5	16.5	32.5	258.9	1 025.1	838.2	1 868.1	46.8	24.8	695.7
20	Food and kindred products --	-	21	11	6.1	119.0	5.2	10.5	97.6	505.1	315.9	819.6	(D)	6.2	313.5
33	Primary metal industries ----	-	15	10	2.4	37.7	1.8	3.3	24.4	79.9	72.0	151.8	6.0	2.4	47.6
34	Fabricated metal products ---	-	35	15	1.8	22.9	1.4	2.8	16.1	44.4	45.7	88.7	4.5	2.4	41.1
349	Miscellaneous fabricated metal products -----	-	8	3	0.7	8.9	0.5	1.1	6.2	13.4	12.4	24.9	(D)	(NA)	(NA)
35	Machinery, except electrical -	-	43	21	6.3	103.5	4.2	8.2	66.9	216.0	221.8	446.3	8.1	6.5	166.8
356	General industrial machinery -----	-	11	7	1.0	14.8	0.6	1.2	7.7	33.1	16.4	48.6	(D)	0.8	16.0
	Bay City SMSA -----	-	144	48	10.2	166.2	7.9	16.1	123.2	339.2	364.8	691.9	44.0	9.9	201.7
20	Food and kindred products --	-	12	6	0.7	8.0	0.5	0.9	4.2	21.1	47.2	67.7	(D)	0.8	19.1
34	Fabricated metal products ---	-	20	10	0.8	10.8	0.6	1.2	7.5	35.0	25.3	60.6	2.0	0.6	14.1
35	Machinery, except electrical -	-	23	5	1.0	13.0	0.7	1.4	9.6	32.6	17.4	45.2	1.3	0.7	9.7
	Detroit SMSA -----	-	7 918	2 733	564.6	10 928.9	369.6	765.1	6 252.4	18 149.9	30 338.2	48 144.8	1 660.3	551.6	11 694.3
20	Food and kindred products --	-	286	128	17.7	275.0	11.1	22.8	154.2	694.1	1 619.7	2 308.3	(D)	19.5	478.3
201	Meat products -----	-	67	32	3.5	51.9	2.8	5.9	37.4	90.5	667.5	753.4	5.8	4.1	76.0
2011	Meat packing plants -----	-	32	15	1.6	23.6	1.4	3.1	18.3	48.0	441.4	488.6	(D)	1.9	34.6
202	Dairy products -----	E1	30	16	2.2	34.9	0.9	2.1	15.1	97.5	282.6	380.9	3.2	2.6	58.0
2024	Ice cream and frozen desserts -----	E1	9	4	0.3	5.1	0.1	0.3	1.7	9.9	18.8	28.7	(D)	0.3	7.9
2026	Fluid milk -----	E1	15	9	1.8	28.1	0.7	1.7	12.6	82.4	251.5	334.2	(D)	2.2	48.6
203	Preserved fruits and vegetables -----	-	26	10	1.1	10.4	0.9	1.7	6.8	31.3	48.2	79.5	0.5	0.6	11.9
205	Bakery products -----	-	60	23	3.7	57.7	2.2	4.5	32.8	120.7	86.7	207.2	4.6	5.0	107.3
2051	Bread, cake, and related products -----	-	56	22	3.6	56.8	2.2	4.5	32.4	118.9	85.6	204.3	4.6	(NA)	(NA)
206	Sugar and confectionery products -----	E6	14	4	0.5	5.0	0.3	0.6	2.8	10.2	16.7	26.9	(D)	(NA)	(NA)
2065	Confectionery products --	E6	14	4	0.5	5.0	0.3	0.6	2.8	10.2	16.7	26.9	(D)	(NA)	(NA)
207	Fats and oils -----	-	10	6	0.6	10.1	0.4	0.7	5.7	28.5	48.6	76.9	3.1	(NA)	(NA)
208	Beverages -----	-	33	18	4.5	84.9	2.4	5.0	41.5	254.6	372.7	626.2	23.5	4.7	173.2
209	Miscellaneous foods and kindred products-----	E1	41	19	1.7	19.8	1.2	2.2	11.8	60.3	95.4	155.5	2.0	1.5	31.0
2099	Food preparations, n.e.c. -----	-	28	15	1.3	16.1	0.9	1.7	9.9	49.5	66.5	115.8	(D)	1.2	24.7
23	Apparel and other textile products -----	-	132	37	16.4	272.5	14.1	28.0	219.8	576.3	647.4	1 224.2	(D)	12.7	276.7
2394	Canvas and related products -----	-	29	6	0.5	4.6	0.4	0.7	2.9	10.4	9.6	19.7	0.4	(NA)	(NA)
24	Lumber and wood products --	E1	171	35	2.5	27.1	1.9	3.6	18.4	55.0	64.5	118.6	(D)	3.2	52.5
244	Wood containers -----	E2	26	7	0.4	3.6	0.3	0.6	2.5	9.4	7.9	16.8	0.2	0.3	3.7
25	Furniture and fixtures -----	E1	104	23	1.6	21.8	1.3	2.5	14.9	38.9	42.9	80.8	(D)	2.1	33.0
251	Household furniture -----	E1	38	10	0.5	5.6	0.4	0.8	3.5	12.1	15.7	27.4	0.2	0.8	12.5
2515	Mattresses and bedsprings -----	-	11	4	0.3	3.0	0.2	0.4	1.8	7.1	10.0	16.6	0.1	0.3	5.1
254	Partitions and fixtures -----	-	37	10	0.8	12.2	0.6	1.2	8.6	18.4	20.9	39.2	(D)	1.1	17.2
2541	Wood partitions and fixtures -----	E1	24	4	0.3	4.9	0.2	0.4	3.3	7.2	5.4	12.7	(D)	0.4	5.1
2542	Metal partitions and fixtures -----	-	13	6	0.5	7.3	0.4	0.8	5.3	11.2	15.5	26.5	(D)	0.7	12.0
26	Paper and allied products ---	-	97	49	4.6	66.9	3.5	7.1	44.9	142.1	258.6	400.4	(D)	5.7	103.1
264	Miscellaneous converted paper products -----	-	50	21	2.1	28.3	1.6	3.2	18.8	67.2	100.8	168.0	6.1	2.9	53.8
2653	Corrugated and solid fiber boxes -----	E1	30	17	1.1	16.1	0.8	1.6	9.6	30.7	58.0	88.3	1.5	1.4	22.2

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSEA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSEA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
Detroit SMSA—Con.															
27	Printing and publishing -----	-	731	130	16.2	248.4	9.0	16.8	127.9	478.1	282.2	756.2	(D)	17.2	353.2
2711	Newspapers -----	-	76	18	6.6	104.7	2.6	4.5	40.8	203.1	104.4	307.5	(D)	7.0	162.4
273	Books -----	E1	24	4	0.4	4.8	0.2	0.3	1.4	9.2	9.0	18.1	(D)	0.3	5.1
2741	Miscellaneous publishing -----	-	42	9	0.8	8.3	0.2	0.4	1.7	20.3	7.5	27.6	(D)	(NA)	(NA)
275	Commercial printing -----	E1	451	61	5.7	87.7	4.2	8.0	58.4	163.1	127.8	287.3	(D)	6.1	117.7
2751	Commercial printing, letterpress -----	E4	248	17	1.4	15.6	1.1	1.9	10.5	28.6	20.1	48.4	(D)	2.0	33.9
2752	Commercial printing, lithographic -----	-	188	41	4.2	70.6	3.0	5.9	46.8	131.4	106.1	234.3	7.8	3.9	78.6
2761	Manifold business forms -----	E2	13	6	0.5	7.6	0.3	0.7	4.8	13.5	12.4	26.1	(D)	0.3	4.9
278	Blankbooks and bookbinding -----	-	20	8	0.8	9.6	0.6	1.3	7.4	19.0	5.7	24.7	(D)	1.1	17.7
279	Printing trade services -----	E2	71	15	1.1	18.8	0.8	1.4	12.8	30.7	6.0	36.5	(D)	(NA)	(NA)
2791	Typesetting -----	E3	51	8	0.7	12.1	0.6	1.0	8.7	20.5	3.2	23.6	1.4	(NA)	(NA)
2795	Lithographic platemaking services --	E1	14	5	0.3	5.5	0.2	0.3	3.3	7.9	2.5	10.3	(D)	(NA)	(NA)
28	Chemicals and allied products -----	-	231	82	13.7	234.3	8.2	16.6	124.7	679.3	822.0	1 495.8	(D)	14.1	432.1
283	Drugs -----	-	23	6	3.2	55.1	1.9	3.7	29.6	160.4	106.4	261.4	(D)	(NA)	(NA)
2851	Paints and allied products -----	-	44	25	2.8	50.8	1.6	3.4	25.2	150.5	211.6	363.5	9.9	2.8	68.7
286	Industrial organic chemicals -----	-	9	5	1.1	18.6	0.8	1.5	13.0	49.2	49.1	98.5	(D)	(NA)	(NA)
289	Miscellaneous chemical products -----	-	68	22	2.3	34.9	1.3	2.7	16.8	101.2	132.9	236.8	12.1	2.6	80.9
2899	Chemical preparations, n.e.c. -----	-	46	15	1.6	23.8	0.9	1.7	11.0	74.4	88.9	166.8	9.6	2.1	68.8
30	Rubber and miscellaneous plastics products -----	E1	305	140	16.1	198.3	12.3	24.8	128.8	376.2	409.8	774.5	(D)	13.2	211.9
3079	Miscellaneous plastics products -----	E1	265	122	11.9	126.6	9.7	19.5	88.4	278.5	305.4	580.1	24.2	7.6	116.1
32	Stone, clay, and glass products -----	-	260	73	10.1	158.8	7.8	15.1	111.4	343.3	351.7	692.7	(D)	11.5	283.4
3231	Products of purchased glass -----	-	22	8	2.6	37.8	2.0	3.7	27.4	76.8	89.6	165.4	(D)	2.6	71.4
327	Concrete, gypsum, and plaster products -----	-	140	32	2.2	33.4	1.6	3.1	21.5	85.0	97.2	181.5	(D)	3.0	75.7
3272	Concrete products, n.e.c. -----	-	58	13	0.9	12.5	0.7	1.3	8.3	29.3	25.3	54.1	(D)	1.3	30.2
3273	Ready-mixed concrete -----	E1	60	12	0.9	13.9	0.6	1.1	8.6	34.3	35.7	69.8	(D)	1.1	25.9
329	Miscellaneous nonmetallic mineral products -----	-	69	27	2.5	33.3	1.7	3.4	20.0	75.9	76.2	152.3	(D)	2.4	46.4
3291	Abrasive products -----	E2	25	10	0.8	10.1	0.5	1.0	6.2	19.3	17.5	35.8	(D)	(NA)	(NA)
3293	Gaskets, packing, and sealing devices -----	-	20	10	1.2	15.8	0.9	1.7	9.5	33.9	29.1	63.8	1.8	1.2	21.9
33	Primary metal industries -----	-	306	162	43.8	900.2	35.4	73.1	695.9	1 690.7	2 718.2	4 390.1	(D)	43.0	1 088.8
331	Blast furnace and basic steel products -----	-	50	30	24.3	541.1	19.2	38.8	416.8	1 066.1	2 022.1	3 071.4	129.5	24.5	738.0
3316	Cold finishing of steel shapes -----	-	19	10	1.7	33.0	1.4	2.8	24.4	31.9	340.6	375.4	(D)	(NA)	(NA)
332	Iron and steel foundries -----	-	41	31	11.5	245.6	9.9	21.4	200.1	378.2	337.9	713.2	(D)	10.4	196.8
335	Nonferrous rolling and drawing -----	-	21	14	2.8	39.9	2.1	4.4	29.8	93.9	207.3	303.6	4.0	2.7	52.5
336	Nonferrous foundries -----	-	58	28	1.9	23.8	1.6	3.0	16.5	46.2	58.9	104.6	1.7	2.2	36.7
3361	Aluminum foundries -----	-	22	6	0.4	5.2	0.3	0.6	3.7	12.0	12.6	24.5	0.6	0.4	6.3
3362	Brass, bronze, and copper foundries -----	-	15	8	0.3	3.3	0.2	0.4	2.2	6.4	9.8	16.0	0.3	0.6	10.6
3369	Nonferrous foundries, n.e.c. -----	-	21	14	1.3	15.3	1.0	2.0	10.6	27.7	36.6	64.1	0.9	1.3	19.8
339	Miscellaneous primary metal products -----	E1	121	54	3.0	44.6	2.4	5.1	29.6	87.3	36.1	122.6	6.3	(NA)	(NA)
3398	Metal heat treating -----	-	100	45	2.6	39.0	2.0	4.4	25.8	75.3	26.1	100.7	5.0	(NA)	(NA)
3399	Primary metal products, n.e.c. -----	E4	21	9	0.4	5.6	0.4	0.7	3.8	11.9	10.0	21.9	1.2	(NA)	(NA)
3429	Hardware, n.e.c. -----	-	50	21	4.7	88.2	3.9	8.2	67.7	200.1	162.5	349.9	9.8	6.2	141.2
343	Plumbing and heating, except electric -----	E1	15	5	0.4	5.2	0.3	0.6	3.0	17.1	14.2	31.4	0.2	1.0	22.5
344	Fabricated structural metal products -----	E1	284	104	7.8	123.9	5.7	11.3	78.0	251.5	270.4	517.4	14.3	8.9	174.2
3442	Metal doors, sash, and trim -----	E1	55	19	1.3	16.0	0.9	1.7	7.9	38.3	47.4	84.7	1.3	2.2	33.6
3443	Fabricated plate work (boiler shops) -----	E1	52	27	2.2	38.9	1.7	3.5	27.3	68.9	42.3	111.3	2.2	1.4	26.8
3444	Sheet metal work -----	E1	93	32	2.4	38.4	1.8	3.5	24.3	87.5	117.8	201.7	8.9	2.4	56.4
3446	Architectural metal work -----	-	20	4	0.6	8.1	0.3	0.6	4.1	17.6	15.1	32.6	(D)	0.7	14.5
345	Screw machine products, bolts, etc. -----	-	250	116	9.1	141.3	7.2	15.2	100.5	308.1	316.2	620.2	19.8	8.2	191.3
346	Metal forgings and stampings -----	-	326	202	38.1	675.3	32.3	65.1	519.9	1 226.7	1 380.5	2 612.3	87.6	37.8	798.4
347	Metal services, n.e.c. -----	-	239	80	4.7	54.2	3.9	7.6	36.9	109.7	96.5	206.3	5.1	4.3	65.7
3471	Plating and polishing -----	-	162	54	3.3	38.8	2.8	5.4	26.7	80.3	44.2	124.1	3.7	3.2	50.5
3479	Metal coating and allied services -----	-	77	26	1.4	15.4	1.1	2.3	10.2	29.3	52.3	82.2	1.3	1.1	15.3

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
Detroit SMSA—Con.															
349	Miscellaneous fabricated metal products -----	-	224	86	8.5	119.3	6.6	13.1	79.7	231.1	211.2	444.4	(D)	7.2	138.6
3494	Valves and pipe fittings -----	-	30	18	2.5	36.7	1.9	3.9	23.3	76.5	64.4	144.7	2.5	2.5	53.7
3495	Wire springs -----	-	14	12	1.3	20.1	1.0	2.1	13.2	42.5	39.9	82.5	1.8	1.3	20.9
3499	Fabricated metal products, n.e.c. -----	E2	99	25	1.7	22.7	1.2	2.4	14.1	41.3	29.1	68.8	1.4	1.2	23.8
35	Machinery, except electrical -----	-	2 528	747	78.1	1 414.8	56.7	118.8	918.6	2 873.9	2 488.0	5 233.3	(D)	73.0	1 733.9
353	Construction and related machinery -----	-	87	38	3.9	72.9	2.3	4.6	33.9	165.1	152.7	318.9	6.0	3.7	91.4
3531	Construction machinery -----	-	15	7	0.5	7.7	0.4	0.7	4.9	23.2	16.6	38.4	(D)	(NA)	(NA)
3535	Conveyors and conveying equipment -----	-	45	21	2.8	56.4	1.6	3.2	24.5	122.6	117.0	242.4	3.2	2.5	60.0
354	Metalworking machinery -----	-	1 317	436	38.3	729.4	29.1	64.3	499.4	1 344.3	734.5	2 007.3	61.5	34.1	766.2
3541	Machine tools, metal cutting types -----	-	134	42	6.4	131.6	4.1	8.7	77.0	271.4	192.5	426.7	12.8	4.9	116.7
3542	Machine tools, metal forming types -----	E1	44	16	0.8	13.8	0.6	1.5	8.4	28.1	18.5	45.8	0.8	1.1	24.5
3549	Metalworking machinery, n.e.c. -----	-	33	11	0.9	17.4	0.6	1.4	10.5	34.7	29.8	59.8	0.7	0.7	14.5
355	Special industry machinery -----	E1	84	32	2.0	31.2	1.3	2.7	17.6	61.8	46.7	105.5	2.5	(NA)	(NA)
3559	Special industry machinery, n.e.c. -----	E1	56	24	1.6	25.9	1.0	2.1	14.5	51.1	39.9	88.4	2.1	(NA)	(NA)
356	General industrial machinery -----	-	245	80	6.9	114.9	4.7	9.4	72.1	254.3	137.2	376.0	10.1	7.8	165.8
3561	Pumps and pumping equipment -----	E2	18	5	0.3	4.8	0.2	0.5	3.1	10.7	7.9	18.8	0.5	(NA)	(NA)
3564	Blowers and fans -----	-	10	3	0.6	9.1	0.3	0.7	4.9	20.7	14.4	35.5	(D)	(NA)	(NA)
3565	Industrial patterns -----	E1	83	19	1.8	32.3	1.5	2.8	25.8	55.9	16.8	72.0	2.2	1.7	39.1
3567	Industrial furnaces and ovens -----	-	27	12	0.9	14.5	0.5	1.1	7.3	39.2	19.0	51.0	0.5	0.5	12.4
3568	Power transmission equipment, n.e.c. -----	-	14	12	0.8	14.1	0.6	1.2	9.1	30.0	18.4	46.8	2.1	(NA)	(NA)
3569	General industrial machinery, n.e.c. -----	-	70	20	1.8	29.8	1.0	2.1	14.6	75.1	39.6	110.0	2.7	1.5	35.1
358	Refrigeration and service machinery -----	-	41	11	0.8	10.2	0.6	1.1	6.2	19.5	21.6	41.1	0.9	(NA)	(NA)
3589	Service industry machinery, n.e.c. -----	-	30	7	0.4	5.4	0.3	0.5	3.2	8.8	12.1	21.1	(D)	(NA)	(NA)
36	Electric and electronic equipment -----	E1	274	108	8.0	111.3	5.7	11.5	65.6	227.4	194.3	412.5	(D)	8.3	161.2
361	Electric distributing equipment -----	E2	39	15	0.8	12.4	0.6	1.2	7.1	23.9	23.4	46.3	(D)	0.6	14.0
3613	Switchgear and switchboard apparatus -----	E1	33	11	0.7	10.4	0.5	0.9	6.1	20.6	19.9	39.6	(D)	(NA)	(NA)
362	Electrical industrial apparatus -----	-	84	44	3.6	56.8	2.5	5.3	34.1	110.6	77.0	184.1	(D)	(NA)	(NA)
3621	Motors and generators -----	-	5	4	0.3	4.1	0.2	0.5	2.5	10.2	5.5	15.6	(D)	0.4	6.5
3622	Industrial controls -----	E1	39	19	1.8	25.8	1.1	2.3	13.9	49.3	28.9	77.5	(D)	0.9	18.4
364	Electric lighting and wiring equipment -----	-	19	9	0.7	8.6	0.5	1.0	5.9	20.3	33.8	52.8	1.3	0.9	17.0
365	Radio and TV receiving equipment -----	E2	13	4	0.3	2.2	0.2	0.4	1.4	5.3	5.5	10.7	(D)	(NA)	(NA)
366	Communication equipment -----	E1	26	10	0.7	10.4	0.4	0.8	4.6	20.9	12.5	31.4	(D)	0.6	10.1
3662	Radio and TV communication equipment -----	E1	26	10	0.7	10.4	0.4	0.8	4.6	20.9	12.5	31.4	(D)	(NA)	(NA)
367	Electronic components and accessories -----	E3	49	8	0.6	6.6	0.5	0.9	3.5	13.6	10.2	23.7	0.7	0.6	11.0
3679	Electronic components, n.e.c. -----	E4	43	7	0.5	5.5	0.4	0.8	3.0	11.5	9.3	20.7	0.6	(NA)	(NA)
369	Miscellaneous electrical equipment and supplies -----	E1	35	15	1.1	11.7	0.9	1.7	7.7	23.6	25.2	47.5	1.0	(NA)	(NA)
37	Transportation equipment -----	-	340	144	161.9	3 359.0	135.1	287.5	2 647.5	7 217.5	17 290.1	24 367.3	(D)	(NA)	(NA)
372	Aircraft and parts -----	E3	29	15	0.9	15.2	0.7	1.4	9.5	25.5	13.3	38.2	(D)	0.9	17.1
3724	Aircraft engines and engine parts -----	E2	11	8	0.4	6.7	0.3	0.6	3.9	11.3	6.4	17.4	(D)	(NA)	(NA)
3728	Aircraft equipment, n.e.c. -----	E4	18	7	0.5	8.5	0.4	0.8	5.6	14.2	6.9	20.8	(D)	(NA)	(NA)
38	Instruments and related products -----	-	134	41	3.3	47.9	2.0	4.1	24.9	102.7	77.3	177.7	(D)	2.9	58.7
3825	Instruments to measure electricity -----	E1	18	7	0.6	9.9	0.3	0.7	4.2	19.7	13.1	31.5	(D)	(NA)	(NA)
3829	Measuring and controlling devices, n.e.c. -----	-	23	8	0.6	9.4	0.4	0.8	5.1	19.3	8.1	26.9	(D)	(NA)	(NA)
3842	Surgical appliances and supplies -----	-	12	6	0.5	6.0	0.4	0.7	3.7	14.0	24.7	38.2	0.3	0.3	7.1
Flint SMSA -----			402	111	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
25	Furniture and fixtures -----	-	8	5	0.6	7.2	0.5	1.0	5.3	12.9	14.0	26.3	0.4	(NA)	(NA)
26	Paper and allied products -----	-	8	6	0.6	7.3	0.4	0.7	4.3	15.5	21.3	36.5	0.6	0.5	6.8

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Flint SMSA—Con.														
27	Printing and publishing -----	E1	72	6	0.9	11.8	0.5	0.8	5.9	28.5	12.4	40.9	1.5	1.0	21.2
30	Rubber and miscellaneous plastics products -----	E1	22	6	0.5	4.7	0.4	0.7	2.9	11.9	14.7	26.7	1.6	0.6	8.8
32	Stone, clay, and glass products -----	-	32	9	0.8	11.4	0.5	1.1	6.6	26.0	22.9	49.0	5.4	(NA)	(NA)
327	Concrete, gypsum, and plaster products -----	-	24	6	0.3	5.4	0.2	0.4	2.7	12.7	13.4	26.1	(D)	0.5	11.5
344	Fabricated structural metal products -----	-	18	5	0.4	4.2	0.3	0.5	2.2	6.4	8.9	15.2	0.4	0.7	8.5
	Grand Rapids SMSA -----	-	1 359	528	82.6	1 168.9	61.8	123.6	786.8	2 582.2	2 326.5	4 869.2	177.7	74.9	1 514.4
20	Food and kindred products --	-	83	35	5.2	62.0	3.9	6.9	38.8	159.7	293.2	454.1	27.0	5.0	106.4
201	Meat products -----	E1	20	7	1.2	14.4	1.0	1.9	10.6	27.7	101.0	130.1	4.3	0.9	14.6
2013	Sausages and other prepared meats -----	-	6	5	0.6	7.8	0.5	0.9	5.8	12.7	47.0	61.2	(D)	(NA)	(NA)
202	Dairy products -----	-	8	4	0.5	6.9	0.3	0.6	3.7	19.2	60.3	79.2	(D)	0.4	10.2
203	Preserved fruits and vegetables -----	E1	13	6	0.8	7.7	0.7	1.1	6.1	17.8	39.0	56.8	1.0	0.9	28.3
205	Bakery products -----	-	18	11	2.1	23.7	1.6	2.8	15.5	61.3	57.9	119.3	(D)	2.1	37.0
208	Beverages -----	-	6	4	0.5	7.4	0.1	0.3	1.8	29.5	17.3	46.8	(D)	0.4	11.4
2086	Bottled and canned soft drinks -----	-	6	4	0.5	7.4	0.1	0.3	1.8	29.5	17.3	46.8	(D)	0.4	11.4
22	Textile mill products -----	-	11	5	1.0	10.6	0.8	1.5	7.4	21.6	28.6	49.9	(D)	0.9	14.5
25	Furniture and fixtures -----	E1	88	51	11.7	177.2	8.6	17.6	114.1	422.1	207.6	624.3	(D)	9.9	182.4
251	Household furniture -----	-	51	29	2.8	27.8	2.3	4.6	20.2	48.6	32.1	80.1	(D)	3.0	37.4
254	Partitions and fixtures -----	E7	15	7	0.5	5.9	0.4	0.7	3.2	10.6	9.2	19.7	(D)	1.0	14.0
27	Printing and publishing -----	-	168	40	3.1	38.0	2.0	3.6	21.8	95.5	58.4	151.4	2.6	3.2	58.2
273	Books -----	-	10	5	0.5	5.2	0.2	0.4	2.3	25.1	16.4	39.5	(D)	0.4	10.7
275	Commercial printing -----	-	99	18	1.2	14.9	0.9	1.7	9.8	27.7	27.5	54.9	(D)	1.3	22.2
2751	Commercial printing, letterpress -----	-	48	7	0.7	8.5	0.5	1.0	5.6	16.5	16.4	32.8	0.6	(NA)	(NA)
279	Printing trade services -----	E1	21	5	0.3	4.5	0.2	0.4	3.3	8.1	1.9	10.0	(D)	0.3	5.0
28	Chemicals and allied products -----	-	37	13	3.2	42.1	1.6	3.2	19.4	225.1	177.9	401.6	15.9	3.0	125.7
30	Rubber and miscellaneous plastics products -----	-	54	28	2.9	32.6	2.2	4.3	20.6	71.9	77.4	148.0	4.8	2.1	33.2
3079	Miscellaneous plastics products -----	-	48	24	2.2	24.6	1.7	3.3	14.7	55.6	55.0	109.6	(D)	1.5	24.0
327	Concrete, gypsum, and plaster products -----	-	38	10	0.7	11.2	0.5	1.1	7.6	23.8	24.5	47.9	1.6	0.8	18.2
3273	Ready-mixed concrete --	E1	17	6	0.3	4.4	0.2	0.4	3.0	9.6	12.2	21.7	(D)	0.3	7.7
33	Primary metal industries ----	-	56	31	4.4	69.3	3.7	7.9	53.8	120.1	142.1	258.7	11.7	4.7	82.1
3362	Brass, bronze, and copper foundries -----	-	5	4	0.5	7.8	0.5	0.8	6.5	15.5	11.8	27.0	(D)	(NA)	(NA)
3369	Nonferrous foundries, n.e.c. -----	-	12	9	1.3	16.1	1.1	2.3	11.1	39.7	34.8	73.9	2.2	1.8	32.8
34	Fabricated metal products ---	-	206	98	17.9	269.1	14.0	29.0	196.5	547.0	548.3	1 079.2	31.3	14.6	293.3
3429	Hardware, n.e.c. -----	-	11	9	4.6	67.1	3.1	6.3	42.5	122.2	93.5	208.5	9.4	3.5	82.6
344	Fabricated structural metal products -----	-	33	9	1.7	23.3	1.3	2.5	16.2	49.8	45.9	92.7	7.2	1.0	17.2
345	Screw machine products, bolts, etc. -----	-	21	13	0.7	9.3	0.6	1.2	6.4	21.6	17.9	38.6	1.4	(NA)	(NA)
346	Metal forgings and stampings -----	-	39	25	6.4	114.8	5.3	11.4	89.6	252.2	300.5	549.0	9.7	4.8	111.8
3465	Automotive stampings --	-	26	20	6.1	111.3	5.1	11.0	87.5	243.2	291.7	531.4	9.2	4.6	108.6
347	Metal services, n.e.c. -----	-	66	28	2.5	27.5	2.2	4.3	21.0	56.4	49.5	105.5	1.8	2.0	23.2
3471	Plating and polishing ---	-	46	17	1.8	20.6	1.5	3.0	16.2	44.9	43.0	87.6	1.3	1.4	17.4
3479	Metal coating and allied services -----	-	20	11	0.7	6.9	0.6	1.3	4.8	11.5	6.5	17.9	0.5	0.6	5.7
349	Miscellaneous fabricated metal products -----	-	25	9	1.4	19.9	1.2	2.5	15.5	34.2	27.3	60.7	(D)	1.1	20.0
35	Machinery, except electrical	E1	265	77	8.7	128.2	6.1	12.5	79.7	241.5	170.3	401.6	13.7	7.5	143.1
353	Construction and related machinery -----	-	18	5	1.1	18.8	0.6	1.2	8.0	34.1	24.6	56.5	0.4	0.9	27.0
354	Metalworking machinery ---	-	120	31	3.1	49.2	2.4	5.1	35.1	81.8	35.5	113.7	4.9	3.1	54.2
355	Special industry machinery -----	-	21	11	1.0	15.0	0.7	1.5	8.9	30.8	24.3	53.5	1.5	0.7	13.7
356	General industrial machinery -----	E2	30	9	0.9	13.5	0.6	1.3	8.5	27.0	14.8	40.0	4.3	0.8	14.8
358	Refrigeration and service machinery -----	-	12	6	1.4	17.2	1.0	1.8	11.1	39.3	42.4	81.4	1.5	(NA)	(NA)
36	Electric and electronic equipment -----	-	48	26	3.8	45.1	3.0	5.8	30.9	83.0	96.8	181.9	3.9	5.7	104.9
38	Instruments and related products -----	-	28	14	3.5	48.9	2.7	5.3	35.6	98.3	53.6	147.1	(D)	2.6	49.3
3811	Engineering and scientific instruments --	-	6	4	2.6	37.9	2.1	4.0	28.9	68.3	28.0	93.8	(D)	(NA)	(NA)
--	Administrative and auxiliary --	-	21	8	1.1	17.9	-	-	-	-	-	-	-	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SMSA's. see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Jackson SMSA -----	-	333	118	17.0	254.6	12.8	25.0	166.2	542.9	575.1	1 111.4	(D)	17.3	377.9
23	Apparel and other textile products -----	-	4	3	0.3	1.1	0.2	0.4	1.0	1.9	1.1	2.8	(D)	(NA)	(NA)
3079	Miscellaneous plastics products -----	-	7	4	0.4	3.1	0.3	0.5	2.2	6.4	5.2	11.6	(D)	0.3	4.8
32	Stone, clay, and glass products -----	-	15	5	0.4	5.2	0.2	0.5	3.0	10.2	8.5	18.6	0.3	0.5	9.1
34	Fabricated metal products ---	-	58	29	3.0	39.9	2.3	4.2	26.6	91.0	114.5	203.4	(D)	2.6	49.6
342	Cutlery, hand tools, and hardware -----	-	10	4	1.2	14.3	0.9	1.2	8.3	34.0	40.5	73.7	(D)	0.7	14.8
345	Screw machine products, bolts, etc. -----	E1	21	5	0.4	5.2	0.3	0.7	3.6	13.3	9.3	22.5	0.5	0.4	7.7
3451	Screw machine products -----	E1	21	5	0.4	5.2	0.3	0.7	3.6	13.3	9.3	22.5	0.5	0.4	7.7
346	Metal forgings and stampings -----	-	11	7	0.8	12.4	0.6	1.2	8.9	28.1	51.7	79.0	(D)	0.6	13.7
3465	Automotive stampings ---	-	7	4	0.5	7.6	0.3	0.7	4.7	18.5	28.2	46.2	(D)	0.3	2.8
35	Machinery, except electrical -	-	113	28	4.5	70.0	3.5	7.0	48.4	147.5	105.1	250.6	(D)	4.9	105.9
354	Metalworking machinery ---	-	47	11	1.0	13.5	0.8	1.7	10.3	28.1	20.3	47.4	(D)	0.5	9.4
359	Miscellaneous machinery, except electrical -----	-	44	7	0.8	10.8	0.6	1.3	7.0	21.4	11.2	32.6	(D)	0.9	17.1
3599	Machinery, except electrical, n.e.c. -----	-	44	7	0.8	10.8	0.6	1.3	7.0	21.4	11.2	32.6	(D)	0.9	17.1
--	Administrative and auxiliary --	-	12	5	0.5	13.1	-	-	-	-	-	-	-	(NA)	(NA)
	Kalamazoo-Portage SMSA ---	-	488	183	34.6	551.7	23.0	46.5	334.8	1 178.0	1 307.6	2 465.7	75.5	32.1	753.6
20	Food and kindred products --	-	41	18	1.6	19.2	1.2	2.5	13.6	72.6	108.2	180.3	4.0	1.8	46.9
203	Preserved fruits and vegetables -----	-	16	8	0.8	7.8	0.6	1.3	5.3	27.9	44.3	71.7	(D)	1.0	22.9
24	Lumber and wood products --	-	24	5	0.4	3.3	0.3	0.6	2.3	7.8	5.3	13.1	0.4	0.5	4.8
25	Furniture and fixtures -----	-	10	6	0.7	8.6	0.5	1.2	5.3	17.4	18.0	35.5	0.7	(NA)	(NA)
26	Paper and allied products ---	-	30	23	5.6	88.8	4.2	9.0	64.4	197.5	320.4	512.4	15.7	6.0	107.4
2621	Paper mills, except building paper -----	-	4	4	2.2	39.6	1.7	3.9	30.6	100.0	155.0	253.4	(D)	(NA)	(NA)
265	Paperboard containers and boxes -----	-	13	11	1.5	22.2	1.1	2.2	13.9	48.0	79.6	125.2	(D)	2.0	33.5
27	Printing and publishing -----	-	75	14	1.7	21.0	1.1	2.0	11.7	42.2	29.5	71.6	1.1	1.4	26.1
275	Commercial printing -----	-	38	5	0.6	7.0	0.4	0.8	4.4	11.3	7.2	18.6	(D)	0.4	5.2
2752	Commercial printing, lithographic -----	-	20	3	0.4	4.7	0.3	0.5	3.0	7.8	4.4	12.3	0.2	0.3	3.3
2761	Manifold business forms -----	-	4	3	0.3	4.0	0.1	0.3	1.5	7.6	11.5	18.8	(D)	(NA)	(NA)
289	Miscellaneous chemical products -----	-	10	5	0.3	4.3	0.2	0.4	2.0	14.2	47.5	59.8	0.5	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	-	25	15	1.5	17.5	1.1	2.2	11.6	27.5	37.9	64.9	2.6	1.6	22.1
3069	Fabricated rubber products, n.e.c. -----	-	7	4	0.5	5.9	0.4	0.7	4.1	10.1	8.0	18.0	0.2	(NA)	(NA)
3079	Miscellaneous plastics products -----	-	18	11	1.0	11.5	0.8	1.6	7.5	17.4	30.0	46.9	2.4	1.0	15.0
32	Stone, clay, and glass products -----	-	17	4	0.3	4.2	0.2	0.4	2.4	10.5	9.8	20.5	1.3	0.4	5.1
33	Primary metal industries ----	-	19	10	1.7	22.6	1.4	2.8	18.4	52.7	47.5	99.3	(D)	1.7	33.3
34	Fabricated metal products ---	-	49	18	5.0	101.8	4.3	8.8	81.6	189.4	229.9	416.1	9.2	4.0	100.4
35	Machinery, except electrical -	-	104	30	3.5	48.6	2.2	4.4	27.4	99.0	67.0	166.5	6.7	3.1	64.8
353	Construction and related machinery -----	-	7	4	0.3	5.0	0.2	0.4	2.7	10.2	9.6	19.3	0.5	(NA)	(NA)
354	Metalworking machinery ---	-	30	8	0.9	11.6	0.5	1.1	7.0	15.6	16.3	33.6	1.1	0.8	17.3
3541	Machine tools, metal cutting types -----	-	4	3	0.4	4.7	0.2	0.4	2.3	3.4	12.0	17.1	0.4	0.4	9.8
356	General industrial machinery -----	-	17	9	1.7	24.8	1.0	2.1	13.3	58.7	29.4	88.1	4.0	1.5	32.1
36	Electric and electronic equipment -----	-	13	2	0.3	2.4	0.2	0.3	1.1	4.3	6.7	11.1	0.1	(NA)	(NA)
39	Miscellaneous manufacturing industries ---	-	19	3	0.8	9.9	0.7	1.4	8.0	14.7	11.8	25.0	0.3	0.7	8.5
	Lansing-East Lansing SMSA -	-	462	153	41.7	782.3	33.6	72.5	599.0	1 435.5	3 854.1	5 269.2	(D)	42.1	981.4
202	Dairy products -----	-	6	4	0.5	8.4	0.4	0.7	5.2	25.4	79.5	106.6	(D)	0.5	18.6
203	Preserved fruits and vegetables -----	-	3	3	0.3	3.3	0.3	0.6	2.5	1.3	15.9	17.2	(D)	(NA)	(NA)
33	Primary metal industries ----	-	8	5	1.3	17.5	1.1	2.1	13.2	41.4	65.9	107.6	1.8	1.3	20.4
344	Fabricated structural metal products -----	-	15	5	0.7	8.8	0.6	1.1	5.5	13.5	24.1	37.6	0.5	(NA)	(NA)
346	Metal forgings and stampings -----	-	15	11	2.0	31.9	1.6	3.2	22.9	57.9	75.1	133.2	2.2	(NA)	(NA)
3462	Iron and steel forgings ---	-	5	5	1.3	25.2	1.0	2.0	18.4	43.4	57.7	101.4	1.7	(NA)	(NA)
349	Miscellaneous fabricated metal products -----	-	9	6	0.5	6.4	0.4	0.8	4.7	15.1	14.4	29.4	0.8	(NA)	(NA)
3494	Valves and pipe fittings ---	-	5	4	0.3	4.3	0.3	0.6	3.7	12.0	8.1	19.6	0.6	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Lansing-East Lansing SMSA —Con.														
35	Machinery, except electrical -	-	78	33	4.8	70.6	3.9	8.0	52.2	155.1	149.4	293.3	6.3	4.0	75.3
355	Special industry machinery -----	-	4	3	0.4	3.9	0.3	0.6	3.2	11.1	9.4	18.6	0.4	(NA)	(NA)
356	General industrial machinery -----	-	11	4	0.8	13.1	0.6	1.4	10.0	24.3	22.2	46.4	1.3	0.3	4.2
359	Miscellaneous machinery, except electrical -----	E1	15	5	1.0	13.5	0.8	1.6	10.8	26.9	13.0	41.2	1.6	(NA)	(NA)
--	Administrative and auxiliary --	-	12	7	0.4	8.2	-	-	-	-	-	-	-	(NA)	(NA)
	Muskegon-Norton Shores-Muskegon Heights SMSA -----	-	304	126	22.3	329.5	16.0	32.1	218.3	666.0	586.6	1 244.5	44.1	22.8	401.6
20	Food and kindred products --	-	21	8	0.8	6.9	0.6	1.1	3.9	13.4	35.1	48.4	2.0	1.0	13.2
203	Preserved fruits and vegetables -----	-	7	4	0.4	2.9	0.4	0.7	2.1	5.6	13.6	19.2	(D)	0.4	6.2
25	Furniture and fixtures -----	-	9	7	1.4	17.0	1.2	2.3	13.6	39.7	24.8	63.2	0.7	1.1	20.0
254	Partitions and fixtures -----	-	3	3	0.5	5.0	0.4	0.7	2.7	9.3	7.3	16.3	(D)	(NA)	(NA)
28	Chemicals and allied products -----	-	15	7	0.6	9.6	0.4	0.8	4.9	30.3	41.5	70.6	5.3	0.8	24.3
33	Primary metal industries ----	-	35	20	5.5	80.3	4.5	8.9	61.4	152.8	129.9	281.6	4.8	5.8	112.0
3361	Aluminum foundries ----	-	9	5	0.3	5.2	0.3	0.5	4.0	14.3	7.7	22.1	1.0	(NA)	(NA)
34	Fabricated metal products ---	-	45	21	1.7	20.1	1.3	2.5	13.5	44.3	30.4	74.3	4.0	1.3	23.1
344	Fabricated structural metal products -----	E2	15	4	0.3	3.3	0.2	0.3	1.9	7.1	6.3	13.5	0.8	(NA)	(NA)
347	Metal services, n.e.c. -----	-	14	6	0.5	5.2	0.3	0.6	2.9	14.0	6.0	19.8	1.7	(NA)	(NA)
349	Miscellaneous fabricated metal products -----	-	8	5	0.7	9.1	0.6	1.2	7.1	18.2	13.4	31.6	1.1	0.7	13.0
35	Machinery, except electrical -	-	73	28	7.5	128.4	5.1	10.4	80.4	261.8	210.0	467.4	19.8	7.4	118.8
354	Metalworking machinery ---	-	25	10	0.4	5.5	0.3	0.6	3.6	10.9	4.4	15.0	0.4	0.5	9.6
356	General industrial machinery -----	-	14	7	0.9	18.5	0.8	1.6	13.7	30.5	13.6	42.4	(D)	0.7	17.2
359	Miscellaneous machinery, except electrical -----	-	23	6	2.5	43.4	1.8	3.8	28.5	66.2	22.9	87.3	(D)	2.1	21.7
38	Instruments and related products -----	-	9	4	0.3	2.3	0.2	0.3	1.3	7.3	5.6	13.9	(D)	(NA)	(NA)
--	Administrative and auxiliary --	-	11	7	0.5	8.7	-	-	-	-	-	-	-	(NA)	(NA)
	Saginaw SMSA -----	-	236	88	34.1	708.7	27.3	59.2	548.5	1 471.5	1 648.3	3 115.7	87.3	33.8	921.1
20	Food and kindred products --	E1	30	13	1.6	20.4	1.2	2.2	12.8	82.7	105.7	191.5	1.7	(NA)	(NA)
34	Fabricated metal products ---	-	18	9	0.7	11.1	0.5	1.0	6.3	20.6	16.2	36.7	0.9	0.9	12.2
356	General industrial machinery -----	-	14	3	0.3	3.7	0.2	0.4	2.4	13.6	7.7	21.2	0.4	(NA)	(NA)
	Toledo, Ohio-Mich., SMSA ---	-	1 247	455	92.7	1 504.2	65.2	128.4	963.6	3 203.0	5 007.8	8 169.9	259.7	91.2	1 878.9
20	Food and kindred products --	-	87	30	4.3	56.4	3.2	6.4	38.1	234.7	463.2	696.3	9.7	5.1	149.7
201	Meat products -----	-	15	5	0.5	5.9	0.4	0.8	4.7	17.6	110.5	127.6	0.5	0.4	3.3
202	Dairy products -----	-	7	7	0.5	6.8	0.3	0.6	3.3	17.9	56.7	74.4	1.0	0.6	8.8
205	Bakery products -----	-	10	4	0.5	6.3	0.3	0.5	3.7	15.7	13.6	29.3	0.7	0.7	13.3
22	Textile mill products -----	-	6	4	1.1	15.2	0.7	1.5	9.4	31.2	54.4	86.6	(D)	1.6	33.4
24	Lumber and wood products --	-	46	14	1.1	11.6	0.8	1.5	6.8	27.3	34.4	60.5	0.8	1.3	20.4
243	Millwork, plywood, and structural members -----	-	17	6	0.4	3.5	0.3	0.6	2.5	10.7	11.3	21.1	0.3	0.3	3.7
25	Furniture and fixtures -----	-	29	11	2.2	23.5	1.7	3.1	15.6	35.0	31.7	65.1	2.7	1.9	30.9
251	Household furniture -----	-	11	6	1.8	18.8	1.4	2.6	12.8	26.6	25.1	50.9	2.3	1.4	21.7
26	Paper and allied products ---	-	37	27	2.9	37.6	2.3	4.8	27.6	72.6	105.9	178.0	5.0	3.1	53.4
2631	Paperboard mills -----	-	3	3	0.6	10.9	0.5	1.2	8.5	12.9	17.4	30.8	1.0	(NA)	(NA)
264	Miscellaneous converted paper products -----	-	12	8	1.1	11.3	0.8	1.7	8.1	25.9	37.3	62.3	2.1	(NA)	(NA)
2643	Bags, except textile bags -----	-	3	3	0.3	3.4	0.3	0.5	2.5	7.1	11.2	18.2	(D)	(NA)	(NA)
265	Paperboard containers and boxes -----	-	22	16	1.2	15.3	0.9	1.9	11.0	33.8	51.2	84.9	2.0	1.3	22.1
2653	Corrugated and solid fiber boxes -----	E1	16	11	0.9	11.5	0.7	1.3	8.0	24.1	34.9	59.1	1.5	0.9	14.4
27	Printing and publishing ----	-	146	18	2.3	34.7	1.4	2.5	19.3	97.2	25.6	122.6	3.7	2.4	42.1
2752	Commercial printing, lithographic -----	-	35	7	0.4	6.0	0.3	0.6	3.7	10.5	7.5	17.9	1.1	0.4	5.7
28	Chemicals and allied products -----	-	47	15	1.9	31.8	1.2	2.3	18.6	134.0	197.0	324.2	3.5	1.9	84.2
284	Soaps, cleaners, and toilet goods -----	-	10	3	0.4	5.9	0.2	0.4	2.6	34.5	22.0	56.2	0.2	0.5	34.5
289	Miscellaneous chemical products -----	-	12	5	0.4	5.2	0.2	0.4	2.5	15.2	21.8	36.7	0.8	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SMSA's, see appendix A. For explanation of terms, see appendix B.															
SIC code	SMSA and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Toledo, Ohio-Mich., SMSA— Con.														
29	Petroleum and coal products -----	-	17	7	1.7	35.2	1.1	2.4	22.7	325.5	1 529.8	1 841.0	30.9	1.7	146.6
2911	Petroleum refining -----	-	3	3	1.3	30.5	0.9	1.9	19.6	310.4	1 505.5	1 801.8	(D)	1.6	140.9
30	Rubber and miscellaneous plastics products -----	-	58	33	3.4	39.4	2.7	5.3	26.9	89.0	90.5	177.3	48.4	3.0	47.5
32	Stone, clay, and glass products -----	-	86	30	10.1	168.5	8.5	17.4	138.0	386.3	261.5	643.7	31.9	9.8	285.6
33	Primary metal industries ----	-	53	35	6.5	96.5	5.3	10.5	75.3	171.2	323.4	496.5	14.5	6.1	112.4
331	Blast furnace and basic steel products -----	-	15	11	1.9	29.4	1.5	3.1	23.5	42.9	110.3	157.2	3.1	1.3	29.2
3317	Steel pipe and tubes ----	-	5	5	0.9	13.1	0.8	1.5	10.8	24.1	29.5	53.6	(D)	0.4	6.2
332	Iron and steel foundries ----	-	13	8	1.2	15.8	1.0	2.0	12.5	28.1	17.1	44.8	1.0	0.8	13.5
3325	Steel foundries, n.e.c. ----	-	3	3	0.8	10.9	0.6	1.3	8.9	19.2	9.7	28.5	(D)	(NA)	(NA)
34	Fabricated metal products ---	-	173	82	9.4	139.3	7.5	14.4	101.6	302.2	414.2	713.8	21.5	7.5	125.1
341	Metal cans and shipping containers -----	-	4	4	0.6	10.9	0.5	1.1	9.0	29.7	57.3	85.8	(D)	(NA)	(NA)
3411	Metal cans -----	-	4	4	0.6	10.9	0.5	1.1	9.0	29.7	57.3	85.8	(D)	(NA)	(NA)
344	Fabricated structural metal products -----	-	37	13	1.3	20.3	1.0	1.7	13.6	48.3	104.9	151.6	2.7	1.2	19.4
3444	Sheet metal work -----	E1	12	3	0.6	9.1	0.4	0.7	6.7	22.0	75.4	96.5	(D)	(NA)	(NA)
345	Screw machine products, bolts, etc. -----	-	14	3	0.4	5.0	0.3	0.7	4.0	6.7	11.3	17.9	0.4	0.4	6.0
346	Metal forgings and stampings -----	-	54	39	5.2	79.7	4.3	8.3	60.1	167.4	187.5	356.2	12.8	3.8	62.3
3465	Automotive stampings ----	-	25	21	3.4	56.1	2.8	5.6	42.6	124.1	145.5	270.4	11.2	2.4	40.4
347	Metal services, n.e.c. ----	-	28	7	0.5	4.7	0.4	0.8	3.3	9.0	3.2	12.2	0.4	0.5	9.2
3471	Plating and polishing ----	-	22	4	0.3	3.4	0.3	0.5	2.3	7.0	2.2	9.2	(D)	0.3	6.7
349	Miscellaneous fabricated metal products -----	-	25	11	0.9	11.5	0.7	1.3	8.0	21.9	34.6	56.4	1.1	1.1	18.1
3499	Fabricated metal products, n.e.c. -----	-	11	5	0.3	5.1	0.3	0.5	3.8	7.2	14.5	21.5	0.3	(NA)	(NA)
35	Machinery, except electrical -	-	256	60	7.7	118.0	5.2	10.5	70.8	250.0	158.4	411.2	10.4	9.7	163.4
354	Metalworking machinery ---	-	101	23	1.9	30.6	1.5	3.0	22.2	46.3	32.4	78.4	2.3	1.9	35.1
356	General industrial machinery -----	-	37	11	2.7	44.4	1.5	3.1	22.6	79.4	59.5	138.7	4.3	2.6	49.0
358	Refrigeration and service machinery -----	-	8	4	0.9	10.3	0.7	1.4	6.7	22.4	21.8	43.6	(D)	1.1	21.3
359	Miscellaneous machinery, except electrical -----	E2	67	8	0.6	8.5	0.5	0.9	6.0	14.1	7.9	21.9	1.3	1.0	16.0
3599	Machinery, except electrical, n.e.c. -----	E2	67	8	0.6	8.5	0.5	0.9	6.0	14.1	7.9	21.9	1.3	(NA)	(NA)
36	Electric and electronic equipment -----	-	29	13	5.7	95.7	4.1	7.8	61.0	237.9	139.1	370.1	(D)	5.8	132.1
37	Transportation equipment ---	-	50	26	20.9	392.9	17.8	34.8	319.4	758.7	1 144.8	1 900.2	58.2	19.5	411.4
371	Motor vehicles and equipment -----	-	31	19	19.5	370.5	16.8	33.0	305.4	716.3	1 107.0	1 818.3	56.6	17.6	381.3
373	Ship and boat building and repairing -----	-	9	3	0.6	7.9	0.6	0.8	7.2	11.8	3.4	15.2	(D)	0.8	9.6
38	Instruments and related products -----	-	22	5	0.9	9.2	0.6	1.2	5.8	21.0	11.6	32.4	0.6	0.4	7.3
384	Medical instruments and supplies -----	-	13	4	0.8	8.2	0.6	1.1	5.2	18.1	10.0	28.1	0.5	0.4	6.5
39	Miscellaneous manufacturing industries ---	-	34	7	0.9	7.7	0.7	1.3	4.9	24.6	17.3	40.7	0.5	1.3	17.1
--	Administrative and auxiliary --	-	45	31	9.3	188.4	-	-	-	-	-	-	-	(NA)	(NA)

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (S) Withheld because estimate did not meet publication standards.
 (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977												1972	
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Allegan County -----	-	150	66	9.1	110.7	7.1	13.8	77.1	309.0	332.6	632.3	38.5	7.6	154.2
20	Food and kindred products --	-	18	12	1.8	21.2	1.5	2.9	15.6	106.9	131.3	236.0	17.1	1.2	46.9
26	Paper and allied products ---	-	6	3	0.8	14.4	0.6	1.4	11.2	32.8	42.7	73.6	(D)	0.7	17.4
34	Fabricated metal products ---	-	32	15	1.6	18.1	1.3	2.6	12.0	39.3	31.7	69.9	4.5	1.1	17.8
35	Machinery, except electrical --	-	26	8	1.6	22.7	1.3	2.3	16.3	58.6	46.9	104.4	4.9	2.1	40.7
	Alpena County -----	-	57	13	3.0	44.0	2.2	4.7	32.3	95.6	72.1	173.7	4.6	2.9	85.8
24	Lumber and wood products --	-	21	3	0.7	9.9	0.5	1.0	7.4	14.9	22.1	38.0	1.7	(NA)	(NA)
35	Machinery, except electrical --	-	9	3	0.7	10.0	0.4	0.9	5.7	11.8	12.0	24.0	(D)	(NA)	(NA)
	Antrim County -----	-	51	11	1.6	18.1	1.4	2.6	13.8	39.2	33.9	73.0	1.3	1.2	19.4
	Baraga County -----	-	42	6	0.7	8.6	0.5	1.2	6.2	13.6	32.5	44.9	(D)	0.7	12.0
	Barry County -----	-	37	14	2.7	38.7	1.9	3.8	24.8	81.0	73.9	153.5	2.6	3.3	60.7
	Bay County (Coextensive with Bay City, Mich, SMSA; see table 6.)														
	Benzie County -----	-	21	8	0.7	7.1	0.6	1.2	5.2	21.7	23.2	44.8	0.9	0.7	7.4
	Berrien County -----	-	371	139	24.9	354.9	18.3	35.7	227.0	744.0	909.1	1 661.1	36.5	28.3	546.2
20	Food and kindred products --	-	22	12	1.2	12.7	0.8	1.6	7.2	43.8	86.1	130.6	1.8	0.9	17.8
203	Preserved fruits and vegetables -----	-	10	8	0.9	8.7	0.6	1.2	4.9	32.7	56.8	89.8	(D)	0.6	13.8
26	Paper and allied products ---	-	15	9	0.8	13.0	0.6	1.3	9.1	27.0	54.8	82.6	0.9	1.3	19.5
27	Printing and publishing -----	-	44	11	1.6	20.8	1.2	2.0	14.2	74.6	22.0	94.9	3.8	2.5	79.3
30	Rubber and miscellaneous plastics products -----	-	18	13	1.4	13.3	1.2	2.1	9.8	23.8	23.4	47.2	0.5	1.5	20.3
33	Primary metal industries -----	-	32	23	5.4	80.2	4.2	9.0	57.3	122.2	186.8	313.5	15.6	5.5	101.0
34	Fabricated metal products ---	-	52	21	1.5	19.4	1.3	2.4	14.3	46.0	57.5	102.6	1.6	1.8	38.8
35	Machinery, except electrical --	-	93	28	5.0	79.5	3.5	6.6	49.8	168.8	223.0	401.0	4.7	6.1	108.5
354	Metalworking machinery ---	-	33	10	0.8	12.6	0.6	1.4	9.1	20.2	8.6	27.4	0.8	0.6	9.4
365	Radio and TV receiving equipment -----	-	5	3	0.7	7.2	0.6	1.2	4.5	7.0	9.0	16.4	(D)	(NA)	(NA)
3651	Radio and TV receiving sets -----	-	5	3	0.7	7.2	0.6	1.2	4.5	7.0	9.0	16.4	(D)	(NA)	(NA)
	Branch County -----	-	93	41	5.0	56.4	3.9	8.0	40.4	122.1	187.9	309.8	8.8	3.6	58.9
349	Miscellaneous fabricated metal products -----	-	7	5	0.8	8.1	0.6	1.3	6.1	15.7	20.6	35.9	(D)	(NA)	(NA)
	Calhoun County -----	-	203	86	20.3	342.8	14.7	28.7	234.1	944.2	764.3	1 714.6	44.2	21.6	635.1
20	Food and kindred products --	-	21	11	6.1	119.0	5.2	10.5	97.6	505.1	315.9	819.6	(D)	6.2	313.5
33	Primary metal industries -----	-	14	9	2.2	35.2	1.6	3.1	22.9	74.0	47.4	121.2	5.9	2.4	47.6
349	Miscellaneous fabricated metal products -----	-	8	3	0.7	8.9	0.5	1.1	6.2	13.4	12.4	24.9	(D)	(NA)	(NA)
	Cass County -----	-	91	34	4.3	50.9	3.5	6.8	36.9	98.2	143.3	241.8	6.3	3.5	59.2
24	Lumber and wood products --	E4	19	6	0.7	7.7	0.6	1.1	5.5	14.4	24.3	38.6	1.0	0.5	9.4
35	Machinery, except electrical --	-	16	4	1.0	13.7	0.7	1.4	9.6	23.5	20.3	43.8	0.9	1.1	19.4
37	Transportation equipment ---	-	12	7	0.8	9.7	0.6	1.2	6.9	20.8	56.9	78.0	0.4	(NA)	(NA)
	Charlevoix County -----	-	52	18	2.1	24.4	1.7	3.3	17.3	70.9	44.0	116.2	4.0	2.0	45.4
	Cheboygan County -----	-	38	9	1.1	13.4	0.8	1.5	9.3	46.1	62.5	108.7	1.5	1.1	22.1
	Clare County -----	-	44	12	1.0	9.2	0.8	1.5	6.5	20.8	29.2	50.0	0.7	0.5	10.0
	Crawford County -----	-	22	6	0.7	7.6	0.5	0.9	4.2	23.7	11.5	34.4	0.9	0.5	7.8
	Delta County -----	-	73	18	3.2	46.5	2.4	4.7	34.8	122.2	131.6	261.0	6.2	2.6	40.7
	Dickinson County -----	-	70	19	2.4	26.4	1.8	3.5	17.8	54.1	50.0	102.0	3.7	1.7	22.2
24	Lumber and wood products --	-	27	4	0.6	5.0	0.5	1.0	3.9	10.9	11.5	22.4	1.0	(NA)	(NA)
	Eaton County -----	-	91	34	4.3	54.8	3.4	6.3	35.9	112.4	123.3	234.3	5.0	3.1	59.9
344	Fabricated structural metal products -----	-	6	5	0.7	8.1	0.6	1.0	5.1	11.7	21.1	32.9	0.5	(NA)	(NA)
	Emmet County -----	-	41	12	1.3	14.3	1.0	2.1	10.2	27.6	30.5	57.5	2.9	0.9	13.3
	Gladwin County -----	-	25	6	0.5	6.8	0.4	0.8	4.8	15.0	17.2	32.1	0.6	0.6	7.9

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies.
For explanation of terms, see appendix B]

SIC code	County and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
3462	Gogebic County -----	-	52	10	0.9	8.2	0.7	1.4	6.4	12.8	14.2	26.0	2.2	1.0	12.4
	Grand Traverse County -----	-	91	31	3.7	39.7	2.9	5.2	25.9	107.1	97.9	202.3	6.3	3.0	48.8
	Gratiot County -----	-	38	16	2.6	34.5	2.2	4.4	26.3	119.7	315.9	433.8	(D)	3.5	79.4
	Hillsdale County -----	-	89	32	4.4	56.4	3.6	7.1	41.8	145.4	218.7	363.1	6.1	4.1	85.1
	Houghton County -----	-	48	13	0.8	6.7	0.6	1.1	4.6	13.1	17.0	30.2	0.6	0.7	9.3
	Huron County -----	-	54	20	1.9	24.7	1.6	3.1	17.6	53.8	56.5	108.8	4.6	1.7	29.6
	Iron and steel forgings -----	-	5	5	1.3	25.2	1.0	2.0	18.4	43.4	57.7	101.4	1.7	(NA)	(NA)
	Ionia County -----	-	74	27	5.5	71.2	4.5	9.0	54.7	172.4	254.6	417.4	7.9	4.2	71.6
	Iosco County -----	-	41	16	1.1	9.7	1.0	1.8	7.7	24.6	23.0	47.2	1.8	0.8	11.8
	Iron County -----	-	43	5	0.6	4.9	0.5	0.8	3.9	8.5	11.0	19.4	0.3	0.2	1.7
	Isabella County -----	-	27	8	1.0	13.2	0.8	1.6	9.1	31.0	32.4	61.2	1.3	0.7	10.2
	Jackson County (Coextensive with Jackson, Mich., SMSA; see table 6.)	-													
	Kalamazoo County -----	-	366	139	30.0	499.2	19.3	39.4	296.2	1 055.0	1 179.2	2 216.6	(D)	27.1	671.7
20	Food and kindred products --	-	19	7	0.7	10.6	0.5	1.1	7.8	43.1	61.3	104.3	2.9	(NA)	(NA)
26	Paper and allied products ---	-	30	23	5.6	88.8	4.2	9.0	64.4	197.5	320.4	512.4	15.7	6.0	107.4
2621	Paper mills, except building paper -----	-	4	4	2.2	39.6	1.7	3.9	30.6	100.0	155.0	253.4	(D)	(NA)	(NA)
265	Paperboard containers and boxes -----	-	13	11	1.5	22.2	1.1	2.2	13.9	48.0	79.6	125.2	(D)	2.0	33.5
275	Commercial printing -----	-	32	5	0.5	6.8	0.4	0.7	4.2	10.9	6.9	17.9	(D)	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	-	19	10	1.1	13.0	0.8	1.7	8.5	19.9	31.1	50.7	2.3	1.2	17.3
33	Primary metal industries -----	E2	12	5	0.5	5.1	0.4	0.8	3.7	10.6	13.1	23.5	(D)	0.5	7.4
35	Machinery, except electrical --	-	79	21	3.1	44.0	1.9	3.8	24.3	88.6	58.2	147.8	6.0	2.8	59.1
354	Metalworking machinery ---	-	25	7	0.8	11.1	0.5	1.1	6.7	14.9	16.1	32.6	(D)	(NA)	(NA)
356	General industrial machinery -----	-	12	7	1.6	23.8	0.9	1.9	12.5	55.9	27.9	83.8	3.9	(NA)	(NA)
	Kent County -----	-	991	385	62.4	917.6	46.9	94.7	629.0	1 995.4	1 765.7	3 733.4	133.1	58.0	1 198.8
20	Food and kindred products --	-	57	26	3.8	47.8	2.7	4.9	28.4	120.6	203.2	326.3	21.9	3.7	70.2
201	Meat products -----	E1	12	5	0.7	8.6	0.6	1.0	6.6	14.2	60.2	77.1	3.3	(NA)	(NA)
205	Bakery products -----	-	15	9	2.0	23.1	1.5	2.7	14.9	60.1	57.0	117.2	(D)	(NA)	(NA)
251	Household furniture -----	-	39	24	2.2	21.6	1.8	3.5	15.6	38.1	26.7	64.3	(D)	2.1	27.6
27	Printing and publishing -----	-	146	35	2.9	35.3	1.8	3.3	20.3	89.2	56.0	142.8	2.2	(NA)	(NA)
275	Commercial printing -----	-	86	16	1.1	13.8	0.9	1.6	9.2	25.5	26.1	51.5	(D)	(NA)	(NA)
2751	Commercial printing, letterpress -----	-	42	6	0.7	8.2	0.5	0.9	5.4	15.9	16.1	31.8	0.6	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	-	38	19	1.8	21.1	1.5	2.8	14.1	46.5	54.6	100.5	3.4	1.4	22.8
32	Stone, clay, and glass products -----	-	37	8	0.6	9.5	0.4	1.0	6.5	20.2	20.3	40.1	1.5	0.7	15.4
33	Primary metal industries -----	-	46	24	3.7	59.6	3.1	6.7	46.3	99.2	121.0	217.3	10.5	4.0	67.9
332	Iron and steel foundries ---	-	7	5	0.6	10.5	0.6	1.2	8.6	12.1	11.0	22.9	(D)	(NA)	(NA)
335	Nonferrous rolling and drawing -----	-	6	3	1.2	24.8	1.0	2.4	20.2	29.8	64.1	92.3	(D)	0.6	5.7
336	Nonferrous foundries -----	-	17	14	1.6	22.0	1.4	2.9	15.9	52.3	42.0	93.3	2.6	(NA)	(NA)
34	Fabricated metal products ---	-	154	73	15.1	232.0	11.8	24.7	170.5	475.1	470.3	930.6	26.3	12.0	250.5
344	Fabricated structural metal products -----	E1	24	5	0.6	7.4	0.4	0.8	4.8	18.0	15.6	31.7	(D)	(NA)	(NA)
346	Metal forgings and stampings -----	-	25	18	5.4	101.9	4.5	10.0	81.1	228.4	264.5	489.5	8.3	4.1	101.7
347	Metal services, n.e.c. -----	-	54	22	2.3	25.5	2.0	3.9	19.6	53.3	48.1	101.0	1.7	(NA)	(NA)
3471	Plating and polishing -----	-	39	14	1.7	19.5	1.4	2.8	15.3	43.1	42.5	85.3	1.2	(NA)	(NA)
3479	Metal coating and allied services -----	-	15	8	0.7	6.1	0.6	1.1	4.2	10.2	5.6	15.7	0.4	(NA)	(NA)
35	Machinery, except electrical --	-	186	55	5.8	88.4	4.2	8.7	57.8	160.5	110.0	264.3	8.2	5.1	98.5
353	Construction and related machinery -----	-	12	4	1.0	17.5	0.5	1.1	7.3	29.4	21.4	49.4	0.3	(NA)	(NA)
354	Metalworking machinery ---	-	84	24	2.0	32.8	1.7	3.6	26.0	54.0	22.7	74.9	3.4	2.0	36.9
356	General industrial machinery -----	-	21	7	0.7	10.4	0.5	1.0	6.7	20.2	10.7	30.0	(D)	(NA)	(NA)
36	Electric and electronic equipment -----	-	31	17	2.6	30.2	2.1	3.9	21.2	58.4	77.2	136.5	3.5	4.1	82.6
37	Transportation equipment ---	-	17	10	3.8	69.4	3.2	6.7	54.8	166.7	92.8	259.1	7.5	4.6	117.9
38	Instruments and related products -----	-	17	8	2.7	39.5	2.2	4.1	29.9	74.0	33.3	103.7	(D)	(NA)	(NA)
--	Administrative and auxiliary --	-	18	7	0.8	14.0	-	-	-	-	-	-	-	(NA)	(NA)

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Lapeer County -----	-	79	32	2.9	36.2	2.2	4.1	22.9	70.2	83.5	152.1	4.5	2.2	39.6
34	Fabricated metal products ---	-	19	9	0.6	8.0	0.5	0.9	5.6	17.0	16.7	33.3	1.6	(NA)	(NA)
37	Transportation equipment ---	-	9	4	0.6	7.8	0.5	0.9	5.1	16.4	27.2	42.5	0.3	(NA)	(NA)
	Lenawee County -----	-	176	67	11.2	161.9	8.7	17.2	117.2	334.8	486.6	820.5	18.8	12.2	251.7
	Livingston County -----	-	120	55	4.1	53.7	2.9	5.9	32.6	131.6	141.0	270.4	10.0	3.6	64.1
33	Primary metal industries -----	E1	7	5	0.5	6.5	0.4	0.9	4.6	15.5	19.7	35.0	0.4	(NA)	(NA)
354	Metalworking machinery ---	-	14	7	0.6	9.2	0.4	0.8	5.5	16.0	14.7	29.7	1.0	(NA)	(NA)
37	Transportation equipment ---	-	7	6	0.7	9.0	0.5	0.9	5.0	27.5	23.7	51.3	(D)	(NA)	(NA)
371	Motor vehicles and equipment -----	-	7	6	0.7	9.0	0.5	0.9	5.0	27.5	23.7	51.3	(D)	(NA)	(NA)
3714	Motor vehicle parts and accessories -----	-	7	6	0.7	9.0	0.5	0.9	5.0	27.5	23.7	51.3	(D)	(NA)	(NA)
	Macomb County -----	-	1 740	591	109.9	2 108.0	70.0	147.0	1 124.5	3 129.9	4 745.0	7 824.3	242.5	92.5	1 654.0
20	Food and kindred products --	-	27	16	1.6	14.8	1.1	2.2	10.2	42.5	134.7	176.3	2.0	1.0	23.3
24	Lumber and wood products --	-	39	6	0.6	6.9	0.5	0.9	4.8	13.0	25.5	37.9	(D)	(NA)	(NA)
27	Printing and publishing -----	E1	84	13	1.0	14.1	0.6	1.1	7.8	29.6	22.6	51.9	1.1	1.0	16.4
28	Chemicals and allied products -----	-	17	7	1.1	25.0	0.6	1.4	12.0	72.4	92.8	167.0	6.4	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	E1	82	39	5.2	50.3	4.2	8.3	35.6	102.0	115.4	216.1	12.7	2.5	41.6
32	Stone, clay, and glass products -----	E1	46	12	1.1	14.1	0.9	1.7	9.7	30.7	29.0	59.2	1.7	1.6	27.1
33	Primary metal industries -----	-	66	36	3.6	55.6	2.9	5.8	41.9	102.3	192.0	295.9	5.2	3.3	75.5
331	Blast furnace and basic steel products -----	-	10	7	1.5	24.3	1.1	2.1	18.9	39.2	150.5	191.6	1.3	1.8	42.8
332	Iron and steel foundries ---	-	11	9	1.1	16.7	1.0	2.0	12.8	32.4	20.3	52.7	1.2	0.9	18.1
339	Miscellaneous primary metal products -----	-	27	12	0.5	8.2	0.4	0.9	5.5	16.3	5.7	21.8	2.0	(NA)	(NA)
34	Fabricated metal products ---	-	362	152	14.6	220.0	11.9	23.9	150.8	427.3	467.9	891.6	22.0	13.2	258.0
344	Fabricated structural metal products -----	E1	71	22	1.1	16.8	0.8	1.7	10.5	33.2	27.4	60.2	1.4	1.2	21.6
347	Metal services, n.e.c. -----	-	59	20	1.3	14.5	1.1	2.2	10.0	28.2	19.2	47.2	1.0	(NA)	(NA)
3471	Plating and polishing -----	-	39	14	0.9	11.0	0.8	1.6	7.6	21.8	14.8	36.5	0.7	(NA)	(NA)
35	Machinery, except electrical --	-	726	204	18.5	332.6	13.8	29.7	222.5	654.2	623.2	1 248.5	32.7	14.2	307.7
354	Metalworking machinery ---	-	403	126	10.9	205.6	8.1	18.3	140.0	407.8	242.7	619.2	20.5	9.3	213.1
3541	Machine tools, metal cutting types -----	-	37	11	2.3	52.7	1.4	3.3	31.8	135.2	91.6	203.0	(D)	(NA)	(NA)
3565	Industrial patterns -----	E1	28	7	0.6	9.8	0.6	0.9	7.6	16.1	7.3	22.7	0.7	(NA)	(NA)
36	Electric and electronic equipment -----	E1	56	20	1.4	18.1	1.0	2.2	11.6	37.1	32.4	68.4	1.3	0.8	16.1
362	Electrical industrial apparatus -----	-	17	8	0.5	9.1	0.4	0.9	5.9	18.9	14.8	33.2	(D)	(NA)	(NA)
37	Transportation equipment ---	-	80	33	28.0	611.4	23.0	50.4	469.7	1 177.3	2 516.2	3 676.4	132.9	25.3	630.3
371	Motor vehicles and equipment -----	-	53	26	24.0	533.5	20.6	45.7	429.5	1 034.2	2 222.5	3 259.2	131.8	22.1	540.9
3713	Truck and bus bodies ---	E1	8	5	0.5	6.0	0.4	0.7	4.1	12.7	10.2	22.3	(D)	(NA)	(NA)
39	Miscellaneous manufacturing industries -----	-	49	7	1.6	19.4	1.2	2.3	10.9	47.1	19.7	63.8	1.1	1.1	21.0
	Manistee County -----	-	44	16	2.7	35.7	2.1	3.9	25.4	82.7	94.0	172.8	11.8	2.5	42.2
	Marquette County -----	-	61	13	1.1	12.4	0.7	1.3	7.6	25.0	32.0	57.2	2.2	1.1	16.3
	Mason County -----	-	51	23	2.5	29.9	1.9	3.6	20.1	83.7	94.6	176.4	7.6	2.1	44.5
	Mecosta County -----	-	38	16	1.6	14.5	1.3	2.5	10.9	40.6	33.7	73.3	3.0	1.5	13.9
	Menominee County -----	-	83	29	3.0	29.5	2.4	4.6	21.3	58.9	68.8	127.0	3.3	2.4	29.2
25	Furniture and fixtures -----	-	4	3	0.7	6.0	0.6	1.1	4.1	8.3	8.5	16.7	(D)	0.8	8.0
25	Furniture and fixtures -----	-	7	2	0.8	10.2	0.5	1.0	6.2	8.4	10.8	18.6	(D)	(NA)	(NA)
	Montcalm County -----	-	60	22	4.3	51.9	3.5	6.9	37.5	135.2	156.7	289.9	5.6	4.3	79.6
20	Food and kindred products --	-	9	5	0.7	6.3	0.6	1.0	3.8	23.9	24.0	49.4	0.8	0.5	12.0
	Montmorency County -----	-	25	4	0.7	5.3	0.6	0.9	3.5	16.4	14.3	30.1	0.7	0.8	10.9

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies.
For explanation of terms, see appendix B]

For explanation of terms, see appendix B)															
SIC code	County and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Muskegon County -----	-	273	115	21.4	323.3	15.4	31.0	213.9	649.2	565.2	1 206.5	43.2	22.1	392.3
332	Iron and steel foundries ---	-	14	10	4.7	69.2	3.8	7.6	53.0	125.8	98.3	223.2	3.3	(NA)	(NA)
347	Metal services, n.e.c. -----	-	14	6	0.5	5.2	0.3	0.6	2.9	14.0	6.0	19.8	1.7	(NA)	(NA)
349	Miscellaneous fabricated metal products -----	-	8	5	0.7	9.1	0.6	1.2	7.1	18.2	13.4	31.6	1.1	(NA)	(NA)
35	Machinery, except electrical --	-	73	28	7.5	128.4	5.1	10.4	80.4	261.8	210.0	467.4	19.8	(NA)	(NA)
356	General industrial machinery -----	-	14	7	0.9	18.5	0.8	1.6	13.7	30.5	13.6	42.4	(D)	0.7	17.2
359	Miscellaneous machinery, except electrical -----	-	23	6	2.5	43.4	1.8	3.8	28.5	66.2	22.9	87.3	(D)	(NA)	(NA)
--	Administrative and auxiliary --	-	9	6	0.5	8.3	-	-	-	-	-	-	-	(NA)	(NA)
	Newaygo County -----	-	36	7	1.8	24.6	0.8	1.6	7.2	46.9	94.1	140.8	(D)	1.8	39.4
	Oakland County -----	-	2 285	750	104.1	1 921.4	70.2	149.2	1 159.7	3 633.4	6 244.6	9 832.3	505.1	90.6	2 070.0
20	Food and kindred products --	-	34	8	0.9	12.5	0.4	0.8	5.1	32.1	60.3	92.6	1.6	(NA)	(NA)
264	Miscellaneous converted paper products -----	-	10	5	0.6	7.9	0.5	1.0	6.1	17.1	27.5	44.5	0.6	0.7	12.5
27	Printing and publishing -----	E1	193	28	2.1	31.6	1.3	2.5	16.7	61.8	31.6	93.3	2.3	2.0	39.1
2711	Newspapers -----	-	16	4	0.5	9.2	0.3	0.5	4.1	18.0	4.7	22.7	0.3	(NA)	(NA)
275	Commercial printing -----	E2	113	14	0.9	11.9	0.7	1.2	8.3	19.6	13.7	33.2	1.2	0.8	14.5
2752	Commercial printing, lithographic -----	E1	43	8	0.5	7.4	0.4	0.7	5.3	10.8	8.2	19.0	0.4	(NA)	(NA)
28	Chemicals and allied products -----	-	54	17	1.8	27.9	1.1	2.2	15.1	82.7	136.7	213.3	7.7	1.2	43.2
289	Miscellaneous chemical products -----	-	18	6	0.5	6.4	0.2	0.4	2.3	25.8	30.2	55.9	0.7	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	E1	110	49	4.0	43.3	3.3	6.9	30.6	103.7	105.7	207.3	6.0	2.8	41.2
3079	Miscellaneous plastics products-----	E1	100	44	3.6	39.5	3.0	6.4	28.2	95.5	97.8	191.5	5.5	(NA)	(NA)
32	Stone, clay, and glass products -----	-	81	16	1.3	18.4	0.9	1.8	11.1	42.7	39.4	82.9	3.7	1.4	29.9
327	Concrete, gypsum, and plaster products -----	-	48	9	0.6	10.5	0.5	0.9	6.4	24.4	24.3	48.7	2.1	0.8	16.2
329	Miscellaneous nonmetallic mineral products -----	-	18	5	0.6	6.8	0.4	0.8	3.9	14.1	12.3	27.1	1.5	0.6	11.7
33	Primary metal industries -----	-	58	26	2.2	36.9	1.6	3.2	24.2	70.2	99.9	169.8	4.8	2.1	35.7
3317	Steel pipe and tubes -----	-	5	4	0.9	16.8	0.6	1.3	11.1	29.1	46.8	76.1	1.4	(NA)	(NA)
35	Machinery, except electrical --	-	805	249	20.7	358.9	14.7	31.1	223.9	725.9	435.3	1 141.6	(D)	17.0	344.9
3535	Conveyors and conveying equipment ---	-	12	7	1.1	20.2	0.5	1.1	8.3	47.3	59.4	119.2	(D)	(NA)	(NA)
354	Metaworking machinery ---	-	426	151	12.5	228.9	9.5	20.4	151.8	439.2	235.5	646.6	(D)	9.3	201.3
3541	Machine tools, metal cutting types -----	-	45	13	2.1	43.9	1.4	3.0	25.2	86.4	59.5	135.0	(D)	(NA)	(NA)
3569	General industrial machinery, n.e.c. -----	-	27	9	1.0	17.7	0.5	1.1	8.5	48.3	20.3	65.1	1.9	(NA)	(NA)
36	Electric and electronic equipment -----	E1	119	57	4.3	57.4	3.0	5.9	32.8	119.1	109.9	223.6	3.9	3.4	66.8
362	Electrical industrial apparatus -----	E1	35	24	1.9	27.9	1.3	2.7	16.2	52.8	37.0	88.4	(D)	1.3	28.0
3622	Industrial controls -----	E1	19	15	1.2	15.3	0.7	1.5	7.6	31.1	19.9	50.6	(D)	(NA)	(NA)
366	Communication equipment -----	E1	16	7	0.5	6.9	0.3	0.6	3.2	15.2	8.9	22.1	(D)	(NA)	(NA)
3662	Radio and TV communication equipment -----	E1	16	7	0.5	6.9	0.3	0.6	3.2	15.2	8.9	22.1	(D)	(NA)	(NA)
369	Miscellaneous electrical equipment and supplies --	E1	16	6	0.5	5.1	0.4	0.8	3.5	8.9	10.6	19.3	(D)	(NA)	(NA)
3714	Motor vehicle parts and accessories -----	E1	48	17	1.3	17.5	1.0	1.9	12.4	39.3	34.4	73.3	1.5	(NA)	(NA)
38	Instruments and related products -----	E1	55	17	1.0	15.7	0.6	1.2	8.1	33.5	20.3	53.0	1.0	1.0	18.9
382	Measuring and controlling devices -----	E1	31	10	0.7	11.7	0.4	0.9	5.9	24.1	12.5	35.9	0.6	0.8	15.3
39	Miscellaneous manufacturing industries -----	E1	74	10	1.5	17.1	1.2	2.2	9.9	39.6	28.7	68.3	2.1	(NA)	(NA)
399	Miscellaneous manufactures -----	E3	42	5	0.7	7.8	0.6	1.0	4.6	17.2	13.5	30.6	(D)	(NA)	(NA)
--	Administrative and auxiliary --	-	112	54	11.0	246.7	-	-	-	-	-	-	-	(NA)	(NA)
	Oceana County -----	-	31	11	0.8	6.2	0.7	1.2	4.4	16.8	21.4	38.0	0.9	0.7	9.2
	Ogemaw County -----	-	38	10	0.8	9.4	0.7	1.3	6.7	26.9	97.7	123.4	2.7	0.6	19.7
	Osceola County -----	-	35	9	1.8	21.1	1.4	2.7	15.0	46.6	54.4	98.0	1.6	1.9	30.5
	Otsego County -----	-	40	5	0.7	9.7	0.6	1.2	7.3	18.7	23.1	41.4	(D)	0.9	19.4

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977											1972		
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Ottawa County -----	-	368	143	20.1	251.3	14.9	28.9	157.8	586.8	560.7	1 135.7	44.6	16.9	315.6
20	Food and kindred products --	-	26	9	1.4	14.2	1.2	2.0	10.4	39.1	90.1	127.7	5.1	1.3	36.2
201	Meat products-----	E1	8	2	0.5	5.8	0.5	0.9	4.0	13.5	40.8	53.1	1.0	(NA)	(NA)
251	Household furniture -----	-	12	5	0.6	6.2	0.6	1.0	4.5	10.5	5.3	15.8	(D)	0.9	9.9
30	Rubber and miscellaneous plastics products -----	-	16	9	1.1	11.6	0.8	1.5	6.5	25.4	22.8	47.4	1.4	0.7	10.4
33	Primary metal industries -----	-	10	7	0.7	9.8	0.6	1.2	7.5	20.9	21.1	41.4	1.2	0.6	14.2
34	Fabricated metal products ---	-	52	25	2.8	37.1	2.2	4.3	26.0	71.9	78.0	148.6	5.0	2.6	42.8
344	Fabricated structural metal products -----	-	9	4	1.1	15.8	0.9	1.7	11.4	31.9	30.3	61.1	(D)	0.6	8.5
346	Metal forgings and stampings -----	-	14	7	0.9	12.9	0.7	1.4	8.5	23.8	36.0	59.5	1.3	0.7	10.1
35	Machinery, except electrical --	E2	79	22	2.9	39.8	1.9	3.7	21.9	80.9	60.3	137.3	5.4	2.4	44.6
354	Metalworking machinery ---	-	36	7	1.2	16.4	0.7	1.4	9.1	27.8	12.8	38.8	1.6	1.1	17.2
36	Electric and electronic equipment-----	-	17	9	1.2	14.9	0.9	1.9	9.6	24.6	19.5	45.4	0.4	1.7	22.3
38	Instruments and related products -----	-	11	6	0.8	9.4	0.6	1.2	5.7	24.2	20.3	43.4	(D)	(NA)	(NA)
	Saginaw County (Coextensive with Saginaw, Mich., SMSA; see table 6.)														
	St. Clair County-----	-	214	71	9.1	123.0	6.5	13.0	79.0	255.7	375.5	639.3	17.7	10.3	174.2
26	Paper and allied products ---	-	4	4	1.0	15.7	0.7	1.5	10.8	36.1	82.2	119.0	(D)	(NA)	(NA)
28	Chemicals and allied products -----	-	7	3	0.7	9.8	0.5	1.1	6.7	23.6	20.1	43.8	(D)	0.6	13.3
30	Rubber and miscellaneous plastics products -----	-	20	9	0.7	8.5	0.6	1.1	5.3	18.2	19.5	37.7	0.7	0.9	14.7
34	Fabricated metal products ---	-	39	16	2.1	28.3	1.7	3.5	21.1	58.5	59.5	123.6	1.6	2.1	36.3
346	Metal forgings and stampings -----	-	10	6	0.6	7.8	0.5	1.1	6.0	16.6	17.0	33.2	0.6	0.6	6.1
3465	Automotive stampings ---	-	10	6	0.6	7.8	0.5	1.1	6.0	16.6	17.0	33.2	0.6	(NA)	(NA)
35	Machinery, except electrical --	E1	46	10	0.8	13.0	0.6	1.1	7.3	19.4	29.7	52.1	0.7	1.0	19.4
37	Transportation equipment ---	-	14	7	0.7	7.3	0.5	1.0	4.9	17.1	19.7	36.6	0.8	0.7	10.0
	St. Joseph County -----	-	175	83	9.1	111.3	7.0	13.8	76.8	293.6	318.9	509.0	15.6	8.9	200.8
26	Paper and allied products ---	-	10	7	0.8	10.5	0.6	1.3	8.3	22.9	48.6	71.2	1.7	1.5	37.3
30	Rubber and miscellaneous plastics products -----	-	16	10	1.1	11.9	0.9	1.7	8.4	21.2	18.3	39.4	1.0	0.8	12.8
3079	Miscellaneous plastics products-----	-	16	10	1.1	11.9	0.9	1.7	8.4	21.2	18.3	39.4	1.0	(NA)	(NA)
33	Primary metal industries -----	-	8	5	0.5	6.4	0.4	0.9	4.9	7.3	32.3	40.4	1.6	(NA)	(NA)
34	Fabricated metal products ---	E1	32	12	1.3	15.8	0.9	1.8	9.6	35.9	32.8	66.7	2.0	0.8	16.1
349	Miscellaneous fabricated metal products -----	-	9	6	0.6	9.3	0.4	0.7	5.0	21.8	13.0	34.3	1.0	(NA)	(NA)
35	Machinery, except electrical --	-	26	11	1.0	14.3	0.8	1.6	10.0	28.4	12.6	40.3	3.2	0.8	12.6
354	Metalworking machinery ---	-	15	9	0.7	10.6	0.5	1.1	7.6	20.8	9.4	29.9	(D)	0.6	9.2
	Sanilac County -----	-	86	31	3.6	38.4	2.9	5.8	26.5	70.0	93.8	161.9	5.1	3.6	50.4
30	Rubber and miscellaneous plastics products -----	-	8	6	1.1	11.6	0.9	2.0	8.3	17.9	22.9	40.5	1.7	(NA)	(NA)
34	Fabricated metal products ---	E1	16	6	0.6	7.3	0.5	0.9	4.4	15.6	17.8	33.3	0.8	0.5	9.2
	Shiawassee County-----	-	92	37	5.4	64.3	3.8	7.4	41.0	115.2	112.3	225.5	9.0	5.4	74.2
32	Stone, clay, and glass products -----	-	11	3	0.5	6.4	0.3	0.7	4.0	14.1	9.4	23.7	4.7	(NA)	(NA)
	Tuscola County -----	-	75	28	3.0	35.9	2.4	4.6	25.6	90.7	76.7	166.1	6.1	2.8	46.9
35	Machinery, except electrical --	-	10	4	0.7	8.4	0.5	1.0	5.2	23.0	15.4	35.8	0.5	0.6	8.2
	Van Buren County-----	-	122	44	4.6	52.5	3.7	7.2	38.7	123.0	128.4	249.0	(D)	5.0	83.0
20	Food and kindred products --	-	22	11	0.9	8.6	0.7	1.4	5.7	29.5	46.9	76.0	1.1	1.2	25.7
33	Primary metal industries -----	-	7	5	1.2	17.4	1.0	2.1	14.7	42.1	34.4	75.8	(D)	(NA)	(NA)
	Washtenaw County (Coextensive with Ann Arbor, Mich., SMSA; see table 6.)														

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

(Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B)

For explanation of terms, see appendix B)															
SIC code	County and industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Wayne County -----	-	3 480	1 234	334.5	6 686.6	217.7	445.9	3 833.6	10 929.1	18 748.5	29 426.4	880.6	352.4	7 692.5
20	Food and kindred products --	-	210	98	14.6	240.1	9.1	19.1	135.2	593.0	1 381.7	1 970.0	38.7	16.7	422.6
201	Meat products -----	-	51	25	3.0	45.4	2.4	5.0	32.8	78.7	580.2	655.0	4.6	3.5	61.2
2013	Sausages and other prepared meats -----	-	26	13	1.6	25.4	1.2	2.3	17.1	35.9	209.1	241.1	(D)	(NA)	(NA)
2051	Bread, cake, and related products -----	-	41	18	3.2	51.8	1.9	4.0	29.8	110.5	78.8	189.1	4.1	(NA)	(NA)
207	Fats and oils -----	-	10	6	0.6	10.1	0.4	0.7	5.7	28.5	48.6	76.9	3.1	0.5	13.7
208	Beverages -----	-	27	14	4.2	81.2	2.3	4.8	40.3	236.8	354.5	590.3	22.1	4.3	165.1
2086	Bottled and canned soft drinks -----	-	16	8	2.1	34.7	0.8	1.6	11.3	72.4	128.1	200.0	(D)	(NA)	(NA)
23	Apparel and other textile products -----	-	75	22	7.5	120.2	6.5	12.7	100.4	254.4	255.5	507.8	6.7	7.4	135.0
25	Furniture and fixtures -----	E1	64	15	1.0	13.7	0.7	1.5	9.0	23.9	23.4	46.5	0.7	(NA)	(NA)
26	Paper and allied products ---	-	61	28	2.4	34.3	1.8	3.7	22.2	68.6	112.4	180.3	5.0	3.3	54.1
265	Paperboard containers and boxes -----	-	30	15	1.0	14.3	0.8	1.5	8.7	24.5	45.1	69.5	1.2	1.3	19.0
2653	Corrugated and solid fiber boxes -----	E1	20	9	0.8	10.8	0.5	1.1	6.4	18.4	34.6	52.9	(D)	(NA)	(NA)
27	Printing and publishing -----	-	425	85	12.7	198.3	6.9	12.9	101.5	377.2	224.4	597.9	29.3	13.8	291.3
2711	Newspapers -----	-	40	8	5.5	88.4	2.1	3.7	34.3	171.0	96.5	267.5	(D)	(NA)	(NA)
275	Commercial printing -----	E1	267	41	4.2	67.9	3.0	5.9	44.2	128.9	98.5	224.2	8.6	4.8	94.6
2751	Commercial printing, letterpress -----	E4	141	10	0.8	9.5	0.6	1.1	6.4	17.2	11.7	28.7	1.5	(NA)	(NA)
2752	Commercial printing, lithographic -----	-	116	29	3.3	57.4	2.3	4.6	37.1	109.8	85.8	192.5	7.1	(NA)	(NA)
279	Printing trade services -----	E2	47	12	0.9	16.6	0.7	1.2	11.1	26.8	5.1	31.8	(D)	1.1	20.6
2791	Typesetting -----	E3	31	6	0.6	10.5	0.5	0.8	7.5	17.7	2.6	20.2	1.1	(NA)	(NA)
283	Drugs -----	-	12	4	2.8	48.1	1.6	3.1	24.3	136.6	91.3	227.7	(D)	3.5	120.3
284	Soaps, cleaners, and toilet goods -----	-	46	14	1.0	14.9	0.6	1.0	6.7	77.5	64.0	141.4	1.7	1.0	36.6
2851	Paints and allied products -----	-	31	19	1.9	30.5	1.0	2.2	14.8	91.9	121.5	217.0	(D)	(NA)	(NA)
289	Miscellaneous chemical products -----	-	37	10	0.7	10.8	0.4	0.8	5.1	32.4	55.4	86.8	3.2	1.1	35.1
30	Rubber and miscellaneous plastics products -----	-	79	34	5.7	89.8	3.8	7.6	53.5	135.2	144.3	271.9	9.8	6.7	108.8
3231	Products of purchased glass -----	-	12	6	2.2	33.7	1.7	3.2	24.4	69.1	81.6	149.7	6.6	(NA)	(NA)
327	Concrete, gypsum, and plaster products -----	-	51	18	1.1	16.8	0.8	1.6	11.2	46.1	55.6	101.3	2.6	1.4	38.7
3272	Concrete products, n.e.c. -----	-	24	8	0.5	6.9	0.4	0.7	4.7	17.2	10.5	27.2	0.7	(NA)	(NA)
329	Miscellaneous nonmetallic mineral products -----	-	35	14	1.4	20.7	1.0	1.9	12.2	48.1	52.7	100.6	1.7	1.3	26.1
3293	Gaskets, packing, and sealing devices -----	-	8	4	0.6	8.7	0.4	0.7	5.2	15.3	15.2	31.5	(D)	(NA)	(NA)
3312	Blast furnaces and steel mills -----	-	11	7	19.9	461.4	15.9	32.0	358.3	951.1	1 474.9	2 407.1	121.0	(NA)	(NA)
3316	Cold finishing of steel shapes -----	-	13	7	1.5	29.3	1.2	2.5	22.3	18.1	297.6	318.8	3.6	(NA)	(NA)
3351	Copper rolling and drawing -----	-	3	3	0.6	9.5	0.5	1.0	7.3	4.9	52.2	57.9	0.4	(NA)	(NA)
34	Fabricated metal products ---	-	637	289	45.3	795.7	37.4	75.8	607.3	1 514.7	1 595.8	3 097.3	96.4	48.8	1 067.6
345	Screw machine products, bolts, etc. -----	-	103	45	3.9	62.1	3.0	6.4	43.2	127.8	134.0	259.5	7.4	4.5	104.4
3451	Screw machine products -----	E1	69	27	1.7	23.9	1.4	3.1	17.2	48.4	53.4	100.9	3.1	(NA)	(NA)
3452	Bolts, nuts, rivets, and washers -----	-	34	18	2.2	38.2	1.6	3.3	26.0	79.4	80.5	158.6	4.3	(NA)	(NA)
346	Metal forgings and stampings -----	-	134	91	25.6	481.4	21.9	44.6	386.4	861.1	934.2	1 802.4	62.9	26.8	594.1
3462	Iron and steel forgings ---	-	15	14	2.4	49.2	2.0	4.4	39.1	97.1	89.5	187.8	8.8	(NA)	(NA)
3465	Automotive stampings -----	-	77	59	21.8	414.4	18.8	38.1	335.0	725.5	812.2	1 543.5	51.9	(NA)	(NA)
3469	Metal stampings, n.e.c. ---	E1	42	18	1.3	17.8	1.0	2.0	12.3	38.5	32.6	71.0	2.2	(NA)	(NA)
349	Miscellaneous fabricated metal products -----	-	97	41	4.2	59.7	3.3	6.4	41.2	115.2	113.0	226.6	3.9	3.8	74.2
35	Machinery, except electrical --	-	903	267	36.8	693.4	26.8	55.0	454.1	1 445.9	1 376.3	2 739.9	96.5	39.8	1 047.0
354	Metalworking machinery ---	-	443	147	13.8	279.8	10.8	24.2	198.2	472.5	235.8	697.1	(D)	14.9	340.5
3567	Industrial furnaces and ovens -----	-	11	5	0.6	9.9	0.3	0.7	4.8	26.8	13.6	33.6	0.3	(NA)	(NA)
3568	Power transmission equipment, n.e.c. -----	-	6	5	0.5	8.8	0.4	0.7	6.0	14.2	8.8	22.1	(D)	(NA)	(NA)
3599	Machinery, except electrical, n.e.c. -----	E2	249	41	2.7	37.9	2.0	4.1	25.8	73.4	32.9	104.6	6.5	(NA)	(NA)
36	Electric and electronic equipment -----	E1	89	27	2.1	31.1	1.4	2.9	18.5	58.7	44.8	100.8	2.5	2.6	51.0
362	Electrical industrial apparatus -----	E1	27	9	0.9	15.7	0.6	1.3	9.7	27.9	19.0	45.2	0.8	1.0	21.8
3622	Industrial controls -----	E1	14	4	0.6	10.0	0.4	0.8	6.0	17.2	8.4	25.3	0.5	(NA)	(NA)
3711	Motor vehicles and car bodies -----	-	11	8	42.8	831.5	36.6	73.1	676.2	2 206.3	6 989.6	9 110.0	(D)	(NA)	(NA)
38	Instruments and related products -----	-	58	17	1.8	26.4	1.1	2.2	13.2	56.1	41.5	95.9	1.8	1.5	30.8

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977											1972		
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Wayne County—Con.														
39	Miscellaneous manufacturing industries -----	E1	106	23	1.5	21.3	1.1	2.1	11.5	37.3	33.8	70.1	1.0	1.7	27.6
399	Miscellaneous manufactures -----	E1	76	13	1.0	15.3	0.7	1.4	7.7	24.9	22.7	46.8	0.8	1.2	19.8
--	Administrative and auxiliary --	-	104	63	55.9	1 464.2	-	-	-	-	-	-	-	(NA)	(NA)
	Wexford County -----	-	74	22	2.7	29.0	2.1	4.1	18.6	60.4	68.7	128.6	3.0	2.6	44.8

Note: "County" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
34	Adrian -----	-	54	24	3.8	51.4	3.0	5.7	38.1	107.2	155.6	262.2	4.5	5.0	99.1
	Fabricated metal products ---	-	6	4	1.1	16.5	1.0	2.1	13.7	35.9	39.7	76.4	1.2	1.0	20.9
	Albion -----	-	20	9	2.7	37.7	1.9	3.5	23.3	71.5	71.7	144.4	7.3	3.6	77.8
	Allegan -----	-	16	11	1.8	22.7	1.5	2.8	17.1	59.0	44.2	102.2	4.3	(D)	(D)
	Alpena -----	-	37	11	2.9	43.2	2.2	4.5	31.6	93.2	70.5	169.7	4.5	(D)	(D)
	Ann Arbor -----	-	121	29	5.8	98.0	2.7	5.2	36.2	134.6	112.5	240.2	(D)	(D)	(D)
--	Administrative and auxiliary --	-	8	7	0.9	22.3	-	-	-	-	-	-	-	(NA)	(NA)
	Battle Creek -----	-	84	38	10.2	189.9	7.5	15.1	131.7	612.6	426.9	1 037.9	25.8	10.2	376.8
20	Food and kindred products --	-	13	8	5.9	116.5	5.0	10.1	95.6	497.6	303.8	800.4	(D)	5.9	307.7
34	Fabricated metal products ---	-	12	7	0.5	6.8	0.4	0.8	4.7	11.9	13.9	25.5	(D)	0.6	10.4
35	Machinery, except electrical --	-	9	6	0.7	10.6	0.4	0.8	5.4	23.1	13.6	36.3	(D)	0.6	11.8
	Belding -----	-	19	9	1.6	19.8	1.3	2.5	13.8	55.1	122.4	170.2	2.6	1.5	16.6
	Benton Harbor -----	-	57	24	4.0	52.6	3.1	6.1	36.4	96.0	121.4	224.4	6.0	(D)	(D)
33	Primary metal industries -----	-	7	6	1.6	23.7	1.3	2.7	17.8	37.4	68.0	111.6	0.8	(NA)	(NA)
	Berkley -----	-	32	8	0.5	7.4	0.3	0.7	4.7	10.7	6.6	17.3	(D)	(NA)	(NA)
	Big Rapids -----	-	25	14	1.5	13.2	1.2	2.3	9.9	37.7	28.8	65.5	2.4	1.3	10.8
	Birmingham -----	-	45	13	1.1	17.0	0.6	1.1	6.3	28.1	24.3	52.1	(D)	1.7	28.8
	Brighton -----	-	30	14	0.8	11.5	0.6	1.3	7.2	26.4	31.6	57.7	2.0	(NA)	(NA)
	Burton -----	-	29	9	0.5	8.2	0.4	0.9	5.8	15.8	14.7	30.1	0.8	(NA)	(NA)
	Cadillac -----	-	43	20	2.3	25.1	1.8	3.4	15.7	52.5	64.7	116.8	2.6	(D)	(D)
	Caro -----	-	18	7	0.5	6.0	0.4	0.8	3.9	21.4	18.2	38.9	(D)	(NA)	(NA)

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

Explanation of terms, see appendix B]															
SIC code	City and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
34	Center Line -----	-	31	13	1.7	29.8	0.9	1.8	10.8	28.9	36.2	63.4	2.6	2.7	43.4
	Fabricated metal products ---	-	10	6	0.8	10.6	0.6	1.3	7.2	18.8	32.3	50.1	(D)	(NA)	(NA)
	Charlevoix -----	-	21	9	0.7	8.9	0.6	1.1	6.7	30.1	21.1	50.6	2.0	(D)	(D)
	Charlotte -----	-	27	8	2.3	30.7	2.0	3.7	23.2	66.9	62.4	129.3	2.4	1.8	33.6
	Chelsea -----	-	18	12	1.5	24.2	1.1	2.4	17.3	68.2	54.2	122.9	(D)	1.5	30.1
	Chesaning -----	-	11	6	0.7	8.5	0.5	0.9	5.7	25.8	48.3	74.0	1.1	0.6	6.7
	Clare -----	-	18	8	0.6	5.8	0.5	0.9	4.0	14.2	20.5	34.9	0.2	(NA)	(NA)
	Clawson -----	-	48	15	1.2	19.4	0.8	1.7	11.4	36.4	21.6	57.5	(D)	0.8	17.7
	Coldwater -----	-	43	21	2.7	30.3	2.1	4.2	22.2	60.2	78.1	137.3	4.3	2.2	36.2
33	Primary metal industries -----	-	4	3	0.7	9.8	0.6	1.2	7.5	16.3	30.5	47.5	(D)	(NA)	(NA)
34	Fabricated metal products ---	-	8	5	0.8	8.2	0.6	1.2	6.0	16.3	22.0	38.0	(D)	(NA)	(NA)
	Corunna -----	-	7	4	0.5	5.1	0.3	0.6	2.8	11.9	8.7	20.6	(D)	0.5	8.6
	Dearborn Heights -----	-	54	11	1.0	15.2	0.6	1.2	7.2	39.3	39.0	78.0	3.0	0.9	18.3
	Detroit -----	-	1 954	674	153.3	2 881.9	107.5	223.8	1 864.5	5 490.0	9 685.2	15 003.0	372.8	180.4	4 048.7
20	Food and kindred products --	-	146	68	10.0	170.4	5.9	12.6	90.3	363.8	1 041.3	1 400.0	30.4	11.9	266.0
201	Meat products -----	-	40	19	2.1	31.9	1.7	3.8	24.2	59.2	488.6	543.9	(D)	(NA)	(NA)
2011	Meat packing plants -----	-	21	11	1.3	19.0	1.1	2.5	15.1	39.7	364.5	404.2	(D)	(NA)	(NA)
202	Dairy products -----	E2	13	9	1.2	21.0	0.5	1.1	7.8	46.2	148.2	194.9	2.1	(NA)	(NA)
2026	Fluid milk -----	E2	6	5	1.0	16.1	0.4	0.9	6.0	35.0	127.9	163.5	(D)	(NA)	(NA)
205	Bakery products -----	-	29	11	1.8	31.2	0.8	1.9	14.1	74.2	42.1	116.3	2.5	(NA)	(NA)
207	Fats and oils -----	-	7	5	0.5	8.7	0.3	0.6	4.8	22.5	42.6	64.5	(D)	(NA)	(NA)
208	Beverages -----	-	20	10	3.2	65.1	1.8	3.9	33.7	135.1	268.3	402.5	(D)	(NA)	(NA)
209	Miscellaneous foods and kindred products -----	E1	18	9	0.6	7.0	0.3	0.6	2.6	13.2	30.4	43.5	1.0	(NA)	(NA)
239	Miscellaneous fabricated textile products -----	E1	37	6	0.5	4.7	0.4	0.8	3.1	10.5	11.5	21.9	0.3	(NA)	(NA)
25	Furniture and fixtures -----	E1	47	12	0.7	10.9	0.6	1.1	7.4	17.3	17.3	33.5	0.6	1.0	14.9
26	Paper and allied products ---	E1	42	16	1.6	23.8	1.2	2.5	16.0	49.8	81.4	130.5	4.5	2.2	37.2
264	Miscellaneous converted paper products -----	E1	23	8	0.8	9.9	0.6	1.1	6.7	23.2	37.3	59.9	3.2	(NA)	(NA)
2752	Commercial printing, lithographic -----	-	82	22	2.8	50.4	2.0	4.0	32.8	94.4	65.2	156.7	5.5	(NA)	(NA)
28	Chemicals and allied products -----	-	90	31	5.2	86.2	3.0	5.8	42.8	257.0	236.7	490.6	10.1	6.6	190.6
284	Soaps, cleaners, and toilet goods -----	E2	32	8	0.5	6.1	0.3	0.5	3.3	27.2	27.8	54.9	0.8	(NA)	(NA)
2851	Paints and allied products -----	-	15	11	1.3	22.7	0.7	1.6	11.2	70.3	82.4	150.4	1.4	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	-	36	13	3.6	63.9	2.2	4.4	35.4	82.0	92.6	167.1	(D)	5.6	94.1
32	Stone, clay, and glass products -----	-	55	20	4.3	67.3	3.3	6.3	48.2	128.7	131.5	258.2	9.0	5.0	115.7
329	Miscellaneous nonmetallic mineral products -----	-	18	5	0.6	7.6	0.4	0.7	3.9	14.4	22.4	35.9	0.4	(NA)	(NA)
33	Primary metal industries -----	-	106	58	8.4	145.6	6.6	13.7	106.0	237.2	439.2	663.9	35.4	10.1	214.6
331	Blast furnace and basic steel products -----	-	15	8	1.8	31.7	1.3	2.7	22.8	46.0	195.2	233.1	(D)	(NA)	(NA)
3351	Copper rolling and drawing -----	-	3	3	0.6	9.5	0.5	1.0	7.3	4.9	52.2	57.9	0.4	(NA)	(NA)
339	Miscellaneous primary metal products -----	E1	48	23	1.5	22.2	1.2	2.7	14.8	43.2	21.0	63.6	2.9	(NA)	(NA)
3444	Sheet metal work -----	E3	19	6	0.7	11.6	0.5	1.1	8.0	22.8	38.4	60.3	0.5	(NA)	(NA)
3452	Bolts, nuts, rivets, and washers -----	-	13	5	0.8	15.4	0.5	1.1	9.6	26.5	29.1	54.9	0.7	(NA)	(NA)
3462	Iron and steel forgings ---	-	10	9	2.1	39.9	1.7	3.7	32.6	74.9	70.8	146.2	7.7	(NA)	(NA)
3465	Automotive stampings ---	-	40	29	11.2	193.9	9.7	18.7	155.9	329.5	340.8	676.3	10.6	(NA)	(NA)
3471	Plating and polishing -----	-	62	18	1.0	12.2	0.8	1.6	8.0	24.7	9.9	34.5	1.2	(NA)	(NA)
3495	Wire springs -----	-	5	5	0.6	8.8	0.4	0.9	5.5	16.7	23.8	40.7	(D)	(NA)	(NA)
35	Machinery, except electrical --	-	418	126	22.3	448.2	15.8	33.4	288.9	1 010.8	1 065.2	2 007.3	66.2	24.2	698.1
354	Metallworking machinery ---	-	198	68	8.1	166.1	6.1	13.8	113.0	288.5	159.1	441.8	10.1	(NA)	(NA)
3541	Machine tools, metal cutting types -----	-	27	10	1.3	25.1	1.0	1.8	14.8	35.4	25.7	58.5	2.4	(NA)	(NA)
356	General industrial machinery -----	E1	58	21	1.4	22.9	1.0	2.0	14.9	43.3	19.7	62.6	1.3	(NA)	(NA)
359	Miscellaneous machinery, except electrical -----	E2	108	14	1.2	17.2	0.9	1.8	11.6	30.4	12.9	43.2	1.9	(NA)	(NA)
36	Electric and electronic equipment -----	E1	43	18	1.3	19.7	0.8	1.7	10.6	36.2	30.3	64.4	1.6	2.0	40.8
362	Electrical industrial apparatus -----	-	11	7	0.5	9.5	0.3	0.6	4.6	17.5	12.8	28.9	0.5	(NA)	(NA)
3714	Motor vehicle parts and accessories -----	-	49	18	22.0	459.7	19.1	42.2	377.6	799.1	1 425.5	2 217.2	(D)	(NA)	(NA)
38	Instruments and related products -----	-	28	8	0.7	10.5	0.5	0.9	5.6	19.8	21.2	40.5	0.5	0.6	12.1
39	Miscellaneous manufacturing industries -----	E1	67	18	1.1	14.8	0.8	1.5	7.8	26.8	25.8	52.1	0.7	1.3	21.8
399	Miscellaneous manufactures -----	E1	45	9	0.7	9.4	0.5	0.9	4.5	15.8	16.0	31.2	0.5	(NA)	(NA)
--	Administrative and auxiliary --	-	60	29	10.7	240.3	-	-	-	-	-	-	-	(NA)	(NA)

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
354	Dowaglac-----	-	35	14	2.0	23.5	1.5	3.0	16.4	43.0	53.4	96.6	2.1	1.8	27.0
	Durand-----	-	12	4	0.6	8.0	0.5	0.9	5.1	17.5	12.5	29.8	(D)	0.6	9.0
	East Detroit-----	-	48	12	1.9	18.1	1.4	2.8	11.5	24.1	19.5	43.1	1.4	1.0	16.4
	Farmington-----	-	53	13	0.8	12.5	0.6	1.3	7.8	22.2	18.8	39.3	(D)	1.3	22.7
	Fenton-----	-	32	10	0.9	12.2	0.6	1.3	8.3	22.8	24.9	44.7	2.6	(NA)	(NA)
	Ferndale-----	-	135	63	4.4	74.8	2.9	6.2	43.4	146.3	175.1	320.7	5.2	4.5	96.4
	Metalworking machinery---	-	23	14	1.1	19.4	0.8	1.7	12.4	37.6	12.4	48.9	(D)	(NA)	(NA)
	Frankenmuth-----	-	9	3	0.6	8.3	0.4	0.7	5.6	29.0	24.0	53.2	(D)	0.6	16.8
	Fraser-----	-	107	39	3.2	57.1	2.5	5.4	40.2	116.4	89.5	195.5	7.1	2.2	49.8
34	Fabricated metal products---	-	29	16	0.8	11.8	0.6	1.3	7.6	23.9	26.3	49.2	2.8	0.6	13.3
35	Machinery, except electrical--	-	48	13	1.7	36.4	1.3	3.1	26.4	73.1	40.9	104.9	2.2	1.2	27.7
354	Metalworking machinery---	-	32	8	1.4	32.0	1.1	2.6	23.5	63.2	31.7	85.5	1.9	(NA)	(NA)
34	Grand Haven-----	-	73	35	5.0	62.9	3.7	6.9	39.3	116.4	130.8	246.4	7.1	4.3	79.9
	Fabricated metal products---	-	13	11	0.8	10.5	0.6	1.2	7.1	22.0	26.1	48.1	1.9	0.7	11.7
	Machinery, except electrical--	-	19	5	1.8	24.7	1.1	2.1	13.1	46.9	33.3	79.1	2.4	1.4	23.1
	Grand Rapids-----	-	494	183	30.3	434.2	22.1	44.4	285.3	857.4	690.3	1 530.4	60.1	31.0	576.9
	Food and kindred products--	-	25	14	2.6	31.9	1.8	3.3	20.4	73.4	108.6	183.8	16.2	2.3	45.3
	Bakery products-----	-	9	6	1.6	20.3	1.2	2.1	13.1	54.1	49.8	104.1	(D)	(NA)	(NA)
	Furniture and fixtures-----	-	52	30	8.0	129.8	6.0	12.3	88.7	271.8	136.5	405.7	(D)	7.5	141.7
	Wood household furniture-----	-	15	10	1.5	14.8	1.2	2.3	10.5	24.4	12.6	36.4	1.0	(NA)	(NA)
	Printing and publishing-----	-	93	21	2.1	25.9	1.3	2.3	14.9	58.3	34.4	91.7	1.6	2.6	48.4
275	Commercial printing-----	-	59	9	0.8	10.0	0.6	1.1	6.6	18.8	18.8	37.5	0.9	(NA)	(NA)
30	Rubber and miscellaneous plastics products-----	-	15	9	1.0	12.0	0.8	1.6	8.4	26.8	29.9	56.5	2.3	0.9	16.3
33	Primary metal industries-----	-	22	10	0.7	10.6	0.6	1.2	7.9	23.1	17.6	40.3	1.2	2.0	35.7
336	Nonferrous foundries-----	-	7	6	0.5	7.9	0.5	0.9	6.0	17.6	13.6	30.6	0.6	(NA)	(NA)
34	Fabricated metal products---	-	71	33	8.8	125.5	6.7	13.8	88.4	226.8	205.3	422.8	12.8	6.6	131.7
342	Cutlery, hand tools, and hardware-----	-	8	5	3.9	58.8	2.6	5.3	37.1	102.4	76.2	171.1	(D)	(NA)	(NA)
346	Metal forgings and stampings-----	-	12	10	1.7	25.5	1.4	3.1	19.4	47.5	54.2	101.3	(D)	(NA)	(NA)
3465	Automotive stampings---	-	8	7	1.6	23.7	1.3	2.9	18.5	42.5	49.7	91.9	(D)	(NA)	(NA)
3471	Plating and polishing-----	-	23	7	1.2	14.6	1.0	2.1	11.8	34.4	35.8	69.9	1.0	(NA)	(NA)
349	Miscellaneous fabricated metal products-----	-	11	4	1.0	14.9	0.8	1.8	11.7	23.4	20.6	43.7	0.7	(NA)	(NA)
35	Machinery, except electrical--	-	80	21	3.1	49.7	2.1	4.4	29.5	87.3	57.7	139.7	5.1	3.3	67.5
354	Metalworking machinery---	-	27	6	0.7	11.9	0.6	1.2	9.5	21.0	7.5	26.8	(D)	(NA)	(NA)
356	General industrial machinery-----	-	13	5	0.6	9.2	0.4	0.9	5.8	17.2	8.7	25.1	(D)	(NA)	(NA)
36	Electric and electronic equipment-----	-	11	5	0.7	8.5	0.5	1.0	6.2	15.4	15.4	32.4	0.3	0.8	14.1
20	Grandville-----	-	28	13	1.8	23.7	1.5	2.9	17.1	48.3	54.5	101.0	5.3	1.7	27.6
	Greenville-----	-	17	13	3.3	40.1	2.7	5.4	29.8	109.6	113.9	221.3	4.3	3.0	57.0
	Hastings-----	-	14	6	2.1	31.7	1.3	2.7	19.7	69.0	56.8	124.6	2.0	2.2	41.1
	Hazel Park-----	-	111	19	1.4	20.6	1.1	2.2	13.5	35.3	20.2	55.4	(D)	1.5	23.1
	Highland Park-----	-	40	18	10.7	247.7	1.0	2.0	12.6	41.2	40.7	81.0	0.9	12.1	53.6
	Food and kindred products--	E4	6	4	0.6	8.0	0.4	0.8	4.9	10.8	22.9	33.7	(D)	0.7	8.7
	Hillsdale-----	-	33	15	2.1	27.5	1.7	3.5	21.9	85.3	119.5	202.6	4.0	2.1	43.7
	Holland-----	-	127	54	8.2	100.4	6.2	12.0	64.6	266.2	250.1	509.9	29.4	7.8	164.1
	Food and kindred products--	-	12	6	1.4	14.8	1.2	1.9	10.8	86.7	72.1	157.5	(D)	(NA)	(NA)
25	Furniture and fixtures-----	-	7	5	0.9	10.6	0.7	1.4	6.9	17.4	13.7	29.6	(D)	(NA)	(NA)
34	Fabricated metal products---	-	18	5	0.5	5.2	0.4	0.7	3.3	9.9	9.3	19.3	1.2	0.6	7.1
35	Machinery, except electrical--	E2	27	10	1.0	13.1	0.6	1.3	7.6	30.7	35.5	63.4	3.3	1.4	29.1
37	Transportation equipment---	-	6	4	0.8	10.3	0.7	1.2	7.3	19.6	26.9	47.3	2.0	(NA)	(NA)
20	Howell-----	-	26	12	0.9	11.4	0.6	1.3	7.3	33.6	35.8	68.7	4.6	1.0	15.9
	Hudson-----	-	20	9	0.6	8.3	0.5	1.0	5.1	15.7	18.5	34.0	1.9	0.5	7.6

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

Explanation of terms, see appendix B]

SIC code	City and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
346	Inkster -----	-	25	8	0.8	12.2	0.6	1.3	8.2	21.8	13.6	35.6	0.9	1.2	23.5
	Ithaca -----	-	13	5	0.7	5.4	0.6	1.1	4.2	17.4	16.6	34.2	0.1	0.7	12.4
	Jackson -----	-	152	58	10.0	150.2	7.7	14.8	104.6	333.8	347.0	677.6	(D)	10.2	245.4
	Metal forgings and stampings -----	-	7	4	0.6	9.6	0.4	0.9	6.7	24.6	39.1	63.2	(D)	(NA)	(NA)
35	Machinery, except electrical --	-	40	14	1.5	23.5	1.3	2.7	19.2	47.1	32.8	78.6	(D)	1.1	26.9
354	Metalworking machinery ---	-	16	8	0.6	7.3	0.5	1.0	5.9	17.7	15.0	32.0	(D)	(NA)	(NA)
26	Kalamazoo -----	-	193	72	16.5	276.7	11.2	23.4	177.0	537.8	717.1	1 243.8	32.4	15.7	299.2
	Paper and allied products ---	-	21	16	4.5	70.4	3.4	7.2	50.7	166.7	239.5	400.8	(D)	4.6	75.6
	Printing and publishing -----	-	41	10	1.1	14.3	0.7	1.1	6.8	29.4	17.5	46.6	0.7	0.9	17.2
	Commercial printing -----	-	26	5	0.5	6.7	0.4	0.7	4.2	10.6	6.8	17.5	(D)	(NA)	(NA)
35	Machinery, except electrical --	-	34	10	1.7	24.4	1.0	2.1	13.2	47.7	27.4	74.6	3.8	1.7	33.7
356	General industrial machinery -----	-	5	3	0.9	13.8	0.5	1.1	7.2	27.8	13.8	41.7	(D)	(NA)	(NA)
20	Kentwood -----	-	37	19	2.2	30.2	1.5	3.2	16.9	73.0	62.6	133.5	6.1	1.2	19.1
	Kingsford -----	-	17	11	1.4	16.7	1.0	2.0	10.8	33.7	25.3	57.8	1.3	0.9	13.0
	Lansing -----	-	161	51	27.9	598.9	22.6	50.9	467.6	1 020.0	3 316.5	4 327.5	352.7	30.9	769.5
	Food and kindred products --	-	14	5	0.5	8.1	0.3	0.4	3.8	18.4	38.9	56.6	0.9	(NA)	(NA)
27	Printing and publishing -----	-	52	6	0.8	10.6	0.5	0.9	6.3	23.6	10.6	33.9	0.7	(NA)	(NA)
34	Fabricated metal products ---	-	19	7	1.6	27.0	1.3	2.5	19.5	46.7	61.1	108.1	1.8	1.6	32.4
3462	Iron and steel forgings ---	-	5	5	1.3	25.2	1.0	2.0	18.4	43.4	57.7	101.4	1.7	(NA)	(NA)
35	Machinery, except electrical --	E1	29	16	1.7	26.8	1.3	2.8	18.7	50.5	25.1	73.9	2.8	(NA)	(NA)
20	Lapeer -----	-	15	7	0.6	7.2	0.5	1.0	5.1	16.4	19.8	35.8	0.7	0.6	10.4
	Lincoln Park -----	-	27	5	0.6	9.2	0.4	0.7	5.5	22.9	31.6	51.3	(D)	0.6	16.5
	Livonia -----	-	285	114	26.3	510.8	18.2	38.2	327.2	872.8	992.5	1 855.1	85.6	21.1	500.6
	Food and kindred products --	-	10	8	1.8	27.4	1.4	2.8	20.7	70.7	152.2	222.9	(D)	1.8	54.8
205	Bakery products -----	-	3	3	1.0	14.3	0.8	1.5	11.4	27.8	25.7	53.3	(D)	(NA)	(NA)
2051	Bread, cake, and related products -----	-	3	3	1.0	14.3	0.8	1.5	11.4	27.8	25.7	53.3	(D)	(NA)	(NA)
27	Printing and publishing -----	-	21	5	0.8	10.2	0.4	0.6	4.2	20.6	21.9	42.5	(D)	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	-	10	7	0.7	7.7	0.6	1.1	5.7	16.4	10.1	26.6	0.4	0.6	7.2
3079	Miscellaneous plastics products -----	-	6	5	0.5	6.3	0.5	0.9	4.7	13.7	8.6	22.5	(D)	(NA)	(NA)
35	Machinery, except electrical --	-	106	39	2.8	48.9	1.9	4.2	31.2	103.8	63.5	153.7	5.2	1.6	38.3
354	Metalworking machinery ---	E1	61	24	1.1	21.9	0.9	2.1	15.7	38.5	17.1	54.4	2.6	(NA)	(NA)
356	General industrial machinery -----	-	10	4	0.8	14.5	0.4	0.9	8.1	38.3	33.3	62.4	0.9	(NA)	(NA)
34	Lowell -----	-	15	6	0.8	9.9	0.6	1.3	6.7	22.4	26.1	48.8	1.1	(D)	(D)
	Fabricated metal products ---	-	5	3	0.6	7.4	0.4	0.9	4.8	17.3	14.9	32.5	1.0	(NA)	(NA)
	Ludington -----	-	34	18	2.1	25.4	1.5	2.8	15.8	74.0	76.2	148.4	6.8	1.8	40.3
	Madison Heights -----	-	237	85	7.0	120.0	4.6	9.7	66.5	246.7	193.7	430.6	11.5	5.1	105.4
354	Metalworking machinery ---	-	69	27	2.0	37.7	1.5	3.2	22.9	75.4	39.7	111.2	2.5	(NA)	(NA)
356	General industrial machinery -----	-	12	3	0.6	12.8	0.3	0.7	6.4	40.6	12.7	51.2	1.5	(NA)	(NA)
30	Manistee -----	-	19	10	1.7	22.7	1.4	2.5	16.0	49.9	59.8	106.0	(D)	1.5	23.9
	Marine City -----	-	26	9	0.7	7.3	0.6	1.1	5.2	15.6	16.7	32.3	(D)	0.5	8.1
	Marquette -----	-	23	6	0.5	5.8	0.3	0.5	2.9	13.0	13.7	27.1	0.7	0.7	10.2
	Marshall -----	-	28	14	2.0	28.5	1.5	2.9	19.5	73.4	66.6	139.9	4.3	2.1	39.4
3079	Marysville -----	-	25	11	1.5	21.9	1.1	2.2	12.9	46.8	70.8	118.6	5.1	1.6	31.0
	Mason -----	-	16	6	0.5	6.3	0.4	0.9	4.9	24.2	24.7	48.1	0.6	0.6	14.8
	Melvindale -----	-	41	18	1.1	15.8	0.9	1.7	10.5	31.3	33.3	64.9	1.2	1.0	20.9
	Menominee -----	-	34	19	2.3	24.0	1.8	3.4	17.1	49.9	44.4	93.8	2.0	1.8	22.0
3079	Milan -----	-	20	10	0.9	14.2	0.7	1.4	8.5	25.4	29.6	54.0	(D)	0.7	11.7
	Rubber and miscellaneous plastics products -----	-	4	3	0.5	8.2	0.4	0.8	5.1	14.1	13.3	26.5	(D)	(NA)	(NA)
	Miscellaneous plastics products -----	-	4	3	0.5	8.2	0.4	0.8	5.1	14.1	13.3	26.5	(D)	(NA)	(NA)

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Mount Clemens -----	-	93	33	3.9	69.9	2.8	5.7	43.3	171.5	160.7	329.8	14.8	3.9	80.6
32	Stone, clay, and glass products -----	-	5	3	0.6	6.8	0.5	1.0	5.0	13.6	11.5	24.7	0.6	(NA)	(NA)
37	Transportation equipment ---	E1	10	5	0.6	7.1	0.5	0.9	5.1	14.8	12.0	26.2	(D)	(NA)	(NA)
	Mount Pleasant -----	-	13	5	0.7	7.9	0.6	1.1	5.8	22.7	20.7	41.2	1.0	0.6	8.9
	Muskegon -----	-	113	53	8.8	124.5	6.2	12.4	81.6	261.2	221.4	478.8	13.9	9.8	158.4
25	Furniture and fixtures -----	-	4	3	1.2	14.2	1.0	2.0	11.9	34.1	19.6	52.4	(D)	(NA)	(NA)
34	Fabricated metal products ---	-	16	10	0.8	10.5	0.6	1.3	7.2	21.5	18.0	39.2	(D)	0.8	12.9
35	Machinery, except electrical --	-	24	9	1.6	24.7	1.1	2.2	17.5	66.8	34.4	98.8	(D)	2.3	23.3
--	Administrative and auxiliary --	-	8	5	0.5	7.8	-	-	-	-	-	-	-	(NA)	(NA)
	Muskegon Heights -----	-	42	18	4.2	68.6	2.9	6.2	45.6	93.2	69.6	162.4	11.6	3.8	54.8
35	Machinery, except electrical --	-	19	9	2.8	47.3	1.9	3.9	29.3	57.3	40.9	97.9	(D)	2.8	36.9
	Northville -----	-	16	7	0.6	9.5	0.4	0.9	6.2	18.0	16.7	34.6	1.4	0.5	15.7
	Novi -----	-	54	22	2.1	27.8	1.7	3.1	18.9	48.9	60.5	107.9	1.9	1.4	24.3
354	Oak Park -----	-	115	39	2.9	46.2	1.9	3.8	25.0	75.7	45.7	120.5	3.4	3.0	56.1
	Metalworking machinery ---	-	30	14	0.9	16.5	0.7	1.5	10.9	32.7	13.7	45.9	(D)	(NA)	(NA)
	Otsego -----	-	16	9	1.7	22.2	1.3	2.6	16.0	50.8	45.1	94.6	(D)	1.5	29.3
	Owosso -----	-	46	19	3.2	35.5	2.2	4.2	21.9	56.0	46.2	101.4	2.2	3.3	38.7
	Petoskey -----	-	29	10	1.0	11.9	0.9	1.8	8.8	23.6	24.3	47.9	2.6	0.8	12.0
	Plainwell -----	-	18	5	0.8	9.9	0.6	1.2	7.4	25.1	30.7	53.6	(D)	(D)	(D)
	Plymouth -----	-	38	12	1.1	16.0	0.9	1.8	11.4	34.9	31.4	65.7	0.9	1.9	32.7
34	Fabricated metal products ---	-	7	4	0.6	9.3	0.5	1.0	7.2	17.9	22.4	40.0	0.4	1.3	19.5
	Portage -----	-	63	20	6.1	112.0	3.2	6.1	51.1	289.0	212.1	499.6	(D)	5.1	226.9
	Port Huron -----	-	55	25	4.6	63.2	3.2	6.4	42.5	139.0	236.4	383.0	6.2	6.3	108.2
34	Fabricated metal products ---	-	6	4	1.2	17.1	1.0	2.2	13.6	37.7	41.0	85.3	1.0	1.7	29.9
	River Rouge -----	-	21	11	3.2	54.0	2.7	5.1	41.8	100.4	132.3	236.0	3.8	4.1	104.9
	Rochester -----	-	49	14	1.1	15.6	0.9	1.8	10.2	29.4	30.8	60.3	1.8	1.2	18.2
	Romulus -----	-	82	36	4.3	85.7	3.2	6.8	52.3	127.6	148.8	276.2	7.9	4.0	69.8
34	Fabricated metal products ---	-	20	13	0.9	13.0	0.7	1.3	9.2	27.5	30.0	56.9	2.0	0.6	15.1
35	Machinery, except electrical --	-	28	9	0.5	8.3	0.4	0.8	6.0	15.1	4.6	19.2	1.0	0.5	9.4
	Roseville -----	-	221	89	6.0	84.8	4.7	9.6	59.2	153.4	130.5	280.2	8.3	4.3	83.3
30	Rubber and miscellaneous plastics products -----	-	9	6	0.5	4.1	0.4	0.7	3.0	6.8	11.3	18.1	(D)	(NA)	(NA)
34	Fabricated metal products ---	E1	50	28	1.6	23.0	1.3	2.7	15.3	43.7	43.5	86.3	2.3	1.2	23.0
3465	Automotive stampings ---	-	12	10	0.6	9.2	0.5	1.0	6.3	15.8	21.2	36.5	1.1	(NA)	(NA)
35	Machinery, except electrical --	E2	91	33	2.2	38.2	1.8	3.9	27.5	64.2	36.5	98.9	3.4	1.8	32.3
354	Metalworking machinery ---	E2	50	18	1.4	24.6	1.1	2.5	18.3	40.1	23.4	62.6	1.7	(NA)	(NA)
359	Miscellaneous machinery, except electrical -----	E2	29	12	0.6	9.0	0.4	1.0	6.3	17.1	6.5	22.7	1.6	(NA)	(NA)
3599	Machinery, except electrical, n.e.c. -----	E2	29	12	0.6	9.0	0.4	1.0	6.3	17.1	6.5	22.7	1.6	(NA)	(NA)
37	Transportation equipment ---	-	13	4	0.5	5.5	0.4	0.6	3.9	11.4	11.8	22.6	0.3	(NA)	(NA)
	Royal Oak -----	-	134	31	2.9	41.7	2.2	4.2	26.4	92.0	58.6	149.6	9.9	2.6	47.7
354	Saginaw -----	-	96	43	20.0	436.5	16.1	35.7	341.5	691.6	1 019.0	1 705.1	49.1	20.6	445.1
	Metalworking machinery ---	-	10	6	0.6	11.5	0.4	0.9	8.1	20.9	15.8	34.7	0.5	(NA)	(NA)
	St. Clair -----	-	17	6	0.8	12.2	0.5	1.1	6.4	20.5	19.7	40.2	(D)	0.6	9.2
	St. Clair Shores -----	-	101	22	2.1	27.6	1.7	3.2	19.4	62.0	68.1	130.0	2.5	1.4	32.1
35	Machinery, except electrical --	-	35	8	0.7	9.4	0.5	1.0	6.4	18.5	10.9	29.1	1.2	(NA)	(NA)
	St. Joseph -----	-	38	18	6.4	88.6	4.6	9.0	54.6	217.3	215.3	424.6	6.0	7.7	172.4
354	Southfield -----	-	188	62	6.6	128.8	2.7	5.6	37.1	113.6	87.7	199.5	5.1	5.0	51.4
	Metalworking machinery ---	-	21	9	0.9	18.0	0.7	1.7	12.7	36.0	23.2	57.6	(D)	(NA)	(NA)
--	Administrative and auxiliary --	-	33	18	3.1	71.8	-	-	-	-	-	-	-	(NA)	(NA)
	South Haven -----	-	30	14	2.3	29.0	1.9	3.8	23.0	62.0	54.7	115.3	2.2	2.1	33.3

See footnotes at end of table.

Table 8. **Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.**

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Sparta -----	-	15	7	0.8	11.7	0.6	1.4	8.9	15.6	15.2	30.5	1.4	0.9	16.9
	Spring Lake -----	-	24	5	0.5	5.8	0.4	0.7	3.6	11.7	10.5	22.0	0.8	0.5	10.2
	Sterling Heights -----	-	112	45	14.8	335.1	11.5	25.2	243.0	617.6	788.3	1 410.7	98.4	6.3	119.1
34	Fabricated metal products ---	-	24	8	0.9	11.2	0.6	1.2	6.9	27.9	37.3	64.9	(D)	1.0	19.5
354	Metalworking machinery ---	E2	24	11	0.5	7.4	0.4	0.8	5.2	12.4	6.1	18.1	1.1	(NA)	(NA)
	Sturgis -----	-	57	26	3.6	48.6	2.7	5.4	32.6	165.9	123.5	288.5	6.1	3.6	95.3
	Taylor -----	-	78	24	2.0	28.1	1.2	2.2	13.9	45.5	40.3	85.2	2.9	1.7	28.1
34	Fabricated metal products ---	-	19	8	0.5	6.7	0.4	0.8	4.6	12.4	20.4	32.7	2.1	0.5	7.9
	Three Rivers -----	-	43	20	2.3	28.0	1.7	3.1	18.4	58.9	84.4	142.8	5.6	2.5	65.6
34	Fabricated metal products ---	-	10	4	0.6	8.7	0.4	0.7	4.8	20.8	12.8	33.2	1.0	0.5	11.2
349	Miscellaneous fabricated metal products -----	-	3	3	0.5	7.9	0.3	0.6	4.2	18.8	11.3	29.7	0.9	(NA)	(NA)
35	Machinery, except electrical --	-	10	5	0.6	6.7	0.4	0.8	4.2	15.2	5.4	19.9	(D)	(NA)	(NA)
	Traverse City -----	-	53	20	2.1	24.3	1.5	2.7	15.4	59.3	47.1	104.8	4.0	2.4	40.5
	Troy -----	-	380	157	15.0	259.5	7.7	15.9	98.2	331.6	314.3	630.4	(D)	10.2	127.7
345	Screw machine products, bolts, etc. -----	-	11	7	0.8	12.0	0.7	1.4	9.6	28.6	17.4	45.3	1.3	(NA)	(NA)
3451	Screw machine products -----	-	6	4	0.5	8.0	0.5	1.0	6.3	17.1	6.9	23.4	(D)	(NA)	(NA)
354	Metalworking machinery ---	-	75	32	2.1	42.3	1.6	3.7	27.6	83.4	61.2	132.6	4.5	(NA)	(NA)
362	Electrical industrial apparatus -----	-	11	9	0.5	6.4	0.3	0.7	3.6	13.5	9.1	21.8	(D)	(NA)	(NA)
-	Administrative and auxiliary --	-	31	14	4.7	104.5	-	-	-	-	-	-	-	(NA)	(NA)
	Vassar -----	-	8	6	0.9	12.7	0.7	1.4	9.7	28.0	20.3	48.4	(D)	0.9	18.2
	Walker -----	-	62	26	4.6	73.6	3.7	7.5	54.9	144.6	155.6	302.3	6.3	7.0	150.4
34	Fabricated metal products ---	-	13	5	0.5	5.9	0.4	0.7	4.0	13.4	14.8	28.0	1.0	0.5	7.2
35	Machinery, except electrical --	-	16	7	0.6	10.2	0.4	1.0	7.0	17.4	12.3	29.6	0.8	0.5	8.9
	Walled Lake -----	-	25	9	1.1	12.4	0.7	1.2	5.6	20.8	17.3	38.1	2.1	1.1	16.2
	Warren -----	-	713	253	58.1	1 195.8	30.1	63.1	493.6	1 381.6	2 582.7	3 921.0	76.1	59.4	973.5
20	Food and kindred products --	-	7	6	0.6	4.8	0.4	0.7	3.3	17.7	41.0	58.7	0.7	(NA)	(NA)
33	Primary metal industries -----	-	36	20	2.0	34.1	1.6	3.2	25.3	58.7	155.5	215.7	2.4	2.4	54.0
34	Fabricated metal products ---	-	158	65	8.6	139.9	7.2	14.5	97.9	259.2	272.2	530.5	10.7	8.0	159.4
3471	Plating and polishing -----	-	21	8	0.5	6.8	0.5	0.9	4.5	13.3	11.6	24.8	0.3	(NA)	(NA)
35	Machinery, except electrical --	-	340	98	8.9	161.9	6.2	13.8	100.9	342.1	210.5	529.1	17.1	8.4	188.8
3535	Conveyors and conveying equipment ---	-	4	3	0.6	14.3	0.4	0.8	5.6	27.8	18.4	43.9	(D)	(NA)	(NA)
354	Metalworking machinery ---	-	194	67	6.2	117.0	4.4	9.8	74.8	250.8	163.3	395.0	13.2	(NA)	(NA)
36	Electric and electronic equipment -----	E1	15	10	0.7	8.6	0.5	1.1	5.8	17.9	17.3	34.6	0.7	(NA)	(NA)
	Wyandotte -----	-	57	31	5.9	102.8	3.5	6.9	50.4	167.3	198.6	364.2	23.7	4.3	104.3
34	Fabricated metal products ---	-	19	13	1.1	13.3	0.9	1.8	9.9	28.9	26.2	55.2	(D)	0.6	14.2
	Wyoming -----	-	187	81	16.0	264.5	12.9	26.4	201.3	591.1	560.8	1 144.1	31.7	10.8	261.8
20	Food and kindred products --	-	12	4	0.7	10.0	0.3	0.6	3.9	35.5	56.4	91.7	(D)	0.6	12.9
33	Primary metal industries -----	-	10	6	1.4	26.7	1.2	2.7	21.8	35.0	69.0	102.2	(D)	0.5	5.0
34	Fabricated metal products ---	-	39	19	4.0	78.8	3.4	7.4	63.5	189.5	202.9	389.2	6.6	3.6	92.0
35	Machinery, except electrical --	-	39	14	1.1	15.4	0.9	1.7	11.8	31.0	25.0	55.8	1.1	0.5	9.6
354	Metalworking machinery ---	E1	20	8	0.5	8.3	0.5	0.9	6.5	13.4	6.2	19.5	(D)	(NA)	(NA)
	Zeeland -----	-	38	25	3.6	47.4	2.3	4.6	23.1	162.4	82.2	242.5	17.2	2.1	38.8
30	Rubber and miscellaneous plastics products -----	-	5	4	0.5	5.0	0.3	0.6	2.9	11.7	9.9	21.4	(D)	(NA)	(NA)
3079	Miscellaneous plastics products -----	-	5	4	0.5	5.0	0.3	0.6	2.9	11.7	9.9	21.4	(D)	(NA)	(NA)

Note: "City" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
MICHIGAN	15627	829	3	43	241	1168	317	265	1680	399	76	630	43	702	581	2439	3983	479	624	261	464	400
1 TO 4 EMPLOYEES	5413	267	3	11	93	680	98	39	923	144	31	140	17	264	106	582	1291	144	187	94	239	60
5 TO 9 EMPLOYEES	2227	107	-	8	28	161	41	25	254	57	9	82	7	134	56	320	661	57	65	34	69	51
10 TO 19 EMPLOYEES	2607	118	-	9	39	145	46	31	209	52	12	91	5	146	90	477	825	77	67	37	67	64
20 TO 49 EMPLOYEES	2621	140	-	5	31	117	53	63	157	59	14	144	3	97	146	557	708	81	76	52	49	69
50 TO 99 EMPLOYEES	1261	82	-	3	18	43	36	39	75	37	6	95	2	20	73	253	264	61	64	20	16	54
100 TO 249 EMPLOYEES	886	77	-	4	19	17	28	46	46	24	2	53	4	27	54	174	143	40	64	12	13	39
250 TO 499 EMPLOYEES	320	29	-	2	4	3	9	16	10	16	2	17	5	7	28	46	45	10	31	11	19	21
500 TO 999 EMPLOYEES	142	6	-	1	2	2	3	5	4	4	-	5	-	5	16	18	31	4	15	-	2	19
1000 TO 2499 EMPLOYEES	72	2	-	5	-	-	3	1	2	3	-	2	-	2	5	-	13	3	17	1	-	13
2500 EMPLOYEES AND OVER	78	1	-	-	2	-	-	1	-	3	-	1	-	-	7	12	2	2	37	-	-	10
ALCONA COUNTY	30	-	-	-	1	14	-	-	-	-	-	-	-	3	-	1	6	-	2	-	1	-
1 TO 19 EMPLOYEES	26	-	-	-	1	13	-	-	2	-	-	-	-	2	-	1	4	-	2	-	1	-
20 TO 99 EMPLOYEES	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
ALGER COUNTY	35	3	-	-	-	22	-	-	4	-	-	-	-	-	-	-	3	-	-	-	1	-
1 TO 19 EMPLOYEES	32	3	-	-	-	20	-	-	4	-	-	-	-	-	-	-	3	-	-	-	1	-
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALLEGAN COUNTY	150	18	-	1	3	8	3	6	13	5	-	6	-	9	1	32	26	5	5	2	4	3
1 TO 19 EMPLOYEES	84	6	-	1	1	5	1	3	11	2	-	1	-	7	1	17	18	3	2	1	4	2
20 TO 99 EMPLOYEES	36	6	-	-	1	3	1	2	2	1	-	3	-	6	1	11	4	1	1	-	-	1
100 TO 249 EMPLOYEES	22	5	-	1	1	-	-	-	-	-	-	2	-	1	1	2	2	1	3	-	-	-
250 EMPLOYEES AND OVER	8	1	-	-	-	-	-	1	-	1	-	-	-	-	-	-	2	-	-	1	-	-
ALPENA COUNTY	57	3	-	1	-	21	2	1	5	-	-	-	-	7	1	4	9	1	1	-	1	-
1 TO 19 EMPLOYEES	44	2	-	-	-	18	1	-	4	-	-	-	-	6	-	4	6	1	1	-	-	-
20 TO 99 EMPLOYEES	9	1	-	1	-	2	1	-	1	-	-	-	-	1	-	-	2	-	-	-	-	-
250 EMPLOYEES AND OVER	4	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
ANTRIM COUNTY	51	4	-	1	1	9	-	-	4	-	-	-	-	6	-	6	15	2	1	1	1	-
1 TO 19 EMPLOYEES	40	3	-	1	1	9	-	-	4	-	-	-	-	6	-	4	10	1	-	-	-	-
20 TO 99 EMPLOYEES	7	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	1	-	1	-	-
100 TO 249 EMPLOYEES	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
ARENAC COUNTY	24	2	-	-	-	3	-	-	2	-	-	-	-	-	1	7	5	-	2	-	2	-
1 TO 19 EMPLOYEES	16	2	-	-	-	3	-	-	2	-	-	-	-	-	-	4	4	-	-	-	1	-
20 TO 99 EMPLOYEES	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-
BARAGA COUNTY	42	-	-	-	-	26	-	-	1	-	-	1	-	2	-	1	11	-	-	-	-	-
1 TO 19 EMPLOYEES	36	-	-	-	-	24	-	-	1	-	-	1	-	1	-	1	6	-	-	-	-	-
20 TO 99 EMPLOYEES	4	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BARRY COUNTY	37	-	-	-	1	3	1	-	6	-	-	4	-	3	1	5	10	-	2	-	-	1
1 TO 19 EMPLOYEES	23	-	-	-	-	2	1	-	5	-	-	1	-	3	-	4	6	-	-	-	-	1
20 TO 99 EMPLOYEES	7	-	-	-	-	1	-	-	1	-	-	1	-	-	-	1	2	-	1	-	-	1
100 TO 249 EMPLOYEES	5	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
BEAUFORT COUNTY	144	12	1	-	1	10	5	3	17	3	1	4	-	14	5	20	23	10	5	2	4	4
1 TO 19 EMPLOYEES	96	6	1	-	-	6	5	1	16	3	-	2	-	11	3	10	12	5	2	2	3	2
20 TO 99 EMPLOYEES	29	3	-	-	-	4	-	2	-	-	-	1	-	3	2	7	4	1	1	-	-	1
100 TO 249 EMPLOYEES	13	3	-	-	1	-	-	-	1	-	-	1	-	-	-	-	-	2	1	-	-	-
250 EMPLOYEES AND OVER	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	1	-	-	-
BENZIE COUNTY	21	5	-	-	2	2	-	1	5	-	-	-	-	-	-	1	3	2	-	-	-	-
1 TO 19 EMPLOYEES	13	3	-	-	-	2	-	1	5	-	-	-	-	-	-	-	1	1	-	-	-	-
20 TO 99 EMPLOYEES	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
100 TO 249 EMPLOYEES	3	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BERRIEN COUNTY	371	22	-	-	4	16	4	15	44	5	1	18	-	15	52	52	93	16	11	7	7	9
1 TO 19 EMPLOYEES	232	10	-	-	3	14	3	6	33	4	1	5	-	15	9	31	65	8	7	6	7	6
20 TO 99 EMPLOYEES	88	8	-	-	-	1	-	6	8	1	1	9	-	11	18	21	22	2	1	-	-	-
100 TO 249 EMPLOYEES	28	4	-	-	1	1	1	3	2	-	-	3	-	-	4	2	2	3	2	-	-	-
250 EMPLOYEES AND OVER	23	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	5	1	1	-	-	2

See footnotes at end of table.

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Footnotes at end of table.

Footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977—Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
GENESEE COUNTY	310	22	-	-	4	9	5	4	90	12	2	16	2	21	4	43	66	4	12	6	14	4
1 TO 19 EMPLOYEES	236	13	-	-	3	8	3	1	55	10	2	12	2	15	2	30	53	2	6	5	11	3
20 TO 99 EMPLOYEES	52	6	-	-	1	1	-	1	4	1	-	3	-	6	2	10	10	2	-	1	3	1
100 TO 249 EMPLOYEES	12	3	-	-	-	2	2	2	-	-	-	1	-	-	-	1	3	-	-	-	-	-
250 EMPLOYEES AND OVER	10	-	-	-	-	-	-	-	1	1	-	-	-	-	-	2	-	-	6	-	-	-
GLADWIN COUNTY	25	-	-	-	-	3	-	-	1	2	-	2	-	2	-	3	6	-	4	-	-	-
1 TO 19 EMPLOYEES	19	-	-	-	-	3	-	-	1	2	-	1	-	2	-	2	6	-	2	-	-	-
20 TO 99 EMPLOYEES	4	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1	-	1	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GOGEBIC COUNTY	52	3	-	-	2	28	-	-	6	1	-	-	-	5	-	1	2	-	1	1	2	-
1 TO 19 EMPLOYEES	42	3	-	-	1	23	-	-	5	1	-	-	-	4	-	1	2	-	1	1	1	-
20 TO 99 EMPLOYEES	8	-	-	-	-	4	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRAND TRAVERSE COUNTY	91	13	-	-	4	4	1	1	15	-	-	3	1	5	1	10	20	3	2	4	4	-
1 TO 19 EMPLOYEES	60	6	-	-	3	4	1	1	12	-	-	2	1	3	1	4	15	2	2	2	4	-
20 TO 99 EMPLOYEES	23	5	-	-	1	-	1	-	2	-	-	1	-	2	-	4	4	2	-	1	-	-
100 TO 249 EMPLOYEES	4	1	-	-	-	-	-	-	1	-	-	-	-	-	-	2	-	1	-	-	-	-
250 EMPLOYEES AND OVER	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-
GRATIOT COUNTY	38	1	-	-	-	4	-	1	5	1	1	2	1	3	-	3	8	1	6	-	-	1
1 TO 19 EMPLOYEES	22	1	-	-	-	2	-	1	4	-	-	-	-	3	-	2	6	1	2	-	-	-
20 TO 99 EMPLOYEES	10	-	-	-	-	2	-	-	1	-	-	2	-	-	-	-	2	-	1	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
250 EMPLOYEES AND OVER	4	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-
HILLSDALE COUNTY	89	5	-	-	4	6	1	1	10	1	-	7	-	7	4	18	14	-	6	-	4	1
1 TO 19 EMPLOYEES	57	3	-	-	1	4	-	1	7	1	-	4	-	6	3	12	11	-	2	-	3	-
20 TO 99 EMPLOYEES	17	1	-	-	2	1	-	1	3	-	-	3	-	1	-	3	1	-	-	-	1	-
100 TO 249 EMPLOYEES	12	1	-	-	1	1	1	-	-	-	-	-	-	-	1	3	1	-	2	-	1	-
250 EMPLOYEES AND OVER	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	-	-	-
HOUGHTON COUNTY	48	10	-	-	-	11	-	-	5	-	-	3	-	5	1	5	5	2	1	-	-	-
1 TO 19 EMPLOYEES	35	7	-	-	-	8	-	-	4	-	-	2	-	5	1	3	3	1	1	-	-	-
20 TO 99 EMPLOYEES	12	3	-	-	-	2	-	-	1	-	-	1	-	-	-	2	2	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HURON COUNTY	64	7	-	-	1	5	-	-	7	4	-	2	-	10	5	6	13	-	4	-	-	-
1 TO 19 EMPLOYEES	44	5	-	-	1	5	-	-	6	2	-	1	-	9	2	3	6	-	4	-	-	-
20 TO 99 EMPLOYEES	15	1	-	-	-	-	-	-	1	-	-	1	-	1	3	2	6	-	-	-	-	-
100 TO 249 EMPLOYEES	4	1	-	-	-	-	-	-	-	2	-	-	-	-	-	-	1	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
INGHAM COUNTY	257	23	-	1	-	10	6	2	71	3	2	7	-	13	3	31	43	3	13	7	13	6
1 TO 19 EMPLOYEES	176	16	-	-	-	7	6	1	62	2	1	2	-	7	1	18	24	2	6	6	13	2
20 TO 99 EMPLOYEES	56	4	-	1	-	3	-	-	7	1	1	4	-	6	1	7	12	1	3	1	4	4
100 TO 249 EMPLOYEES	15	3	-	-	-	-	-	1	1	-	-	-	-	-	-	3	6	-	-	-	-	-
250 EMPLOYEES AND OVER	10	-	-	-	-	-	-	-	1	-	-	1	-	-	-	3	1	-	4	-	-	-
IONIA COUNTY	74	10	-	2	3	7	4	-	7	-	-	5	-	4	2	12	13	1	2	-	-	2
1 TO 19 EMPLOYEES	47	7	-	2	-	6	3	-	6	-	-	1	-	4	1	6	8	-	1	-	-	-
20 TO 99 EMPLOYEES	16	2	-	-	2	1	1	-	1	-	-	3	-	-	-	4	2	1	-	-	-	-
100 TO 249 EMPLOYEES	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
250 EMPLOYEES AND OVER	6	-	-	-	1	-	-	-	-	-	-	1	-	-	1	-	2	-	1	-	-	-
IOSCO COUNTY	41	1	-	-	1	10	-	-	3	-	-	-	-	6	-	7	9	1	3	-	3	-
1 TO 19 EMPLOYEES	25	1	-	-	1	9	-	-	3	-	-	-	-	4	-	1	3	1	1	-	-	-
20 TO 99 EMPLOYEES	14	-	-	-	-	1	-	-	-	-	-	-	-	1	-	5	3	-	2	-	2	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
IRON COUNTY	43	3	-	-	-	31	-	-	3	-	-	-	-	2	-	1	1	-	1	-	1	-
1 TO 19 EMPLOYEES	38	3	-	-	-	29	-	-	3	-	-	-	-	1	-	1	1	-	-	-	1	-
20 TO 99 EMPLOYEES	4	-	-	-	-	2	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
ISABELLA COUNTY	27	3	-	-	-	6	-	1	5	-	-	-	-	2	-	1	5	-	1	-	2	1
1 TO 19 EMPLOYEES	19	2	-	-	-	6	-	1	3	-	-	-	-	2	-	-	2	-	1	-	2	1
20 TO 99 EMPLOYEES	6	1	-	-	-	-	-	1	2	-	-	-	-	-	-	-	2	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 --Con.

State, county, and employee size class ¹	All es- tablish- ments	Establishments by size class ²																					
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
JACKSON COUNTY	333	17	-	-	4	5	3	3	29	2	3	9	-	-	15	14	68	113	7	20	4	5	12
1 TO 19 EMPLOYEES	215	13	-	-	1	4	3	1	25	-	3	4	-	-	10	6	39	85	5	6	-	5	6
20 TO 99 EMPLOYEES	78	3	-	-	2	1	2	4	4	2	4	3	-	-	4	4	23	20	4	4	2	-	4
100 TO 249 EMPLOYEES	26	1	-	-	1	-	-	-	1	-	-	1	-	-	1	3	3	4	1	7	1	-	2
250 EMPLOYEES AND OVER	14	-	-	-	-	-	-	-	-	-	-	1	-	-	1	1	3	4	1	3	1	-	-
KALAMAZOO COUNTY	366	19	-	1	3	15	9	30	60	18	2	19	1	1	12	12	35	74	8	4	10	14	15
1 TO 19 EMPLOYEES	227	12	-	1	3	14	4	7	47	9	1	9	1	1	8	7	20	58	8	-	5	12	4
20 TO 99 EMPLOYEES	81	6	-	-	3	1	3	11	9	6	1	6	-	-	3	3	12	10	-	-	2	1	1
100 TO 249 EMPLOYEES	29	-	-	-	-	-	1	4	3	2	-	3	-	-	1	2	1	8	-	4	1	-	2
250 EMPLOYEES AND OVER	29	1	-	-	-	-	1	8	1	1	-	1	-	-	-	-	1	3	-	4	2	1	5
KALKASKA COUNTY	9	-	-	-	-	2	-	-	1	-	-	-	-	-	-	-	2	2	-	1	-	1	-
1 TO 19 EMPLOYEES	7	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	2	1	-	-	-	1	-
20 TO 99 EMPLOYEES	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-
KENT COUNTY	991	57	-	8	25	55	62	27	146	29	4	38	3	3	37	46	154	186	31	17	17	31	18
1 TO 19 EMPLOYEES	606	31	-	5	18	37	25	9	111	21	2	19	1	1	29	22	81	131	14	7	9	23	11
20 TO 99 EMPLOYEES	272	17	-	1	3	18	25	14	30	6	2	14	-	-	6	17	48	40	9	6	6	4	6
100 TO 249 EMPLOYEES	61	5	-	1	2	-	5	4	4	1	-	2	1	1	2	2	12	11	5	4	2	1	1
250 EMPLOYEES AND OVER	52	4	-	1	2	-	7	-	1	1	-	2	1	1	2	5	13	4	3	4	2	3	1
KENOSHA COUNTY	4	-	-	-	-	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	1	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	3	-	-	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LAKE COUNTY	10	-	-	-	-	8	-	-	-	-	-	-	-	1	1	-	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LAPEER COUNTY	79	4	-	-	2	5	1	1	5	1	-	4	-	3	3	3	19	16	1	9	2	-	3
1 TO 19 EMPLOYEES	47	2	-	1	1	2	1	-	3	1	-	1	-	3	3	-	10	14	1	5	1	-	2
20 TO 99 EMPLOYEES	22	1	-	-	2	2	-	-	2	-	-	2	-	-	-	1	8	2	-	2	1	-	1
100 TO 249 EMPLOYEES	8	-	-	1	-	1	-	-	-	-	-	1	-	-	-	2	1	-	-	1	-	-	-
250 EMPLOYEES AND OVER	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-
LEELANAU COUNTY	26	5	-	-	1	7	-	-	4	-	-	1	-	3	3	-	2	1	-	2	-	-	-
1 TO 19 EMPLOYEES	22	3	-	-	1	6	-	-	4	-	-	1	-	-	-	-	1	1	-	2	-	-	-
20 TO 99 EMPLOYEES	4	2	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-
LENAWEE COUNTY	176	10	-	1	1	12	1	3	20	6	-	14	-	-	9	7	34	45	2	7	2	2	-
1 TO 19 EMPLOYEES	109	7	-	1	1	6	-	-	16	-	-	9	-	7	3	3	21	31	2	3	1	2	-
20 TO 99 EMPLOYEES	46	3	-	-	-	5	1	2	3	4	-	4	-	1	1	3	10	11	-	2	-	-	-
100 TO 249 EMPLOYEES	10	-	-	-	-	1	-	1	1	1	-	1	-	1	1	1	1	1	-	2	1	-	-
250 EMPLOYEES AND OVER	11	-	-	1	-	1	-	-	-	1	-	-	-	-	-	1	2	2	-	-	-	-	-
LIVINGSTON COUNTY	120	2	-	-	1	2	-	2	7	6	4	10	-	-	6	7	20	32	8	7	1	4	1
1 TO 19 EMPLOYEES	65	1	-	1	1	2	-	-	6	5	3	4	-	-	3	2	13	17	4	1	1	4	1
20 TO 99 EMPLOYEES	42	1	-	-	-	1	1	1	1	1	1	5	-	3	3	2	7	11	3	2	-	-	1
100 TO 249 EMPLOYEES	12	-	-	-	-	-	1	-	1	-	-	1	-	-	2	2	1	3	1	4	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
LUCE COUNTY	27	1	-	-	-	23	1	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	24	1	-	-	-	20	1	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	3	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MACKINAC COUNTY	23	2	-	-	1	12	-	-	2	-	-	1	1	1	1	-	-	1	1	1	-	-	-
1 TO 19 EMPLOYEES	20	2	-	-	-	12	-	-	1	-	-	1	1	1	-	-	-	1	1	-	-	-	-
20 TO 99 EMPLOYEES	3	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MACOMB COUNTY	1740	27	-	4	26	39	9	14	84	17	4	62	3	46	66	362	726	56	80	15	49	31	6
1 TO 19 EMPLOYEES	1149	11	-	3	19	33	6	9	71	10	3	43	3	34	30	210	522	36	47	11	42	8	3
20 TO 99 EMPLOYEES	472	9	-	-	2	5	2	5	11	3	1	25	-	9	31	130	184	20	20	3	4	2	3
100 TO 249 EMPLOYEES	69	7	-	1	1	1	1	-	2	3	-	10	-	2	2	17	14	-	3	1	2	1	14
250 EMPLOYEES AND OVER	50	-	-	1	4	-	-	-	-	1	-	4	-	1	3	5	6	-	10	-	1	-	-
MANISTEE COUNTY	44	3	-	1	1	11	2	1	3	3	-	1	-	3	1	5	4	2	1	-	2	1	1
1 TO 19 EMPLOYEES	28	1	-	-	-	11	1	-	2	1	-	1	-	2	-	3	3	2	-	-	1	1	-
20 TO 99 EMPLOYEES	8	2	-	-	-	-	1	-	1	1	-	-	-	-	-	1	1	-	-	-	-	-	-
100 TO 249 EMPLOYEES	4	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	4	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tab-lish- ments	Establishments in major industry groups																					
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's	
MARQUETTE COUNTY	61	6	-	-	1	25	1	-	9	2	-	-	1	4	1	4	3	-	-	-	-	1	1
1 TO 19 EMPLOYEES	48	3	-	-	1	22	1	-	8	1	-	-	1	4	1	4	3	2	-	-	-	1	1
20 TO 99 EMPLOYEES	9	4	-	-	-	2	-	-	1	1	-	-	-	-	1	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	
MASON COUNTY	51	8	-	-	2	8	1	-	4	1	-	3	-	3	2	8	9	1	-	1	1	1	
1 TO 19 EMPLOYEES	28	6	-	-	1	8	-	-	3	-	-	-	-	2	-	1	5	1	-	-	1	1	
20 TO 99 EMPLOYEES	15	1	-	-	-	-	1	-	1	-	-	3	-	-	1	6	2	-	-	-	-	-	
100 TO 249 EMPLOYEES	6	1	-	-	1	-	-	-	-	-	-	-	-	1	1	1	-	-	-	1	-	-	
250 EMPLOYEES AND OVER	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	
MECOSTA COUNTY	38	2	-	1	-	8	1	-	4	-	-	-	2	4	-	2	12	-	1	-	1	1	
1 TO 19 EMPLOYEES	22	2	-	-	-	7	-	-	3	-	-	-	-	4	-	-	5	-	-	-	1	1	
20 TO 99 EMPLOYEES	13	-	-	1	-	1	1	-	1	-	-	-	-	-	-	1	7	-	1	-	-	-	
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER	2	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	
MENOMINEE COUNTY	83	4	-	1	-	44	4	2	3	1	-	1	-	4	2	4	7	-	3	1	2	-	
1 TO 19 EMPLOYEES	54	2	-	-	-	39	1	-	2	1	-	-	-	4	-	1	2	-	-	-	1	1	
20 TO 99 EMPLOYEES	22	2	-	-	-	5	1	1	1	-	-	1	-	4	1	3	4	-	1	1	1	-	
100 TO 249 EMPLOYEES	4	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	1	
MIDLAND COUNTY	44	2	-	-	-	4	1	1	9	5	1	6	-	4	2	1	5	-	2	-	3	1	
1 TO 19 EMPLOYEES	30	2	-	-	-	4	1	-	3	2	1	3	-	2	2	1	5	-	2	-	2	-	
20 TO 99 EMPLOYEES	7	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER	5	-	-	-	-	-	-	-	1	3	-	-	-	-	-	-	-	-	-	-	-	-	
MISSAUKEE COUNTY	19	1	-	-	-	7	1	-	1	1	-	-	-	1	1	2	3	1	-	-	-	-	
1 TO 19 EMPLOYEES	18	1	-	-	-	7	1	-	1	1	-	-	-	1	1	1	3	1	-	-	-	-	
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MONROE COUNTY	140	10	-	-	-	6	7	11	11	7	-	10	1	11	6	20	31	2	3	-	1	3	
1 TO 19 EMPLOYEES	87	8	-	-	-	4	5	-	10	7	-	4	-	6	2	11	27	1	-	-	1	1	
20 TO 99 EMPLOYEES	35	2	-	-	-	2	1	6	-	-	-	4	1	2	3	7	3	1	2	-	-	-	
100 TO 249 EMPLOYEES	11	-	-	-	-	-	-	4	1	-	-	2	-	1	1	1	1	-	-	-	-	-	
250 EMPLOYEES AND OVER	7	-	-	-	-	-	1	1	-	-	-	-	-	2	-	1	-	-	1	-	-	-	
MONTCALM COUNTY	60	9	-	-	1	6	1	1	10	2	1	5	-	5	-	5	6	3	1	-	4	-	
1 TO 19 EMPLOYEES	38	4	-	-	-	6	1	-	7	2	-	1	-	5	-	3	4	1	-	-	4	-	
20 TO 99 EMPLOYEES	13	3	-	-	1	-	-	1	2	-	-	3	-	5	-	-	2	-	-	-	-	-	
100 TO 249 EMPLOYEES	5	1	-	-	-	-	-	-	1	-	-	1	-	-	-	-	1	-	-	-	-	-	
250 EMPLOYEES AND OVER	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	
MONTMORENCY COUNTY	25	-	-	-	-	16	-	-	1	-	-	-	-	3	-	-	3	1	1	-	-	-	
1 TO 19 EMPLOYEES	21	-	-	-	-	15	-	-	1	-	-	-	-	3	-	-	2	-	-	-	-	-	
20 TO 99 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	
MUSKEGON COUNTY	273	14	-	-	4	12	8	2	23	14	1	4	1	6	31	43	73	5	9	6	7	9	
1 TO 19 EMPLOYEES	158	10	-	-	4	12	2	-	19	7	-	1	-	4	12	22	45	4	3	5	5	3	
20 TO 99 EMPLOYEES	75	2	-	-	-	-	2	-	2	5	1	3	-	2	12	18	18	1	1	1	1	4	
100 TO 249 EMPLOYEES	21	2	-	-	-	-	2	1	2	2	-	-	1	-	3	2	1	-	3	-	-	-	
250 EMPLOYEES AND OVER	19	-	-	-	-	-	2	1	-	-	-	-	-	-	4	1	9	-	1	-	1	-	
NEWAYGO COUNTY	36	5	-	-	1	11	-	-	3	1	-	-	-	3	-	3	4	-	-	-	3	2	
1 TO 19 EMPLOYEES	29	2	-	-	1	10	-	-	3	1	-	-	-	3	-	2	3	-	-	-	3	1	
20 TO 99 EMPLOYEES	3	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	
100 TO 249 EMPLOYEES	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
OAKLAND COUNTY	2285	34	-	5	21	46	27	15	193	54	15	110	5	81	58	364	805	119	92	55	74	112	
1 TO 19 EMPLOYEES	1535	26	-	3	18	35	23	6	165	37	13	61	4	65	32	210	556	62	59	38	64	58	
20 TO 99 EMPLOYEES	607	6	-	-	3	11	4	3	23	13	2	40	1	14	21	131	211	45	22	16	6	30	
100 TO 249 EMPLOYEES	104	1	-	-	-	-	-	-	4	2	-	7	-	2	4	21	28	12	4	1	1	14	
250 EMPLOYEES AND OVER	39	1	-	-	-	-	-	-	1	2	-	2	-	-	1	2	10	-	7	-	3	10	
OCEANA COUNTY	31	7	-	-	1	7	1	-	2	1	-	-	-	2	4	2	-	-	-	-	1	2	
1 TO 19 EMPLOYEES	20	3	-	-	1	2	1	-	2	1	-	-	-	2	3	2	-	-	-	-	1	1	
20 TO 99 EMPLOYEES	10	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977—Con.

State, county, and employee size class	All establishments	Establishments in major industry group																		
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
OGEMAW COUNTY	38	-	-	-	-	12	1	-	1	1	-	-	3	-	6	7	3	1	1	1
1 TO 19 EMPLOYEES	28	-	-	-	-	11	1	-	1	-	-	3	-	3	3	5	2	1	1	1
20 TO 99 EMPLOYEES	9	-	-	-	-	1	-	-	-	1	-	-	-	-	-	2	1	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ONTONAGON COUNTY	21	1	-	-	-	16	-	-	1	-	-	-	-	-	-	-	1	-	-	-
1 TO 19 EMPLOYEES	18	1	-	-	-	15	-	-	1	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
OSCEOLA COUNTY	35	3	-	-	-	8	-	-	1	1	2	1	1	1	4	9	2	-	1	1
1 TO 19 EMPLOYEES	26	2	-	-	-	8	-	-	3	3	1	1	1	1	1	7	1	-	1	1
20 TO 99 EMPLOYEES	5	1	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OSCODA COUNTY	28	-	-	-	-	20	-	-	2	-	-	-	1	1	3	1	-	-	-	-
1 TO 19 EMPLOYEES	23	-	-	-	-	19	-	-	2	-	-	-	1	1	2	1	-	-	-	-
20 TO 99 EMPLOYEES	5	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTSEGO COUNTY	40	3	-	-	-	17	-	-	3	-	-	-	3	1	2	6	-	3	2	2
1 TO 19 EMPLOYEES	35	3	-	-	-	16	-	-	3	-	-	-	3	1	2	4	-	2	2	2
20 TO 99 EMPLOYEES	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-
OTTAWA COUNTY	368	26	-	3	5	31	26	7	22	8	-	16	4	20	10	52	79	17	14	14
1 TO 19 EMPLOYEES	225	17	-	1	4	24	12	4	17	3	-	7	3	14	3	27	57	8	7	5
20 TO 99 EMPLOYEES	92	6	-	1	-	6	8	3	5	2	-	6	-	4	5	17	15	7	2	3
100 TO 249 EMPLOYEES	27	1	-	-	-	1	3	-	-	-	-	1	-	2	1	5	4	1	2	2
250 EMPLOYEES AND OVER	24	2	-	1	1	-	3	-	-	2	-	2	1	-	1	3	3	1	3	1
PRESQUE ISLE COUNTY	30	3	-	-	1	21	-	1	-	-	-	-	-	2	-	-	1	-	1	-
1 TO 19 EMPLOYEES	27	2	-	-	1	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	2	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RUSCONMONT COUNTY	31	-	-	-	-	14	-	-	4	-	-	-	-	4	-	4	-	-	-	1
1 TO 19 EMPLOYEES	25	-	-	-	-	14	-	-	3	-	-	-	-	4	-	1	2	-	-	1
20 TO 99 EMPLOYEES	5	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAGINAW COUNTY	236	30	-	-	4	17	8	3	29	8	-	6	-	16	6	18	62	5	6	6
1 TO 19 EMPLOYEES	148	17	-	-	4	10	6	1	27	5	-	4	-	14	3	9	33	2	1	3
20 TO 99 EMPLOYEES	61	8	-	-	-	6	1	2	1	3	-	1	-	2	-	6	22	2	2	2
100 TO 249 EMPLOYEES	16	3	-	-	-	1	1	-	1	-	-	1	-	-	2	3	5	1	3	1
250 EMPLOYEES AND OVER	11	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-
ST. CLAIR COUNTY	214	9	-	2	7	14	3	4	17	7	1	20	1	9	12	39	46	1	14	3
1 TO 19 EMPLOYEES	143	6	-	2	3	13	2	-	16	4	1	11	1	9	4	23	36	1	7	1
20 TO 99 EMPLOYEES	47	2	-	-	3	1	1	1	1	-	-	8	-	-	5	10	9	5	5	2
100 TO 249 EMPLOYEES	18	1	-	-	1	-	-	2	1	-	-	1	-	-	1	5	1	2	2	-
250 EMPLOYEES AND OVER	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ST. JOSEPH COUNTY	175	4	-	-	4	8	5	10	13	1	1	16	-	5	8	32	26	4	28	8
1 TO 19 EMPLOYEES	92	2	-	-	-	5	-	2	10	-	1	6	-	4	3	20	15	3	15	5
20 TO 99 EMPLOYEES	56	1	-	-	3	3	2	4	2	1	-	5	-	1	3	8	8	2	10	3
100 TO 249 EMPLOYEES	20	1	-	-	1	-	1	3	1	-	-	4	-	-	2	3	2	1	2	-
250 EMPLOYEES AND OVER	7	1	-	-	-	-	2	-	-	-	-	1	-	-	-	1	1	-	1	-
SANILAC COUNTY	86	12	-	-	4	9	1	-	6	2	-	8	-	4	-	16	11	2	8	1
1 TO 19 EMPLOYEES	55	9	-	-	3	8	-	-	6	2	-	2	-	4	-	10	5	4	1	1
20 TO 99 EMPLOYEES	19	1	-	-	1	1	-	-	-	-	-	4	-	-	-	3	6	2	1	1
100 TO 249 EMPLOYEES	9	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	3	1	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-
SCHOOLCRAFT COUNTY	30	-	-	-	-	23	-	1	3	-	-	-	-	2	-	-	1	-	-	-
1 TO 19 EMPLOYEES	28	-	-	-	-	22	-	-	3	-	-	-	-	2	-	-	1	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 — Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																			CAO's		
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
SHIAWASSEE COUNTY	92	5	1	1	1	4	3	4	12	1	1	6	1	11	3	10	14	8	7	1	1	2	
1 TO 19 EMPLOYEES	55	5	1	1	1	2	1	1	11	1	1	4	1	8	2	5	10	2	2	1	1	1	
20 TO 99 EMPLOYEES	22	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	
100 TO 249 EMPLOYEES	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
250 EMPLOYEES AND OVER	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
TUSCOLA COUNTY	75	7	1	1	1	1	1	1	8	2	1	5	1	7	4	14	10	1	1	1	1	1	
1 TO 19 EMPLOYEES	47	4	1	1	1	1	1	1	6	2	1	4	1	7	1	7	6	1	1	1	1	1	
20 TO 99 EMPLOYEES	22	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	
100 TO 249 EMPLOYEES	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
250 EMPLOYEES AND OVER	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
VAN BUREN COUNTY	122	22	1	1	1	1	1	1	15	1	1	6	1	5	7	14	25	5	3	1	5	3	
1 TO 19 EMPLOYEES	78	11	1	1	1	1	1	1	14	1	1	1	1	5	2	11	16	3	3	1	4	2	
20 TO 99 EMPLOYEES	33	9	1	1	1	1	1	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	
100 TO 249 EMPLOYEES	8	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
250 EMPLOYEES AND OVER	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
WASHTENAW COUNTY	340	11	2	2	1	12	4	5	74	3	1	21	1	13	4	36	67	24	11	20	15	16	
1 TO 19 EMPLOYEES	223	9	2	2	1	11	4	1	57	3	1	13	1	8	2	22	43	15	5	12	11	3	
20 TO 99 EMPLOYEES	73	1	1	1	1	1	1	2	9	1	1	5	1	5	1	6	16	7	1	7	4	9	
100 TO 249 EMPLOYEES	23	1	1	1	1	1	1	2	6	1	1	1	1	1	1	1	4	1	1	1	1	1	
250 EMPLOYEES AND OVER	21	1	1	1	1	1	1	1	2	1	1	2	1	1	1	2	4	2	6	1	1	3	
WAYNE COUNTY	3480	210	1	6	75	65	64	61	425	146	29	79	9	115	160	637	903	89	138	58	106	104	
1 TO 19 EMPLOYEES	2246	112	1	4	53	53	49	33	340	92	19	45	8	73	76	348	636	62	77	41	83	41	
20 TO 99 EMPLOYEES	922	61	1	1	17	11	15	20	70	39	8	30	1	27	61	219	227	23	27	13	21	31	
100 TO 249 EMPLOYEES	160	19	1	1	3	1	1	7	8	6	1	1	1	9	9	49	24	4	6	3	2	8	
250 EMPLOYEES AND OVER	152	18	1	1	3	1	1	1	7	9	1	3	1	6	14	21	16	1	28	1	1	24	
WEXFORD COUNTY	74	1	1	1	1	1	1	1	5	1	1	6	1	6	3	10	14	1	3	1	2	2	
1 TO 19 EMPLOYEES	52	1	1	1	1	1	1	1	4	1	1	2	1	5	1	8	13	1	1	1	2	1	
20 TO 99 EMPLOYEES	14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
100 TO 249 EMPLOYEES	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
250 EMPLOYEES AND OVER	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

Note: Data on number of establishments by employment size class by 4-digit SIC industry for States, counties, and selected cities are presented in Location of Manufacturing Plants data series. This series is available only on computer tape (see Introduction).

- Represents zero.

¹Only those counties and size classes that include data for manufacturing establishments are shown.

Minnesota

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MINNESOTA

LEGEND

- ⊙ Places of 100,000 or more inhabitants
- Places of 50,000 to 100,000 inhabitants
- Central cities of SMSA's with fewer than 50,000 inhabitants
- Places of 25,000 to 50,000 inhabitants outside SMSA's

Standard Metropolitan
Statistical Areas (SMSA's)

SUMMARY OF FINDINGS

In 1977, 331.7 thousand persons were employed in Minnesota's manufacturing establishments. This figure represented an increase of 10 percent from the 1972 figure of 302.2 thousand workers.

The total value added by manufacture for the State amounted to \$9,605 million in 1977, an increase of approximately 74 percent from the 1972 figure of \$5,524 million. All dollar figures in this report are in current dollars and are, therefore, not adjusted for changes in price levels.

In the State, the most important industry groups ranked by employment were machinery, except electrical; food and kindred products; fabricated metal products; and printing and publishing. They accounted for approximately 50 percent of the State's 1977 employment. These same industry groups were in the forefront for 1972 when they accounted for approximately 51 percent of the State's employment.

The most important counties in the State ranked by employment were Hennepin, Ramsey, Anoka, and Dakota. They accounted for approximately 61 percent of the State's 1977 manufacturing employment. In 1972, these same counties accounted for approximately 61 percent of the State's employment.

The methods of data collection and use of administrative records data are discussed in detail in the Introduction. Small single-unit companies with up to 20 employees (the cutoff varied by industry) were excluded from the mail portion of the census. For these establishments (and a small number of larger establishments whose reports were not received in time to be tabulated), statistics on payrolls and receipts were obtained from administrative records of other government agencies. Other statistics were developed from industry averages. For this State, these establishments accounted for 4 percent of the total value of shipments.

Table 1. Historical Employment Statistics for Operating Manufacturing Establishments and Central Administrative Offices: 1977 and Earlier Years

(For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

State, standard metropolitan statistical area, and year	All establishments		Operating manufacturing establishments		Central administrative offices and auxiliaries ¹	
	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)
Minnesota:						
1977.....	331.7	4,693.0	301.6	3,988.0	30.1	705.0
1972.....	302.2	2,889.0	274.9	2,538.4	27.3	350.6
1967.....	299.8	2,106.5	275.9	1,881.3	23.9	225.2
1963.....	245.9	1,478.6	230.6	1,356.0	15.3	122.6
STANDARD METROPOLITAN STATISTICAL AREAS						
Duluth-Superior, Minn.-Wis.:						
1977.....	9.4	110.9	9.2	107.0	.2	3.9
1972.....	10.4	85.0	10.2	83.8	.2	1.2
1967.....	12.0	74.2	11.9	73.4	.1	.8
1963.....	11.5	60.6	11.5	60.3	(Z)	.3
Fargo-Moorhead, N. Dak.-Minn.:						
1977.....	5.1	63.9	4.9	60.9	.2	3.0
1972.....	3.5	27.9	3.5	27.9	-	-
1967.....	2.5	16.4	2.5	16.4	-	-
1963.....	2.3	11.7	2.3	11.7	-	-
Grand Forks, N. Dak.-Minn.:						
1977.....	2.5	31.4	2.5	31.4	-	-
1972.....	2.5	18.0	(NA)	(NA)	(NA)	(NA)
Minneapolis-St. Paul, Minn.-Wis.:						
1977.....	216.9	3,331.3	189.3	2,670.7	27.6	660.6
1972.....	199.0	2,048.0	173.9	1,718.3	25.1	329.7
1967.....	203.7	1,524.9	181.0	1,313.4	22.7	211.5
1963.....	163.8	1,056.0	149.6	940.8	14.2	115.1
Rochester:						
1977.....	8.8	146.1	8.8	146.1	-	-
1972.....	6.4	82.1	(D)	(D)	(D)	(D)
St. Cloud:						
1977.....	9.4	104.8	(D)	(D)	(D)	(D)
1972.....	7.0	55.5	(D)	(D)	(D)	(D)

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Defined in appendix B. Data for these establishments are included at the total manufacturing level in each table in this report. Data for these establishments are shown separately in tables 5 and 9 and included in State, SMSA, county, or city totals in other tables.

Table 2a. **Historical Statistics for the State and Selected Standard Metropolitan Statistical Areas:**
1977 and Earlier Years

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Establishments ²		All employees ²		Production workers							Comparative indexes and U.S. employment			
												United States			
	Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)	Value added by manu- facture (million dollars)	Cost of materials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)	Percent of U.S. manufac- turing employ- ment (per- cent)	Index of State em- ploy- ment change (1977= 100)	Index of manufac- turing employ- ment change (1977= 100)	U.S. manu- facturing employ- ment (1,000)
MINNESOTA															
1977 CENSUS.	6 637	2 126	331.7	4 693.0	211.1	403.8	2 413.1	9 605.2	13 598.6	23 021.2	576.4	1.69	100	100	19 596.9
1976 ASM....	(NA)	(NA)	305.5	3 892.8	197.9	380.9	2 127.5	8 473.0	12 147.3	20 439.5	494.9	1.63	92	96	18 753.0
1975 ASM....	(NA)	(NA)	320.9	3 781.0	196.6	371.6	1 941.4	7 386.9	11 094.6	18 646.4	487.6	1.75	97	94	18 302.2
1974 ASM....	(NA)	(NA)	334.7	3 579.9	216.7	415.7	1 963.9	7 640.2	10 869.4	18 221.7	488.7	1.69	101	102	19 844.8
1973 ASM....	(NA)	(NA)	323.5	3 203.0	208.0	400.7	1 749.0	6 704.1	8 796.4	15 279.0	330.5	1.63	98	102	19 897.9
1972 CENSUS.	5 698	1 930	302.2	2 889.0	196.1	382.8	1 555.1	5 523.8	7 443.4	12 901.3	305.5	1.59	91	98	19 028.7
1971 ASM....	(NA)	(NA)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	94	18 363.1
1970 ASM....	(NA)	(NA)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	99	19 217.2
1969 ASM....	(NA)	(NA)	323.3	2 544.2	209.1	421.3	1 397.9	4 942.7	6 451.1	11 336.8	306.2	1.61	97	103	20 035.5
1968 ASM....	(NA)	(NA)	306.9	2 286.2	204.5	411.3	1 290.5	4 581.8	5 802.2	10 335.9	258.6	1.57	93	100	19 527.6
1967 CENSUS.	5 409	1 778	299.8	2 106.5	198.8	398.7	1 177.6	4 080.2	5 449.1	9 443.2	231.3	1.55	90	99	19 323.2
1966 ASM....	(NA)	(NA)	281.2	1 893.1	190.6	385.7	1 098.6	3 823.6	5 004.3	8 702.4	210.5	1.48	85	98	19 024.5
1965 ASM....	(NA)	(NA)	258.6	1 672.0	173.0	351.2	970.5	3 394.4	4 442.2	7 721.3	160.1	1.44	78	92	18 010.2
1964 ASM....	(NA)	(NA)	252.0	1 599.6	166.2	338.3	904.3	3 043.9	4 221.1	7 248.1	167.3	1.46	76	89	17 268.5
1963 CENSUS.	5 500	1 587	245.9	1 478.6	165.6	331.6	865.4	2 806.1	(NA)	(NA)	159.1	1.45	74	87	16 958.4
MINNEAPOLIS-ST. PAUL; MINN.-WIS.; SMSA															
1977 CENSUS.	3 861	1 349	216.9	3 331.3	127.4	245.6	1 562.4	6 408.0	7 407.6	13 645.1	353.3	1.11	100	100	19 596.9
1976 ASM....	(NA)	(NA)	196.7	2 712.8	118.1	229.0	1 377.7	5 565.6	6 570.0	12 032.6	287.4	1.05	91	96	18 753.0
1975 ASM....	(NA)	(NA)	214.4	2 725.9	117.7	224.7	1 267.9	4 927.1	5 930.5	11 004.9	244.6	1.17	99	94	18 302.2
1974 ASM....	(NA)	(NA)	223.5	2 571.1	132.6	255.9	1 300.0	5 224.8	5 729.2	10 739.6	271.5	1.13	103	102	19 844.8
1973 ASM....	(NA)	(NA)	215.4	2 283.3	127.1	244.7	1 152.1	4 530.3	4 699.6	9 084.9	179.6	1.08	99	102	19 897.9
1972 CENSUS.	3 214	1 233	199.0	2 048.0	118.4	230.9	1 012.7	3 734.8	3 943.0	7 632.1	171.5	1.05	92	98	19 028.7
1971 ASM....	(NA)	(NA)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	94	18 363.1
1970 ASM....	(NA)	(NA)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	99	19 217.2
1969 ASM....	(NA)	(NA)	221.9	1 855.1	132.9	269.1	940.3	3 485.1	3 596.7	7 042.8	164.1	1.11	102	103	20 035.5
1968 ASM....	(NA)	(NA)	208.3	1 656.1	129.3	262.8	866.7	3 233.6	3 165.0	6 363.2	164.7	1.07	96	100	19 527.6
1967 CENSUS.	2 696	1 093	203.7	1 524.9	124.7	250.0	784.2	2 819.4	2 885.3	5 625.1	144.3	1.05	94	99	19 323.2
1966 ASM....	(NA)	(NA)	186.1	1 348.3	116.6	236.2	721.1	2 548.4	2 640.3	5 117.4	128.6	.98	86	98	19 024.5
1965 ASM....	(NA)	(NA)	170.5	1 178.2	105.2	212.6	633.6	2 315.5	2 365.5	4 576.9	88.0	.95	79	92	18 010.2
1964 ASM....	(NA)	(NA)	169.4	1 145.5	103.3	207.7	595.3	2 117.9	2 221.3	4 324.9	103.0	.98	78	89	17 268.5
1963 CENSUS.	2 666	1 008	163.8	1 056.0	102.9	205.2	573.5	1 956.9	(NA)	(NA)	73.9	.97	76	87	16 958.4

(NA) Not available. (S) Withheld because estimate did not meet publication standards.
¹In annual survey of manufactures (ASM) years, data are estimates based on a representative sample of establishments canvassed annually and may differ from results of a complete canvass of all establishments. ASM publication shows percentage standard errors. Unless otherwise noted, for data prior to 1963, see 1963 Census of Manufactures, vol. III, table 1 of State chapter.
²Including central administrative offices and auxiliaries (for definition, see appendix B).
³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 2b. Selected Operating Ratios for the State and Selected Standard Metropolitan Statistical Areas: 1977 and Earlier Years

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials as percent of value of shipments (percent)	Cost of materials and payroll as percent of value of shipments (percent)	Value added per employee (dollars)	Payroll as percent of value added (percent)	Value added per production worker hour (dollars)
MINNESOTA									
1977 CENSUS.....	14 147	64	1 913	5.98	59	79	28 956	49	23.79
1976 ASM.....	12 742	65	1 925	5.59	59	78	27 735	46	22.24
1975 ASM.....	11 782	61	1 890	5.22	59	80	23 019	51	19.88
1974 ASM.....	10 696	65	1 918	4.72	60	79	22 827	47	18.38
1973 ASM.....	9 901	64	1 926	4.36	58	79	20 724	48	16.73
1972 CENSUS.....	9 560	65	1 952	4.06	58	80	18 279	52	14.43
1971 ASM.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1970 ASM.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1969 ASM.....	7 869	65	2 015	3.32	57	79	15 288	51	11.73
1968 ASM.....	7 449	67	2 011	3.14	56	78	14 929	50	11.14
1967 CENSUS.....	7 026	66	2 006	2.95	58	80	13 610	52	10.23
1966 ASM.....	5 732	68	2 024	2.85	58	79	13 597	50	9.91
1965 ASM.....	6 466	67	2 030	2.76	58	79	13 126	49	9.67
1964 ASM.....	6 348	66	2 035	2.67	58	80	12 079	53	9.00
1963 CENSUS.....	6 013	67	2 002	2.61	(NA)	(NA)	11 412	53	8.46
MINNEAPOLIS-ST. PAUL, MINN.-WIS., SMSA									
1977 CENSUS.....	15 355	59	1 928	6.36	54	79	29 537	52	26.09
1976 ASM.....	13 792	60	1 939	6.02	55	77	28 295	49	24.30
1975 ASM.....	12 714	55	1 909	5.64	54	79	22 981	55	21.93
1974 ASM.....	11 504	59	1 930	5.08	53	77	23 377	49	20.42
1973 ASM.....	10 600	59	1 925	4.71	52	77	21 032	50	18.51
1972 CENSUS.....	10 291	59	1 950	4.39	52	78	18 768	55	16.17
1971 ASM.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1970 ASM.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1969 ASM.....	8 360	60	2 025	3.49	51	77	15 706	53	12.95
1968 ASM.....	7 951	62	2 032	3.30	50	76	15 524	51	12.30
1967 CENSUS.....	7 486	61	2 005	3.14	51	78	13 841	54	11.28
1966 ASM.....	7 245	63	2 026	3.05	52	78	13 694	53	10.79
1965 ASM.....	6 910	62	2 021	2.98	52	77	13 581	51	10.89
1964 ASM.....	6 762	61	2 011	2.87	51	78	12 502	54	10.20
1963 CENSUS.....	6 447	63	1 994	2.79	(NA)	(NA)	11 947	54	9.54

Note: For qualifications to data, see footnotes on table 2a.

(NA) Not available. (S) Withheld because estimate did not meet publication standards.

Table 3a. Summary Statistics for the State: 1977 and 1972

[For explanation of terms, see appendix B]

Item	Unit of measure	1977	1972
All establishments ¹	number	6 637	5 698
With 1 to 19 employees	do	4 511	3 768
With 20 to 99 employees	do	1 474	1 340
With 100 employees or more	do	652	590
All employees, average for year ¹	1,000	331.7	302.2
Payroll for year, all employees ¹	mil. dollars ..	4 693.0	2 889.0
Production workers:			
Average for year	1,000	211.1	196.1
March	do	200.8	184.4
May	do	206.2	189.6
August	do	223.5	209.7
November	do	213.1	200.9
Hours	millions	403.8	382.8
January to March	do	95.7	89.2
April to June	do	100.1	93.8
July to September	do	105.2	100.3
October to December	do	102.8	99.4
Wages	mil. dollars ..	2 413.1	1 555.1
Cost of materials, etc. ²	do	13 598.6	7 443.4
Materials, parts, containers, etc., consumed	do	12 079.3	6 826.7
Resales	do	906.1	342.7
Fuels consumed	do	194.0	62.8
Purchased electric energy	do	166.3	71.7
Contract work	do	252.8	139.5
Value of shipments, including resales ²	do	23 021.2	12 901.3
Value of resales	do	1 114.3	441.9
Value added by manufacture	do	9 605.2	5 523.8
Manufacturers' inventories:			
Beginning of year	do	2 791.8	1 557.9
Finished products	do	957.2	575.7
Work in process	do	811.1	417.9
Materials, supplies, fuel, etc.	do	1 023.6	564.4
End of year	do	3 037.5	1 652.4
Finished products	do	1 029.5	601.6
Work in process	do	928.0	445.6
Materials, supplies, fuel, etc.	do	1 080.0	605.2
Capital expenditures for plant and equipment	do	610.0	322.1
New capital expenditures	do	576.4	305.5
New buildings and other structures	do	112.4	74.1
New machinery and equipment	do	463.9	231.4
Used capital expenditures	do	33.6	16.6

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies.

¹Including central administrative offices and auxiliaries (for definition, see appendix B).

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 3b. Supplemental State Statistics Based on Sample Estimates: 1977

(For explanation of terms, see appendix B. For description of annual survey of manufactures (ASM), see appendix F)

Item	Amount (million dollars)	Standard error of estimate (percent)	Item	Amount (million dollars)	Standard error of estimate (percent)
Gross value of depreciable assets:			Rental payments:		
Total:			Total	136.7	4
Beginning of year	4,843.2	1	Buildings and other structures	62.6	5
New capital expenditures	630.0	1	Machinery and equipment	74.1	5
Used capital expenditures	39.7	14			
Retirements	150.1	3	Depreciation charges during 1977:		
End of year	5,362.7	1	Total	363.1	3
Buildings and other structures:			Buildings and other structures	74.1	4
Beginning of year	1,539.3	1	Machinery and equipment	288.9	3
New capital expenditures	112.5	5			
Used capital expenditures	(10.4)	16	Supplemental labor costs:		
Retirements	22.2	13	Total	720.7	1
End of year	1,639.9	1	Legal costs	333.6	2
Machinery and equipment:			Voluntary costs	387.1	1
Beginning of year	3,304.0	1			
New capital expenditures	517.5	4	Purchased services:		
Automobiles, trucks, etc., for highway use...	25.1	(NA)	Cost of purchased services for the repair of--		
Computers and peripheral data processing equip.	22.3	(NA)	Buildings and other structures	33.3	6
All other	369.8	(NA)	Response coverage ratio (percent)	61	(X)
New machinery and equipment, n.s.k.	100.3	(NA)	Machinery	(95.7)	(A)
Used capital expenditures	(29.3)	18	Response coverage ratio (percent)	61	(X)
Retirements	128.0	3	Cost of purchased communication services	(50.8)	58
End of year	3,722.9	1	Response coverage ratio (percent)	60	(X)

Note: Expenditures data, shown in tables 2a, 3a, and 4-8, are census universe figures and may differ from ASM sample estimates shown in this table. Table 3b figures represent best estimate of year-to-year change as measured by continuing ASM sample, but are subject to sampling errors. Hence, as estimates of level, they are not as reliable as universe figures.

(A) Indicates standard errors of 100 percent or more. Figures in parentheses have standard errors of 15 percent or more.

(NA) Not available. n.s.k. Not specified by kind. (X) Not applicable.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area		1977											1972	
		All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)						
Minnesota -----	-	6 637	2 126	331.7	4 693.0	211.1	403.8	2 413.1	9 605.2	13 598.6	23 021.2	576.4	302.2	5 523.8
STANDARD METROPOLITAN STATISTICAL AREAS														
Duluth-Superior, Minn.-Wis. -----	-	299	79	9.4	110.9	6.7	12.7	70.6	260.2	483.4	735.6	(D)	10.4	165.5
Portion in Wisconsin -----	-	49	12	1.0	12.5	0.8	1.4	8.7	54.6	210.6	258.3	5.2	1.6	36.7
Portion in Minnesota -----	-	250	67	8.3	98.4	5.9	11.3	62.0	205.6	272.7	477.3	(D)	8.8	128.8
Fargo-Moorhead, N. Dak.-Minn. -----	-	143	45	5.1	63.9	3.5	6.9	39.6	125.8	278.9	404.5	25.8	3.5	61.3
Portion in Minnesota -----	-	39	8	1.3	17.0	0.8	1.7	10.1	30.3	56.5	85.8	(D)	1.2	22.1
Portion in North Dakota -----	-	104	37	3.8	46.9	2.7	5.2	29.6	95.5	222.5	318.7	(D)	2.3	39.1
Grand Forks, N. Dak.-Minn. -----	-	93	24	2.5	31.4	1.8	3.8	21.6	88.6	156.1	235.0	7.9	2.5	38.1
Portion in Minnesota -----	-	46	10	1.3	17.3	1.1	2.4	13.6	43.5	95.0	130.5	(D)	1.1	18.9
Portion in North Dakota -----	-	47	14	1.2	14.0	0.8	1.5	8.0	45.0	61.1	104.6	(D)	1.4	19.2
Minneapolis-St. Paul, Minn.-Wis. -----	-	3 861	1 349	216.9	3 331.3	127.4	245.6	1 562.4	6 408.0	7 407.6	13 645.1	353.3	199.0	3 734.8
Portion in Wisconsin -----	-	63	23	2.1	24.9	1.5	3.1	15.4	67.6	76.8	142.4	3.1	1.8	38.1
Portion in Minnesota -----	-	3 798	1 326	214.8	3 306.4	125.9	242.6	1 547.0	6 340.4	7 330.8	13 502.6	350.3	197.2	3 696.6
Rochester -----	-	78	24	8.8	146.1	3.7	7.4	42.8	184.9	399.1	561.7	31.9	6.4	103.0
St. Cloud -----	-	229	67	9.4	104.8	7.0	13.0	69.3	248.1	477.3	727.6	14.3	7.0	122.7
COUNTIES														
Aitkin -----	E7	34	4	0.4	3.5	0.3	0.6	2.2	5.5	21.4	26.8	0.3	0.3	3.2
Anoka -----	-	274	73	16.6	241.0	11.6	21.9	146.7	529.5	489.9	956.4	33.2	12.3	251.0
Becker -----	-	33	7	1.3	10.8	1.1	1.7	8.0	28.9	53.3	83.4	3.6	0.7	12.9
Beltrami -----	E1	48	6	0.4	4.0	0.3	0.6	2.7	9.3	9.7	19.0	(D)	0.4	6.5
Benton -----	E1	48	14	1.7	16.4	1.4	2.5	10.3	32.9	35.8	69.1	4.2	1.6	25.8
Big Stone -----	-	6	2	0.1	1.3	0.1	0.2	0.8	1.7	3.4	5.1	0.1	0.2	1.1
Blue Earth -----	-	77	32	3.5	46.9	2.3	4.5	27.6	140.7	415.5	560.7	6.2	3.9	59.6
Brown -----	-	53	24	3.4	37.5	2.6	5.1	26.5	156.4	410.1	573.6	1.8	2.7	77.5
Carlton -----	-	36	12	2.8	40.0	2.2	4.5	30.1	77.7	204.9	280.6	(D)	3.2	57.6
Carver -----	-	65	24	2.1	27.0	1.3	2.7	12.0	58.1	101.1	156.8	5.5	1.6	26.2
Cass -----	-	40	3	0.4	4.2	0.3	0.7	3.1	11.3	15.1	26.0	1.1	0.3	4.2
Chippewa -----	-	27	5	0.4	4.2	0.3	0.6	2.5	8.4	13.3	21.4	0.3	0.3	3.6
Chisago -----	E1	41	8	1.0	8.8	0.9	1.5	6.7	18.0	27.4	45.5	2.0	0.7	12.3
Clay -----	-	39	8	1.3	17.0	0.8	1.7	10.1	30.3	56.5	85.8	(D)	1.2	22.1
Clearwater -----	E2	18	4	0.2	1.8	0.2	0.3	1.5	3.8	5.6	9.7	0.5	0.2	1.2
Cook -----	E4	21	1	0.1	1.0	0.1	0.1	0.8	1.8	2.0	3.8	0.3	0.1	1.3
Cottonwood -----	-	19	8	1.0	10.0	0.8	1.5	7.7	45.7	134.1	186.6	1.1	(D)	(D)
Crow Wing -----	-	60	16	1.6	21.2	1.2	2.5	15.2	52.6	64.0	121.9	5.1	1.7	25.1
Dakota -----	-	224	93	15.1	220.9	9.0	18.2	116.8	388.8	649.8	1 053.6	24.7	9.1	148.1
Dodge -----	E1	19	3	0.2	1.6	0.1	0.2	1.0	3.4	8.4	11.9	(D)	0.2	3.9
Douglas -----	-	44	10	0.9	10.6	0.7	1.3	7.1	52.8	98.9	149.5	2.1	0.8	14.9
Faribault -----	-	37	15	1.6	13.9	1.4	2.4	10.3	41.1	43.2	83.8	2.1	1.4	24.2
Fillmore -----	-	32	9	0.7	5.5	0.6	1.1	4.0	13.3	48.2	61.4	1.0	0.5	5.8
Freeborn -----	-	55	21	4.0	52.4	2.9	6.1	36.0	117.8	423.7	541.7	4.8	4.4	82.8
Goodhue -----	-	64	27	4.1	46.6	3.2	5.9	31.0	102.6	250.3	352.0	4.6	3.7	62.9
Grant -----	E5	10	-	(Z)	0.2	(Z)	(Z)	0.1	0.7	1.2	1.9	0.1	(D)	(D)
Hennepin -----	-	2 200	770	107.8	1 576.9	61.6	118.7	716.7	2 792.3	2 450.8	5 180.7	138.6	100.2	1 669.8
Houston -----	-	33	5	0.5	4.7	0.4	0.8	3.4	11.9	16.6	28.2	0.6	0.3	4.4
Hubbard -----	E3	30	3	0.2	1.7	0.2	0.3	1.2	3.4	2.8	6.2	0.2	0.2	2.5
Isanti -----	-	33	13	0.9	9.3	0.7	1.5	6.5	22.9	36.9	60.0	1.2	0.5	7.9
Itasca -----	-	73	8	1.7	26.3	1.4	2.6	19.6	72.6	92.1	165.0	3.1	1.4	25.4
Jackson -----	-	14	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	2.1
Kanabec -----	-	12	4	0.5	5.2	0.4	0.8	3.5	11.1	16.8	27.8	(D)	0.4	6.5
Kandiyohi -----	-	43	13	2.1	17.0	1.7	3.1	11.0	32.2	93.1	125.5	1.8	1.6	28.2
Kittson -----	-	9	1	0.1	1.1	0.1	0.2	0.9	3.4	3.5	6.9	0.1	0.2	2.9
Koochiching -----	-	67	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Lac Qui Parle -----	-	13	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Lake -----	E1	18	4	0.3	3.5	0.2	0.4	2.5	6.2	9.7	15.9	0.7	0.3	4.5
Lake of the Woods -----	E1	9	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.1	1.9
Le Sueur -----	-	44	18	2.0	21.6	1.4	2.6	12.0	66.0	87.5	153.9	5.5	2.3	34.5
Lincoln -----	E6	11	-	(Z)	0.4	(Z)	(Z)	0.2	1.0	1.1	2.2	0.1	(Z)	(NA)
Lyon -----	-	36	15	1.7	17.2	1.2	2.2	8.7	52.1	61.3	113.1	1.9	1.3	23.9
McLeod -----	-	55	25	4.8	56.4	3.8	7.0	38.5	300.9	199.0	497.5	6.1	4.3	167.7
Mahnomen -----	E3	10	1	(Z)	0.3	(Z)	0.1	0.2	0.8	1.3	2.1	(Z)	(D)	(D)
Marshall -----	E7	13	-	(Z)	0.4	(Z)	(Z)	0.3	1.1	1.8	2.9	0.1	(Z)	(NA)
Martin -----	-	34	11	1.9	20.6	1.5	3.0	15.0	41.6	43.2	83.4	1.3	1.6	37.4
Meeker -----	-	37	9	0.8	8.8	0.6	1.2	5.7	19.0	85.0	104.6	1.7	0.7	8.2
Mille Lacs -----	-	37	15	1.4	11.4	1.1	2.1	8.5	22.9	31.1	53.4	0.9	1.1	12.4
Morrison -----	E2	42	10	1.3	12.3	1.1	2.1	9.0	29.3	41.8	71.6	1.4	1.6	17.0
Mower -----	-	33	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Murray -----	E1	10	2	0.2	1.2	0.1	0.3	0.7	1.7	2.8	4.6	(Z)	(D)	(D)
Nicollet -----	E1	37	12	2.4	18.7	1.8	2.8	11.5	44.6	24.4	68.6	4.1	0.6	9.4
Nobles -----	-	27	9	1.5	16.3	1.3	2.4	12.5	31.4	121.8	152.0	1.8	1.4	15.8
Norman -----	E7	7	-	(Z)	0.4	(Z)	(Z)	0.2	0.9	1.2	2.0	(Z)	0.1	1.3
Olmsted -----	-	78	24	8.8	146.1	3.7	7.4	42.8	184.9	399.1	561.7	31.9	6.4	103.0
Otter Tail -----	-	69	18	1.4	13.2	1.0	1.8	8.3	31.7	134.1	166.4	1.1	1.5	18.9
Pennington -----	-	25	8	1.3	14.5	0.9	1.6	9.0	32.0	82.3	115.4	1.0	(D)	(D)
Pine -----	-	20	6	0.3	3.3	0.2	0.5	2.3	8.4	23.0	31.4	0.3	0.4	7.0
Pipestone -----	-	20	5	0.6	4.9	0.5	0.9	3.3	10.7	16.8	27.1	0.5	0.2	3.5
Polk -----	-	46	10	1.3	17.3	1.1	2.4	13.6	43.5	95.0	130.5	(D)	1.1	18.9
Pope -----	E8	16	2	0.2	2.9	0.2	0.3	1.6	6.2	5.6	11.8	0.7	0.1	2.0
Ramsey -----	-	761	287	61.7	1 083.2	33.5	65.1	446.2	2 147.1	2 765.2	4 838.3	128.8	64.3	1 368.7
Red Lake -----	E1	8	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.3	5.1
Redwood -----	-	35	7	0.7	7.1	0.6	1.0	4.2	15.0	28.8	42.8	0.5	0.5	10.5
Renville -----	-	25	7	0.6	4.4									

See footnotes at end of table.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area	1977											1972		
	E ¹	All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)						
COUNTIES—Con.														
Roseau	-	24	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.5	18.9
St. Louis	-	250	67	8.3	98.4	5.9	11.3	62.0	205.6	272.7	477.3	(D)	8.8	128.8
Scott	-	59	20	2.6	37.0	1.8	3.7	24.0	121.6	186.1	321.9	6.4	2.5	56.6
Sherburne	E1	37	8	0.5	6.2	0.4	0.8	4.3	12.0	7.9	19.7	1.1	0.2	3.6
Sibley	-	20	7	0.5	4.1	0.5	0.8	3.5	15.7	29.4	44.2	0.6	0.6	11.0
Stearns	-	144	45	7.2	82.3	5.2	9.8	54.6	203.2	433.6	638.8	9.1	5.2	93.3
Steele	-	57	29	4.5	51.1	2.9	5.8	28.7	104.3	114.4	216.1	5.3	3.1	49.4
Stevens	E2	12	2	0.2	2.9	0.1	0.3	1.8	7.1	5.1	11.9	0.3	0.2	3.0
Swift	-	20	3	0.5	4.3	0.4	0.7	3.3	14.1	15.0	28.8	0.7	0.7	6.7
Todd	-	34	9	0.9	9.8	0.7	1.5	7.4	21.8	90.5	112.5	1.7	0.6	9.5
Traverse	E4	3	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Wabasha	-	34	9	1.2	14.4	0.9	2.1	10.2	43.0	67.6	109.8	1.2	1.2	20.2
Wadena	E2	26	4	0.6	4.3	0.4	0.7	3.0	9.5	14.8	24.1	1.0	0.4	4.4
Waseca	-	24	8	3.6	36.9	2.9	5.6	25.8	75.1	69.7	152.3	(D)	2.5	41.0
Washington	-	100	26	6.2	96.4	4.7	8.4	67.4	245.3	609.0	859.7	9.0	5.1	149.9
Watsonwan	-	22	7	1.1	9.4	0.9	1.8	6.8	19.3	27.3	46.5	(D)	2.2	29.5
Wilkin	-	3	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(Z)	(NA)
Winona	-	93	45	5.2	57.4	3.9	7.5	35.0	113.1	165.2	278.0	9.9	5.6	79.3
Wright	-	74	25	1.8	15.2	1.4	2.4	10.4	39.5	51.5	89.8	2.0	1.3	14.0
Yellow Medicine	-	18	5	0.5	5.6	0.4	0.8	4.2	15.2	31.4	46.8	0.7	(D)	(D)
CITIES														
Albert Lea	-	39	20	3.9	51.1	2.8	5.9	35.2	115.1	417.3	532.5	4.5	4.1	79.3
Alexandria	-	26	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.6	10.6
Anoka	-	24	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.7	31.2
Arden Hills	-	22	15	1.7	24.1	1.0	1.9	12.2	42.0	91.4	133.2	1.9	(D)	(D)
Austin	-	23	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Bayport	-	4	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Benson	-	12	3	0.5	4.0	0.4	0.7	3.1	13.0	13.3	25.9	0.7	(D)	(D)
Blaine	-	25	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Bloomington	-	204	67	13.2	189.2	7.1	13.6	78.8	359.2	301.6	643.2	15.0	14.4	231.7
Blue Earth	-	11	5	0.8	6.0	0.6	0.9	3.9	27.2	22.4	49.5	(D)	0.6	14.1
Brainerd	-	38	10	1.2	16.2	1.0	1.9	12.4	39.4	51.9	90.5	3.0	1.2	15.4
Brooklyn Center	-	41	13	0.9	11.2	0.7	1.2	6.7	22.8	22.6	44.4	1.8	0.7	10.6
Brooklyn Park	-	36	5	0.5	7.9	0.3	0.6	4.1	18.8	22.7	40.3	0.8	(NA)	(NA)
Burnsville	-	47	8	0.6	7.3	0.3	0.5	2.5	16.3	17.6	33.7	2.0	(NA)	(NA)
Cambridge	-	15	7	0.5	5.2	0.4	0.9	3.6	15.1	14.0	28.9	0.6	(NA)	(NA)
Chanhassen	-	5	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.9	9.8
Chaska	E1	36	16	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Cloquet	-	17	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Columbia Heights	-	39	11	1.3	17.6	1.0	2.0	12.0	55.1	76.9	124.9	1.8	0.8	21.4
Coon Rapids	-	21	6	0.5	8.1	0.4	0.8	4.8	11.8	10.2	21.9	2.8	(NA)	(NA)
Cottage Grove	-	4	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Crookston	-	19	7	0.8	10.0	0.6	1.2	7.4	26.1	42.1	67.3	1.4	0.5	7.6
Crystal	E1	39	8	0.8	9.5	0.6	1.1	5.7	19.8	15.2	35.0	0.9	0.7	12.5
Detroit Lakes	E1	18	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.6	8.4
Duluth	-	107	37	6.0	73.7	4.0	8.1	44.8	151.9	214.9	364.9	9.4	6.4	95.4
Eagan	-	35	20	6.5	104.9	3.2	6.8	43.0	176.2	149.7	327.2	9.7	(NA)	(NA)
Eden Prairie	-	47	23	4.0	53.2	2.3	4.3	25.2	134.0	82.7	204.4	4.5	2.3	50.0
Edina	-	109	32	5.3	75.5	2.3	4.5	25.8	127.7	95.5	219.2	7.9	3.3	46.2
Fairmont	-	20	9	1.7	18.6	1.4	2.7	13.5	37.0	41.9	77.6	1.2	1.5	36.6
Faribault	-	27	17	1.8	18.4	1.5	2.6	13.7	52.6	89.4	141.5	1.9	1.6	24.4
Fergus Falls	-	29	10	0.6	6.3	0.4	0.8	3.6	13.3	57.3	71.0	0.4	0.8	9.3
Fridley	-	107	39	10.0	151.5	6.5	12.0	84.5	334.6	294.8	574.4	23.6	7.7	159.0
Glencoe	E1	12	6	1.3	10.5	1.1	2.0	8.3	62.7	52.2	114.2	1.9	1.4	27.0
Golden Valley	-	79	40	8.1	142.7	3.0	5.9	35.6	141.8	98.3	237.3	7.5	4.3	80.3
Grand Rapids	-	20	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Hastings	-	14	6	1.5	16.1	1.2	2.4	11.8	38.0	58.5	97.1	3.1	1.2	18.4
Hibbing	-	24	8	0.6	7.2	0.5	0.8	4.8	15.2	13.1	28.2	1.0	(NA)	(NA)
Hopkins	-	67	25	5.1	86.4	2.8	5.7	36.9	133.4	165.7	300.3	8.8	2.7	47.8
Hutchinson	-	19	8	0.6	6.4	0.4	0.7	4.0	12.4	6.5	18.9	1.0	(D)	(D)
International Falls	-	17	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Jackson	-	9	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Lake City	-	16	5	1.0	11.6	0.7	1.4	8.0	26.4	37.3	63.1	0.5	0.8	13.9
Lakeville	E1	64	15	1.1	11.8	0.9	1.7	8.2	30.9	29.8	59.9	1.8	(NA)	(NA)
Le Sueur	-	13	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Litchfield	-	17	7	0.6	7.0	0.5	0.9	4.5	14.4	63.1	77.0	1.0	0.5	5.9
Little Canada	-	12	5	0.7	10.3	0.4	0.8	4.2	22.0	13.5	37.3	(D)	(NA)	(NA)
Little Falls	E1	22	9	1.2	11.2	1.0	1.9	8.3	25.5	27.4	53.4	1.1	1.5	15.8
Luverne	-	13	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Mankato	-	53	27	2.9	39.7	1.9	3.7	23.5	126.1	395.8	526.9	4.9	3.3	50.3
Maple Grove	-	23	8	0.7	9.3	0.6	1.2	7.1	18.3	21.3	40.4	1.4	(NA)	(NA)
Maplewood	-	18	7	10.6	320.9	0.3	0.7	4.0	9.8	12.8	23.2	0.7	0.6	11.1
Marshall	-	22	11	1.5	15.2	1.0	2.0	7.6	47.8	57.2	104.6	1.8	1.2	22.5
Mendota Heights	-	9	6	0.5	7.4	0.1	0.2	0.9	3.3	2.2	5.5	0.1	(NA)	(NA)
Minneapolis	-	1 046	389	52.0	759.1	30.6	59.1	370.6	1 318.4	1 270.3	2 574.0	60.6	57.9	958.3
Minnetonka	E2	76	21	2.1	35.0	0.9	1.7	9.7	35.5	30.0	63.5	3.1	(NA)	(NA)
Moorhead	-	25	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Mora	-	11	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Mound	-	8	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
New Brighton	-	45	15	1.3	19.7	0.7	1.8	9.7	39.6	41.5	80.5	(D)	1.2	32.3
New Hope	-	48	25	1.6	21.3	1.2	2.3	13.5	41.1	28.7	69.5	3.5	1.2	20.9
New Ulm	-	34	18	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.2	69.3

See footnotes at end of table.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area	E ¹	1977											1972	
		All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)						
CITIES—Con.														
Northfield -----	-	19	4	0.8	9.8	0.6	1.2	4.3	23.3	14.3	37.0	(D)	(NA)	(NA)
North Mankato -----	-	11	5	1.8	12.5	1.4	1.9	7.2	34.4	14.3	48.7	3.5	(NA)	(NA)
Owatonna -----	-	42	25	3.7	43.2	2.4	4.9	24.5	85.2	86.4	170.5	(D)	2.3	38.0
Pipestone -----	-	14	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Plymouth -----	-	60	33	4.6	63.3	2.8	5.4	31.2	183.7	125.1	304.1	5.2	2.1	34.3
Princeton -----	-	16	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	6.0
Red Wing -----	-	27	14	2.7	34.1	2.1	4.0	22.7	75.8	151.7	227.6	2.9	2.9	50.3
Redwood Falls -----	-	16	6	0.6	6.2	0.5	0.9	3.5	11.6	20.1	31.1	0.2	(NA)	(NA)
Rochester -----	-	61	22	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	6.3	99.8
Rosemount -----	-	15	5	0.7	9.4	0.6	1.2	7.3	29.2	26.7	56.1	2.4	(NA)	(NA)
Roseville -----	-	71	28	7.8	116.1	4.4	8.7	54.7	425.9	177.1	594.0	13.2	5.9	202.7
St. Anthony -----	-	15	6	0.5	6.2	0.4	0.8	3.5	10.7	8.8	19.1	0.4	2.1	41.6
St. Cloud -----	-	77	27	3.9	43.2	2.8	4.9	26.7	109.3	259.4	373.2	5.8	3.8	60.3
St. James -----	-	11	3	0.5	4.8	0.4	0.8	3.2	9.9	9.9	19.8	0.2	0.5	4.1
St. Louis Park -----	-	153	49	4.2	58.0	3.1	6.2	34.0	116.9	85.5	202.3	7.5	3.7	76.3
St. Paul -----	-	505	183	36.9	554.3	25.0	48.0	344.7	1 543.4	2 360.0	3 838.2	71.3	50.6	1 057.4
St. Peter -----	E3	16	6	0.5	5.5	0.4	0.8	3.9	9.3	9.0	18.0	0.4	(NA)	(NA)
Sartell -----	-	2	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Sauk Rapids -----	E2	17	4	1.0	7.6	0.9	1.5	5.2	14.9	12.6	28.1	0.9	0.5	5.3
Savage -----	-	10	4	0.9	14.4	0.6	1.3	9.8	41.5	83.1	138.4	(D)	1.2	27.4
Shakopee -----	-	20	11	0.9	11.7	0.5	1.0	6.2	45.5	74.2	120.3	3.5	0.9	19.9
Shoreview -----	-	20	10	1.1	17.2	0.5	1.1	6.1	23.1	16.5	38.7	1.0	(NA)	(NA)
South St. Paul -----	-	23	11	2.3	43.2	1.8	3.7	33.9	65.3	317.2	395.8	3.0	(D)	(D)
Thief River Falls -----	-	23	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Virginia -----	E1	21	8	0.7	6.2	0.5	0.8	4.2	12.2	10.3	22.5	0.6	0.7	8.0
Waseca -----	-	16	7	3.6	36.6	2.8	5.5	25.6	74.1	67.1	148.6	(D)	2.3	37.4
West St. Paul -----	-	21	10	0.7	9.7	0.5	0.9	5.4	18.9	22.2	41.1	0.8	0.5	8.6
Willmar -----	-	26	10	1.9	14.0	1.5	2.7	9.2	25.7	80.7	106.8	1.5	1.3	23.4
Windom -----	-	10	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Winona -----	-	73	39	4.5	50.8	3.3	6.5	31.1	97.6	126.7	225.3	9.1	5.0	73.7
Worthington -----	-	17	7	1.5	15.6	1.2	2.3	12.0	30.0	120.1	148.9	1.7	(D)	(D)

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Including central administrative offices and auxiliaries (for definition, see appendix B).

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
20	All industries -----	-	6 637	2 126	331.7	4 693.0	211.1	403.8	2 413.1	9 605.2	13 598.6	23 021.2	576.4	302.2	5 523.8
	Food and kindred products -----	-	691	309	42.7	530.6	31.9	62.1	362.8	1 465.8	5 329.4	6 806.4	113.5	45.6	923.3
201	Meat products -----	-	84	47	14.6	195.4	11.7	21.5	147.6	333.3	1 662.4	1 990.9	12.7	15.5	247.1
2011	Meat packing plants -----	-	35	15	8.1	143.5	6.0	11.3	106.5	227.3	1 303.8	1 525.7	6.6	9.8	186.1
2013	Sausages and other prepared meats -----	-	21	10	1.3	14.5	1.0	1.7	9.8	28.5	97.4	124.8	2.2	0.7	8.8
2016	Poultry dressing plants -----	-	13	12	3.2	21.2	2.9	5.2	17.4	46.2	160.7	210.0	1.6	EE	(D)
2017	Poultry and egg processing -----	-	15	10	2.0	16.2	1.8	3.3	13.9	31.2	100.5	130.4	2.4	FF	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
20	Food and kindred products—Con.														
202	Dairy products -----	-	205	72	7.0	87.5	5.0	10.5	56.3	264.9	1 635.2	1 898.1	19.6	7.6	150.5
2021	Creamery butter -----	-	25	6	0.6	6.7	0.5	1.1	5.7	18.2	238.6	257.5	(D)	1.1	24.0
2022	Cheese, natural and processed -----	-	29	22	2.8	31.5	2.4	5.1	27.2	125.8	806.0	929.1	5.4	1.6	34.1
2023	Condensed and evaporated milk -----	E1	24	16	1.0	13.7	0.7	1.5	8.3	38.2	185.1	223.0	4.5	0.7	16.3
2024	Ice cream and frozen desserts -----	E2	9	4	0.4	4.7	0.3	0.6	2.0	22.5	35.0	57.5	(D)	0.5	12.4
2026	Fluid milk -----	-	118	24	2.3	31.1	1.0	2.1	13.0	60.2	370.5	430.9	6.7	3.6	63.7
203	Preserved fruits and vegetables -----	-	56	35	6.7	53.8	6.0	11.1	43.9	242.7	272.0	514.1	18.0	7.6	135.5
2033	Canned fruits and vegetables -----	-	24	20	3.1	21.4	2.8	4.8	18.1	129.0	115.2	244.2	5.5	3.7	63.0
2035	Pickles, sauces, and salad dressings -----	-	7	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2037	Frozen fruits and vegetables -----	-	5	4	0.9	9.2	0.8	1.8	8.2	8.5	35.6	44.1	(D)	1.2	23.5
2038	Frozen specialties -----	-	17	10	2.5	21.1	2.2	4.2	16.4	101.3	114.3	215.0	11.9	1.9	27.5
204	Grain mill products -----	-	118	44	3.3	44.6	2.3	4.7	28.4	157.8	501.5	661.7	12.9	3.1	98.4
2041	Flour and other grain mill products -----	-	22	15	1.1	17.3	0.9	1.9	13.0	61.1	256.1	318.4	8.6	1.0	34.6
2043	Cereal breakfast foods -----	-	6	5	0.4	5.2	0.4	0.7	4.3	35.7	26.0	62.6	(D)	BB	(D)
2047	Dog, cat, and other pet food -----	-	10	4	0.3	3.9	0.3	0.6	2.7	15.4	19.3	34.3	0.8	(NA)	(NA)
2048	Prepared feeds, n.e.c. -----	-	69	19	1.3	17.1	0.6	1.3	7.5	42.5	193.8	236.9	1.8	1.5	38.2
205	Bakery products -----	-	65	27	2.6	34.0	1.6	3.2	18.8	72.4	55.7	127.3	2.6	3.0	51.2
2051	Bread, cake, and related products -----	-	61	25	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
2052	Cookies and crackers -----	-	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
206	Sugar and confectionery products -----	-	14	9	2.0	26.1	1.8	3.8	21.4	72.1	145.7	208.9	(D)	1.7	38.0
2063	Beet sugar -----	-	4	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2065	Confectionery products -----	-	10	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
207	Fats and oils -----	-	27	16	1.2	18.9	0.9	1.9	12.5	103.0	709.1	835.9	12.5	1.1	37.6
2075	Soybean oil mills -----	-	7	5	0.6	9.3	0.3	0.7	5.5	64.6	515.2	605.4	6.4	BB	(D)
2076	Vegetable oil mills, n.e.c. -----	-	5	3	0.2	3.9	0.2	0.4	2.9	20.1	133.7	153.0	(D)	BB	(D)
2077	Animal and marine fats and oils -----	-	14	7	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	7.9
208	Beverages -----	-	64	38	3.7	53.8	1.9	3.8	26.2	163.2	278.2	443.1	28.0	4.4	127.9
2082	Malt beverages -----	-	5	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.8	73.7
2083	Malt -----	-	8	5	0.3	5.3	0.2	0.5	3.8	21.1	79.4	102.3	(D)	BB	(D)
2086	Bottled and canned soft drinks -----	-	48	29	2.4	32.8	0.8	1.9	9.7	85.5	105.2	189.9	7.1	EE	(D)
209	Miscellaneous foods and kindred products -----	-	58	21	1.4	16.5	0.9	1.7	7.8	56.5	69.6	126.5	(D)	1.5	36.9
2095	Roasted coffee -----	-	5	3	0.2	1.9	0.1	0.1	0.6	8.7	15.4	24.5	(D)	(NA)	(NA)
2098	Macaroni and spaghetti -----	-	5	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2099	Food preparations, n.e.c. -----	-	31	10	0.7	8.7	0.5	0.8	3.9	23.5	30.3	53.9	1.0	1.1	25.2
22	Textile mill products --	E1	24	15	2.5	20.9	2.1	3.9	15.3	33.3	59.9	93.0	2.3	2.1	30.9
2231	Weaving and finishing mills, wool -----	-	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
225	Knitting mills -----	-	8	7	1.6	11.9	1.4	2.5	9.2	14.1	40.5	54.8	1.6	1.5	10.8
2253	Knit outerwear mills -----	-	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2257	Circular knit fabric mills -----	-	4	4	0.9	7.8	0.8	1.5	5.8	7.7	35.6	43.6	(D)	CC	(D)
229	Miscellaneous textile goods -----	E2	8	4	0.4	4.8	0.3	0.6	3.2	11.5	11.0	22.4	0.2	BB	(D)
2297	Nonwoven fabrics -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
23	Apparel and other textile products -----	-	176	71	5.7	41.0	5.0	8.1	29.7	98.8	85.8	184.7	2.0	6.9	65.6
2311	Men's and boys' suits and coats -----	-	12	10	0.7	5.9	0.6	1.0	4.1	10.1	9.2	19.9	(D)	CC	(D)
232	Men's and boys' furnishings -----	-	26	18	1.8	12.4	1.7	2.9	10.8	33.9	26.5	60.7	(D)	2.5	28.5
2321	Men's and boys' shirts and nightwear -----	-	7	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.9	10.3
2329	Men's and boys' clothing, n.e.c. -----	-	15	11	0.9	6.5	0.8	1.3	5.4	13.4	7.4	21.0	0.2	1.1	12.6
233	Women's and misses' outerwear -----	-	38	16	1.2	7.4	1.0	1.6	5.8	25.4	12.4	38.0	(D)	1.1	8.8
2337	Women's and misses' suits and coats -----	-	13	9	0.8	5.4	0.7	1.0	4.2	21.5	10.1	31.8	(D)	0.7	6.2
2339	Women's and misses' outerwear, n.e.c. -----	E4	8	5	0.3	1.5	0.2	0.4	1.2	2.9	1.9	4.8	(Z)	(NA)	(NA)
234	Women's and children's undergarments -----	E2	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2341	Women's and children's underwear -----	E2	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
235	Hats, caps, and millinery -----	E3	8	3	0.2	1.6	0.2	0.3	0.9	2.7	4.7	7.1	(D)	AA	(D)
2352	Hats and caps, except millinery -----	E3	7	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

Includes industry groups and industries with 100 employees or more. For explanation of terms, see appendix B.															
SIC code	Industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
23	Apparel and other textile products—Con.														
236	Children's outerwear -----	-	5	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2363	Children's coats and suits ---	-	4	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
239	Miscellaneous fabricated textile products -----	E1	81	18	1.2	10.2	1.0	1.7	5.8	20.4	21.8	42.2	(D)	1.4	9.0
2391	Curtains and draperies -----	-	26	5	0.3	2.7	0.3	0.4	1.4	5.8	5.0	10.8	0.1	0.3	2.4
2392	House furnishings, n.e.c. -----	-	11	8	0.4	3.4	0.4	0.6	2.3	7.4	9.0	16.3	0.3	0.6	3.6
2394	Canvas and related products -----	E1	16	2	0.2	1.6	0.2	0.3	0.9	2.8	2.6	5.4	0.1	0.2	1.4
24	Lumber and wood products -----	-	591	104	12.8	157.6	10.5	19.0	115.9	333.4	504.0	844.3	22.9	9.2	143.5
2411	Logging camps and logging contractors -----	E2	227	8	0.9	10.1	0.7	1.2	7.1	23.4	58.5	81.6	3.9	0.9	9.0
242	Sawmills and planing mills ----	E1	114	18	1.2	10.0	1.0	1.9	7.9	21.1	29.3	50.2	2.6	1.0	12.3
2421	Sawmills and planing mills, general -----	E1	104	14	0.9	8.1	0.8	1.6	6.7	17.8	23.3	41.1	(D)	0.9	10.7
2426	Hardwood dimension and flooring -----	-	9	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
243	Millwork, plywood, and structural members -----	-	121	36	6.4	84.8	5.4	9.4	65.6	168.1	249.5	423.3	7.9	4.3	74.5
2431	Millwork -----	-	37	16	4.4	65.2	3.7	6.3	51.1	132.4	210.0	348.3	6.6	2.8	57.1
2434	Wood kitchen cabinets -----	E2	70	12	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.0	11.6
2439	Structural wood members, n.e.c. -----	-	12	6	0.5	5.0	0.4	0.8	3.7	8.6	14.3	22.7	0.3	BB	(D)
244	Wood containers -----	-	26	5	0.4	3.3	0.3	0.6	2.6	5.2	13.5	18.7	0.5	0.4	3.0
2448	Wood pallets and skids -----	-	15	3	0.3	2.4	0.2	0.4	1.9	4.0	12.1	16.1	0.4	(NA)	(NA)
245	Wood buildings and mobile homes -----	-	29	17	1.6	18.5	1.0	1.9	9.2	47.4	85.3	132.6	1.5	1.2	24.7
2451	Mobile homes -----	-	14	9	0.8	8.3	0.7	1.2	5.5	16.0	36.6	52.7	0.2	1.0	16.5
2452	Prefabricated wood buildings -----	-	15	8	0.8	10.1	0.4	0.7	3.6	31.4	48.7	79.9	1.3	0.3	8.2
249	Miscellaneous wood products --	-	74	20	2.4	31.0	2.0	3.9	23.5	68.1	67.9	137.8	6.6	1.3	19.9
2491	Wood preserving -----	-	13	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2499	Wood products, n.e.c. -----	-	60	14	2.1	27.6	1.8	3.5	21.4	59.4	53.3	114.5	6.2	EE	(D)
25	Furniture and fixtures -	-	133	38	4.0	44.2	2.9	5.4	26.4	90.8	66.3	155.9	2.5	4.2	57.3
251	Household furniture -----	E1	62	13	1.6	14.4	1.3	2.2	9.2	26.0	26.3	51.9	(D)	2.0	19.8
2511	Wood household furniture ---	E2	32	4	0.5	4.1	0.5	0.9	3.3	5.9	8.1	13.8	(D)	0.4	3.2
2514	Metal household furniture ---	-	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2515	Mattresses and bedsprings ---	-	18	6	0.5	6.1	0.3	0.5	2.9	12.0	11.3	23.2	(D)	0.5	6.2
2517	Wood TV and radio cabinets -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2531	Public building and related furniture -----	-	5	4	0.6	7.8	0.4	0.8	4.2	17.3	11.2	28.3	(D)	BB	(D)
254	Partitions and fixtures -----	-	44	14	1.3	16.6	0.9	1.8	9.9	35.9	20.5	56.0	(D)	1.5	24.7
2541	Wood partitions and fixtures -	-	33	9	0.5	7.6	0.4	0.7	4.8	15.2	9.3	24.2	(D)	0.5	8.0
2542	Metal partitions and fixtures -	-	11	5	0.7	9.0	0.5	1.0	5.1	20.6	11.2	31.7	(D)	1.0	16.7
259	Miscellaneous furniture and fixtures -----	-	17	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2599	Furniture and fixtures, n.e.c. -	-	10	5	0.5	3.9	0.3	0.5	2.2	7.5	5.6	13.0	0.4	(NA)	(NA)
26	Paper and allied products -----	-	95	55	12.7	191.5	10.0	20.3	139.8	570.1	533.5	1 105.3	37.5	18.1	511.1
2621	Paper mills, except building paper -----	-	6	6	4.3	73.8	3.7	7.3	60.1	173.5	222.8	395.7	21.7	FF	(D)
2631	Paperboard mills -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
264	Miscellaneous converted paper products -----	-	49	17	4.5	59.4	3.5	7.0	40.5	264.0	130.6	392.4	7.1	FF	(D)
2641	Paper coating and glazing ---	-	10	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
2642	Envelopes -----	-	11	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.9	12.2
2643	Bags, except textile bags ---	-	7	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	5.4
2645	Die-cut paper and board -----	-	7	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2649	Converted paper products, n.e.c. -----	-	9	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
265	Paperboard containers and boxes -----	-	37	29	3.1	45.2	2.2	4.6	28.9	103.6	149.1	252.0	(D)	3.6	68.4
2651	Folding paperboard boxes ---	-	12	8	0.9	13.3	0.7	1.4	9.7	28.9	37.6	65.8	3.1	1.1	19.2
2652	Setup paperboard boxes -----	E7	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2653	Corrugated and solid fiber boxes -----	-	19	17	1.9	28.8	1.3	2.6	17.0	64.6	96.5	161.1	2.9	2.2	44.3

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
27	Printing and publishing -----	-	1 126	211	28.9	382.2	18.0	31.7	214.4	751.6	403.1	1 151.6	54.1	21.9	402.2
2711	Newspapers -----	-	318	42	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	6.9	120.3
2721	Periodicals -----	-	55	10	1.2	15.7	0.2	0.3	1.8	39.8	16.7	57.8	(D)	0.9	25.6
273	Books -----	-	40	12	3.6	55.8	2.3	4.1	26.8	114.8	51.6	165.1	5.8	2.5	53.0
2731	Book publishing -----	-	32	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2732	Book printing -----	-	8	4	0.2	3.1	0.2	0.3	1.7	5.8	3.4	9.2	(D)	(NA)	(NA)
2741	Miscellaneous publishing -----	E1	57	6	0.8	9.7	0.3	0.5	3.4	16.2	11.0	27.1	0.6	CC	(D)
275	Commercial printing -----	-	548	101	13.6	174.4	10.2	18.1	117.3	323.3	232.0	552.7	34.2	8.7	155.8
2751	Commercial printing, letterpress -----	E1	281	26	3.1	30.7	2.6	4.0	20.8	59.5	37.4	96.9	5.5	2.2	33.6
2752	Commercial printing, lithographic -----	-	253	73	10.3	141.6	7.4	13.9	95.1	260.4	192.9	450.6	28.6	6.2	117.0
2761	Manifold business forms -----	E4	15	8	0.5	7.0	0.4	0.7	3.9	13.3	11.7	24.9	0.9	BB	(D)
278	Blankbooks and bookbinding --	-	27	9	1.0	9.7	0.8	1.4	7.0	21.9	7.4	29.1	0.8	EE	(D)
2782	Blankbooks and looseleaf binders -----	-	14	6	0.7	7.7	0.6	1.1	5.5	18.6	6.6	25.1	0.7	CC	(D)
2789	Bookbinding and related work -----	E1	13	3	0.3	2.0	0.2	0.4	1.5	3.3	0.8	4.1	0.1	AA	(D)
279	Printing trade services -----	E1	64	23	1.2	18.2	0.9	1.5	12.3	32.8	10.6	43.3	2.2	0.9	16.6
2791	Typesetting -----	-	45	15	0.8	10.4	0.6	1.0	7.0	19.7	6.8	26.5	1.4	CC	(D)
2795	Lithographic platemaking services -----	E1	14	7	0.3	6.9	0.2	0.4	4.7	11.6	3.3	14.9	(D)	AA	(D)
28	Chemicals and allied products -----	-	185	53	6.2	88.6	3.7	7.0	44.1	384.5	403.6	784.5	12.2	6.3	267.0
282	Plastics materials and synthetics -----	-	6	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2821	Plastics materials and resins -	-	5	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
283	Drugs -----	-	18	6	0.5	7.4	0.3	0.5	2.0	17.6	18.0	35.3	1.6	AA	(D)
2834	Pharmaceutical preparations -	-	11	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
284	Soaps, cleaners, and toilet goods -----	-	42	14	2.2	29.7	1.2	2.1	13.5	183.0	134.4	316.4	3.8	EE	(D)
2841	Soap and other detergents --	E1	14	5	0.3	4.4	0.1	0.2	1.2	11.5	13.8	24.9	(D)	0.2	6.1
2842	Polishes and sanitation goods -----	-	15	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2844	Toilet preparations -----	-	12	6	1.6	20.9	1.0	1.7	11.1	157.4	106.7	263.8	1.5	EE	(D)
2851	Paints and allied products -----	-	20	6	0.5	6.2	0.3	0.5	3.0	17.1	28.1	45.3	0.6	0.8	20.9
287	Agricultural chemicals -----	-	43	4	0.4	5.0	0.3	0.5	2.9	22.8	56.8	79.4	1.5	0.3	9.7
2875	Fertilizers, mixing only -----	-	37	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	2.8
289	Miscellaneous chemical products -----	-	39	13	0.7	9.3	0.3	0.7	4.2	26.2	38.1	64.0	1.8	2.0	89.9
2893	Printing ink -----	-	10	7	0.3	4.1	0.2	0.3	2.2	11.5	15.6	26.9	0.6	0.2	3.7
29	Petroleum and coal products -----	-	32	14	1.6	28.6	1.2	2.5	20.5	260.9	1 125.6	1 395.1	11.2	1.6	74.0
2911	Petroleum refining -----	-	3	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
295	Paving and roofing materials ---	-	19	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2951	Paving mixtures and blocks ---	-	14	3	0.2	2.4	0.1	0.2	1.2	6.5	14.7	21.1	(D)	(NA)	(NA)
2952	Asphalt felts and coatings ---	-	5	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.3	7.3
299	Miscellaneous petroleum and coal products -----	-	10	4	0.2	3.0	0.1	0.3	1.9	-3.6	30.6	39.8	0.7	(NA)	(NA)
2992	Lubricating oils and greases -	-	9	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	-	255	113	10.6	116.2	8.3	15.5	74.3	244.0	239.0	479.5	18.1	7.7	128.2
3041	Rubber and plastics hose and belting -----	-	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3069	Fabricated rubber products, n.e.c. -----	E1	24	13	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3079	Miscellaneous plastics products -----	-	227	98	9.2	97.5	7.2	13.4	61.2	210.7	216.4	423.6	15.4	6.5	106.5
31	Leather and leather products -----	-	24	12	2.1	25.0	1.7	3.0	16.6	54.6	70.8	125.4	1.3	FF	(D)
3111	Leather tanning and finishing --	-	5	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
314	Footwear, except rubber -----	-	4	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3143	Men's footwear, except athletic -----	-	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3161	Luggage -----	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
32	Stone, clay, and glass products -----	-	425	97	11.7	166.1	9.1	18.0	117.3	482.0	419.7	853.7	24.0	7.1	131.6
322	Glass and glassware, pressed or blown -----	-	7	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3221	Glass containers -----	-	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3231	Products of purchased glass ---	-	15	4	0.7	6.6	0.5	1.1	4.8	15.3	15.0	30.7	0.6	AA	(D)
327	Concrete, gypsum, and plaster products -----	E1	313	66	4.7	64.1	3.6	7.2	43.7	132.4	135.3	266.0	16.7	4.2	75.1
3271	Concrete block and brick ---	-	46	13	0.7	10.8	0.4	0.9	6.0	21.3	20.4	41.5	2.7	0.5	11.6
3272	Concrete products, n.e.c. ---	E1	125	28	2.2	28.0	1.9	3.7	19.9	62.8	47.9	109.5	6.8	2.2	37.2
3273	Ready-mixed concrete -----	E1	142	25	1.7	25.3	1.3	2.5	17.8	48.3	67.0	114.9	7.1	1.4	26.3
3281	Cut stone and stone products -	-	30	13	0.9	13.7	0.7	1.5	10.0	21.5	19.0	40.0	0.6	1.2	21.5
329	Miscellaneous nonmetallic mineral products -----	-	42	8	4.4	68.4	3.2	6.4	47.6	269.1	223.6	445.4	2.5	0.5	10.8
3291	Abrasive products -----	-	7	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3293	Gaskets, packing, and sealing devices -----	-	8	2	0.2	2.4	0.2	0.4	1.7	5.1	2.4	7.4	(D)	(NA)	(NA)
3296	Mineral wool -----	-	4	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
33	Primary metal industries -----	-	112	64	7.4	105.1	6.1	12.1	79.2	199.0	251.1	451.1	18.1	7.1	129.4
331	Blast furnace and basic steel products -----	-	12	7	1.9	32.9	1.5	3.0	24.4	63.8	129.4	196.7	8.9	2.5	52.4
3312	Blast furnaces and steel mills -----	-	7	3	1.1	20.8	0.9	1.7	15.7	34.4	98.7	136.6	(D)	EE	(D)
3315	Steel wire and related products -----	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3317	Steel pipe and tubes -----	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
332	Iron and steel foundries -----	-	32	22	2.2	29.6	1.9	3.5	22.7	59.0	37.5	95.3	4.3	2.0	33.0
3321	Gray iron foundries -----	-	27	19	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.3	19.7
3325	Steel foundries, n.e.c. -----	-	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
335	Nonferrous rolling and drawing -	E2	9	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3354	Aluminum extruded products -	E1	5	2	0.2	2.0	0.1	0.3	1.5	4.9	10.2	14.9	(D)	(NA)	(NA)
336	Nonferrous foundries -----	-	34	20	2.3	31.4	2.0	4.0	24.1	48.1	46.6	93.9	2.7	1.9	32.2
3361	Aluminum foundries -----	-	24	18	2.0	28.7	1.8	3.6	22.3	42.1	43.2	84.6	2.1	1.6	28.5
339	Miscellaneous primary metal products -----	E1	18	9	0.6	7.0	0.5	1.0	5.1	14.2	6.6	20.7	1.0	0.5	7.2
3398	Metal heat treating -----	-	16	9	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	7.2
34	Fabricated metal products -----	-	509	250	30.3	427.2	22.0	43.4	265.2	842.8	781.2	1 559.7	77.0	32.8	576.5
341	Metal cans and shipping containers -----	-	13	9	1.4	26.5	1.1	2.5	21.7	126.3	127.8	254.3	(D)	1.6	60.7
3411	Metal cans -----	-	11	8	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.6	60.7
342	Cutlery, hand tools, and hardware -----	-	42	13	3.1	36.8	2.3	4.6	24.4	81.2	54.0	134.2	3.2	2.5	40.9
3423	Hand and edge tools, n.e.c. -	-	14	6	1.9	24.2	1.4	2.9	15.8	49.2	30.2	79.0	1.5	1.6	26.1
3429	Hardware, n.e.c. -----	E1	24	7	1.1	12.3	0.9	1.6	8.4	31.1	23.2	53.9	1.7	CC	(D)
343	Plumbing and heating, except electric -----	E1	22	4	0.4	4.3	0.3	0.5	3.0	8.8	9.9	18.9	0.4	0.6	12.8
3432	Plumbing fittings and brass goods -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3433	Heating equipment, except electric -----	E3	20	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
344	Fabricated structural metal products -----	E1	222	82	7.9	104.8	5.7	10.6	64.9	216.6	259.9	464.8	10.1	6.1	111.7
3441	Fabricated structural metal --	E1	42	23	1.9	26.7	1.4	2.8	17.1	54.1	85.2	135.2	1.9	2.1	33.7
3442	Metal doors, sash, and trim --	-	23	9	0.9	10.2	0.6	1.1	5.6	17.5	17.1	34.1	0.9	0.8	12.5
3443	Fabricated plate work (boiler shops) -	-	35	16	2.2	32.3	1.5	2.7	18.7	67.7	66.6	128.2	3.0	1.1	21.1
3444	Sheet metal work -----	E1	77	24	2.0	22.7	1.5	2.8	16.3	52.6	49.5	100.4	4.0	1.2	23.0
3446	Architectural metal work -----	E2	30	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3449	Miscellaneous metal work ---	-	10	3	0.5	7.1	0.4	0.7	4.3	13.0	31.0	44.7	0.2	0.5	12.5
345	Screw machine products, bolts, etc. -----	-	39	23	1.5	19.6	1.2	2.4	14.5	39.3	23.1	61.9	2.8	1.3	21.7
3451	Screw machine products -----	-	32	17	1.1	13.9	0.9	1.9	10.8	22.8	14.1	36.9	1.7	EE	(D)
3452	Bolts, nuts, rivets, and washers -----	-	7	6	0.4	5.7	0.3	0.6	3.7	16.4	9.0	25.0	1.1	AA	(D)
346	Metal forgings and stampings --	E1	76	44	3.7	47.0	3.1	6.0	33.3	85.3	64.7	149.8	4.6	3.2	52.2
3465	Automotive stampings -----	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3469	Metal stampings, n.e.c. -----	E1	73	42	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
347	Metal services, n.e.c. -----	-	87	37	2.1	22.2	1.8	3.5	16.1	38.6	19.5	57.8	2.2	1.4	19.8
3471	Plating and polishing -----	-	52	23	1.3	15.3	1.1	2.2	11.3	25.2	13.1	38.0	1.2	0.9	13.8
3479	Metal coating and allied services -----	E1	35	14	0.8	6.8	0.7	1.3	4.9	13.3	6.5	19.7	1.0	0.4	6.0

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977												1972	
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
34	Fabricated metal products—Con.														
348	Ordinance and accessories, n.e.c. -----	-	7	5	7.1	125.2	4.4	9.1	63.4	162.5	151.7	266.1	(D)	12.5	211.8
3482	Small arms ammunition -----	-	3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3483	Ammunition, except for small arms, n.e.c. -----	-	1	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3489	Ordinance and accessories, n.e.c. -----	-	2	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
349	Miscellaneous fabricated metal products -----	-	101	33	3.2	40.9	2.1	4.1	23.8	84.4	70.6	152.0	4.5	3.5	47.1
3494	Valves and pipe fittings -----	-	10	7	1.4	17.4	0.8	1.5	9.3	37.2	21.6	57.6	(D)	EE	(D)
3496	Miscellaneous fabricated wire products -----	-	13	6	0.2	2.4	0.2	0.3	1.5	4.0	2.7	6.6	0.1	1.3	8.4
3497	Metal foil and leaf -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3499	Fabricated metal products, n.e.c. -----	E1	65	15	1.2	16.0	0.9	1.7	9.3	32.5	30.4	62.0	2.6	0.9	12.2
35	Machinery, except electrical -----	-	1 112	322	64.1	931.0	37.7	74.7	457.7	2 058.9	1 608.9	3 597.7	100.9	55.0	1 140.4
351	Engines and turbines -----	-	4	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3511	Turbines and turbine generator sets -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3519	Internal combustion engines, n.e.c. -----	-	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
352	Farm and garden machinery ---	-	113	39	5.4	62.1	4.1	7.7	40.9	162.4	185.7	351.4	6.5	4.4	80.7
3523	Farm machinery and equipment -----	-	103	35	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3524	Lawn and garden equipment -	-	10	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
353	Construction and related machinery -----	-	94	47	7.7	106.2	5.3	10.6	67.1	221.0	240.2	454.7	9.2	7.1	117.0
3531	Construction machinery -----	-	38	21	5.6	76.8	3.9	7.9	50.7	165.9	178.6	337.0	6.3	5.6	88.0
3532	Mining machinery -----	E1	8	4	0.3	3.8	0.2	0.4	2.6	8.0	8.8	16.3	0.8	(NA)	(NA)
3535	Conveyors and conveying equipment -----	-	20	9	0.9	12.0	0.5	0.9	5.9	23.4	22.6	46.0	(D)	0.7	12.9
3536	Hoists, cranes, and monorails -----	-	9	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3537	Industrial trucks and tractors -	-	17	8	0.7	9.7	0.4	0.8	5.7	14.2	21.1	37.2	0.5	0.4	10.6
354	Metalworking machinery -----	-	192	31	4.1	59.4	3.0	5.8	38.1	114.8	60.9	170.3	7.5	3.6	61.2
3541	Machine tools, metal cutting types -----	-	20	7	1.3	19.9	0.8	1.7	11.5	40.1	20.5	57.6	2.1	0.7	9.3
3542	Machine tools, metal forming types -----	E1	7	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	7.7
3544	Special dies, tools, jigs, and fixtures -----	E1	132	15	1.2	17.3	1.0	2.1	13.0	29.4	15.2	44.2	2.4	1.4	24.2
3545	Machine tool accessories ---	-	17	4	0.5	5.6	0.4	0.8	4.1	9.7	6.0	15.4	0.5	BB	(D)
3549	Metalworking machinery, n.e.c. -----	-	12	4	0.7	12.2	0.4	0.8	6.8	25.0	13.3	37.0	2.4	0.6	14.6
355	Special industry machinery -----	-	67	25	2.4	32.1	1.5	2.8	17.9	66.3	52.3	116.3	1.7	EE	(D)
3551	Food products machinery ---	-	22	10	0.8	11.3	0.5	1.0	6.3	23.2	23.2	44.2	0.6	0.5	9.4
3553	Woodworking machinery -----	-	12	5	0.4	6.1	0.3	0.5	3.4	14.7	8.0	22.5	0.3	BB	(D)
3559	Special industry machinery, n.e.c. -----	-	20	7	0.9	12.5	0.6	1.1	7.0	24.2	18.0	42.4	0.6	0.9	16.0
356	General industrial machinery ---	-	121	43	6.3	89.8	4.0	8.2	51.0	206.6	127.3	325.8	6.2	5.2	123.1
3561	Pumps and pumping equipment -----	-	15	7	2.5	38.4	1.5	3.1	20.3	101.3	59.9	156.0	2.6	2.6	60.2
3564	Blowers and fans -----	-	22	8	1.2	15.9	0.7	1.4	9.3	32.9	24.7	56.6	1.1	0.6	15.4
3565	Industrial patterns -----	-	19	1	0.2	2.9	0.1	0.3	2.2	4.6	2.4	6.9	0.1	(NA)	(NA)
3566	Speed changers, drives, and gears -----	E1	10	4	0.4	5.0	0.3	0.5	2.9	10.0	6.1	16.4	0.7	0.6	10.7
3567	Industrial furnaces and ovens -----	-	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3568	Power transmission equipment, n.e.c. -----	-	5	4	0.4	5.7	0.3	0.6	3.1	15.0	5.3	19.5	(D)	0.3	5.5
3569	General industrial machinery, n.e.c. -----	-	43	15	1.3	16.5	0.8	1.7	9.8	31.6	21.0	52.0	1.1	0.7	22.2
357	Office and computing machines -----	-	55	26	23.6	389.0	9.7	20.1	124.3	845.7	586.3	1 379.0	46.5	19.0	433.6
3573	Electronic computing equipment -----	-	43	23	23.1	382.4	9.3	19.4	121.0	833.1	575.6	1 355.5	45.6	FF	(D)
3576	Scales and balances, except laboratory -----	-	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3579	Office machines, n.e.c. and typewriters -----	-	9	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
358	Refrigeration and service machinery -----	-	64	27	7.7	102.7	4.9	8.9	56.0	266.2	223.6	487.4	10.3	7.4	178.9
3581	Automatic merchandising machines -----	E0	5	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.1	20.1
3585	Refrigeration and heating equipment -----	-	30	16	4.4	58.8	3.0	5.3	34.7	160.4	151.3	310.1	3.1	3.9	102.6
3586	Measuring and dispensing pumps -----	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3589	Service industry machinery, n.e.c. -----	-	26	7	2.6	36.2	1.3	2.5	15.1	86.3	57.0	142.2	6.5	2.0	48.5

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B.

SIC code	Industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
35	Machinery, except electrical—Con.														
359	Miscellaneous machinery, except electrical -----	E1	402	82	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	4.6	68.9
3592	Carburetors, pistons, rings, and valves -----	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3599	Machinery, except electrical, n.e.c. -----	E1	400	81	5.7	73.8	4.6	9.2	53.0	131.4	67.5	196.5	11.9	FF	(D)
36	Electric and electronic equipment -	-	279	120	29.0	371.6	19.5	36.9	208.1	869.8	640.8	1 498.7	40.9	18.3	354.9
361	Electric distributing equipment -	E1	12	6	1.0	9.7	0.7	1.3	5.7	19.7	12.6	32.3	0.9	0.7	9.5
3613	Switchgear and switchboard apparatus -----	E1	8	4	0.9	8.2	0.6	1.2	4.8	17.6	10.9	28.5	0.8	CC	(D)
362	Electrical industrial apparatus --	-	40	21	5.3	79.9	3.4	6.1	42.3	163.0	139.1	300.1	9.5	4.1	83.3
3621	Motors and generators -----	-	12	9	3.7	58.3	2.5	4.5	34.4	124.1	105.1	228.0	(D)	2.5	58.8
3622	Industrial controls -----	-	17	8	1.0	15.3	0.5	0.8	4.4	26.3	19.1	45.4	(D)	CC	(D)
3623	Welding apparatus, electric --	-	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
363	Household appliances -----	-	15	7	4.3	54.2	3.3	6.1	36.9	202.7	201.6	393.0	5.8	3.1	72.8
3631	Household cooking equipment -----	-	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3632	Household refrigerators and freezers -----	-	4	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3634	Electric housewares and fans -----	-	6	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
364	Electric lighting and wiring equipment -----	E1	23	10	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.5	30.8
3643	Current-carrying wiring devices -----	E7	9	2	0.2	2.1	0.1	0.2	1.2	6.0	3.1	8.8	0.1	0.3	3.4
3644	Noncurrent-carrying wiring devices -----	-	5	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3648	Lighting equipment, n.e.c. ---	-	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
365	Radio and TV receiving equipment -----	E1	24	4	0.2	1.9	0.2	0.3	1.4	4.6	4.6	9.1	1.3	BB	(D)
3651	Radio and TV receiving sets -	E1	18	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
366	Communication equipment ----	-	38	15	6.7	93.1	3.5	6.7	35.8	155.4	88.1	250.9	6.7	2.3	36.4
3662	Radio and TV communication equipment --	-	35	13	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.3	36.4
367	Electronic components and accessories -----	E2	86	37	6.4	67.7	4.8	9.5	45.7	130.3	70.0	198.4	5.3	4.1	62.1
3671	Electron tubes, all types -----	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3674	Semiconductors and related devices -----	-	3	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3677	Electronic coils and transformers -----	-	7	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3678	Electronic connectors -----	-	5	3	0.5	5.4	0.4	0.8	3.4	12.8	5.8	18.0	0.7	BB	(D)
3679	Electronic components, n.e.c. -----	E4	68	25	4.2	46.9	3.1	6.1	31.2	89.5	44.3	132.1	3.5	2.5	43.0
369	Miscellaneous electrical equipment and supplies -----	-	41	20	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3691	Storage batteries -----	-	4	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3693	X-ray, electromedical, and electrotherapeutic apparatus -	-	9	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3694	Engine electrical equipment -	-	9	3	0.2	1.6	0.1	0.3	1.2	3.2	3.3	6.3	0.2	(NA)	(NA)
3699	Electrical equipment and supplies, n.e.c. -----	E2	19	9	0.6	6.0	0.5	0.9	3.7	10.1	8.7	18.7	0.6	BB	(D)
37	Transportation equipment -----	-	151	56	8.0	111.3	6.4	12.5	82.0	278.2	730.1	1 015.5	12.5	9.8	221.7
371	Motor vehicles and equipment -	-	73	28	4.1	67.5	3.4	6.7	51.1	174.8	588.9	767.3	(D)	4.6	148.7
3711	Motor vehicles and car bodies -----	-	5	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3713	Truck and bus bodies -----	E2	24	7	0.3	4.3	0.2	0.5	2.7	6.9	10.0	17.1	0.2	(NA)	(NA)
3714	Motor vehicle parts and accessories -----	-	40	15	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3715	Truck trailers -----	-	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
372	Aircraft and parts -----	-	7	3	0.4	6.2	0.3	0.6	4.3	9.2	5.0	13.5	(D)	AA	(D)
3728	Aircraft equipment, n.e.c. ----	-	4	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
373	Ship and boat building and repairing -----	E1	33	11	1.6	16.0	1.3	2.5	11.2	31.6	38.1	70.0	(D)	EE	(D)
3732	Boat building and repairing --	E1	31	11	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
379	Miscellaneous transportation equipment -----	-	25	8	1.6	18.0	1.2	2.1	13.0	52.4	85.4	143.2	(D)	2.9	43.7
3799	Transportation equipment, n.e.c. -----	-	12	7	1.5	17.2	1.1	2.0	12.4	51.0	82.8	139.2	(D)	2.8	42.0

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix D.

SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
38	Instruments and related products -----	-	145	57	13.8	177.6	9.2	17.8	100.1	415.7	237.4	639.7	13.2	9.8	225.9
3811	Engineering and scientific instruments -----	-	8	3	0.7	10.2	0.3	0.6	3.4	29.5	12.0	37.8	0.8	0.7	12.9
382	Measuring and controlling devices -----	-	36	15	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3822	Environmental controls -----	-	5	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3823	Process control instruments -----	-	8	6	1.6	24.2	0.8	1.7	9.9	56.1	29.2	79.3	2.0	(NA)	(NA)
3825	Instruments to measure electricity -----	E2	12	6	0.2	2.6	0.1	0.2	1.2	5.4	3.6	8.5	0.2	(NA)	(NA)
3832	Optical instruments and lenses -----	-	10	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
384	Medical instruments and supplies -----	-	62	21	2.7	25.7	2.1	3.5	15.1	53.6	39.3	91.6	2.7	CC	(D)
3841	Surgical and medical instruments -----	E1	25	8	0.7	8.2	0.3	0.6	2.5	18.6	10.4	28.6	1.0	AA	(D)
3842	Surgical appliances and supplies -----	-	26	12	2.0	16.7	1.7	2.8	12.0	33.0	25.0	57.1	1.7	0.7	15.5
3851	Ophthalmic goods -----	E1	10	7	1.0	8.8	0.8	1.5	6.0	22.5	7.3	29.0	0.5	0.5	8.7
3861	Photographic equipment and supplies -----	-	15	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
39	Miscellaneous manufacturing industries -----	-	266	59	7.4	71.8	5.7	10.1	43.8	170.9	108.2	279.8	12.2	FF	(D)
391	Jewelry, silverware, and plated ware -----	-	9	3	0.7	7.9	0.3	0.7	4.0	10.1	5.4	16.1	(D)	0.4	8.4
3911	Jewelry, precious metal -----	-	9	3	0.7	7.9	0.3	0.7	4.0	10.1	5.4	16.1	(D)	0.4	8.4
394	Toys and sporting goods -----	-	92	28	4.1	39.1	3.3	5.6	23.5	109.0	68.3	177.9	(D)	4.6	55.6
3942	Dolls -----	-	8	5	0.5	3.1	0.4	0.8	2.2	7.7	3.4	10.7	0.1	BB	(D)
3944	Games, toys, and children's vehicles -----	-	19	6	2.3	23.7	1.9	3.0	13.7	73.2	33.3	108.7	6.5	EE	(D)
3949	Sporting and athletic goods, n.e.c. -----	E1	65	17	1.3	12.2	1.0	1.9	7.6	28.1	31.6	58.5	(D)	2.2	29.0
399	Miscellaneous manufactures ---	E1	132	24	2.4	22.5	1.9	3.4	14.8	46.9	30.9	77.3	(D)	FF	(D)
3991	Brooms and brushes -----	-	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3993	Signs and advertising displays -----	-	61	12	1.0	11.3	0.8	1.5	7.3	23.6	13.8	37.1	1.5	EE	(D)
3999	Manufacturing industries, n.e.c. -----	E2	86	9	0.9	7.1	0.7	1.2	5.0	12.6	8.3	21.0	0.5	1.2	12.0
-	Administrative and auxiliary -----	-	205	106	30.1	705.0	-	-	-	-	-	-	-	(NA)	(NA)

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Statistics for some industry groups and industries are withheld to avoid disclosing figures for individual companies. However, for such industry groups and industries with 150 employees or more, number of establishments is shown and employment size range is indicated by one of the following symbols: AA—150 to 249 employees; BB—250 to 499 employees; CC—500 to 999 employees; EE—1,000 to 2,499 employees; FF—2,500 employees or more. Statistics for industry groups shown include data for all component industries, regardless of whether data are shown for individual industries in the group.

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977											1972		
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Duluth-Superior, Minn.-Wis., SMSA -----	-	299	79	9.4	110.9	6.7	12.7	70.6	260.2	483.4	735.6	(D)	10.4	165.5
20	Food and kindred products --	E1	29	15	1.9	18.3	1.5	3.2	12.9	58.4	117.3	176.3	6.0	2.5	49.4
24	Lumber and wood products --	-	66	8	0.9	10.2	0.7	1.3	7.4	21.3	17.6	39.1	1.9	0.9	17.0
249	Miscellaneous wood products -----	-	8	5	0.7	8.8	0.6	1.0	6.2	18.9	14.2	33.2	(D)	0.6	12.0
27	Printing and publishing -----	-	51	11	1.5	17.0	0.6	0.8	5.7	34.8	13.1	49.0	1.8	1.2	21.3
275	Commercial printing -----	-	28	6	0.4	4.1	0.3	0.4	2.7	6.8	3.0	9.8	0.8	0.3	3.9
32	Stone, clay, and glass products -----	-	28	5	0.3	4.7	0.2	0.5	3.5	23.7	20.4	44.2	1.7	0.5	13.0
33	Primary metal industries ----	-	8	5	0.5	8.2	0.4	0.8	6.6	9.6	40.7	50.4	0.9	(NA)	(NA)
34	Fabricated metal products ---	-	21	10	1.2	16.4	1.0	2.0	12.7	33.2	34.2	66.4	2.6	1.9	19.0
344	Fabricated structural metal products -----	-	10	4	0.4	6.2	0.3	0.6	4.1	13.6	22.9	35.3	(D)	(NA)	(NA)
35	Machinery, except electrical -	-	27	11	1.3	17.6	0.9	1.8	11.0	36.4	44.8	78.0	1.2	0.9	16.6
353	Construction and related machinery -----	-	8	7	1.0	13.5	0.6	1.3	8.2	28.5	39.9	65.4	(D)	0.6	11.6
	Fargo-Moorhead, N. Dak.-Minn., SMSA -----	-	143	45	5.1	63.9	3.5	6.9	39.6	125.8	278.9	404.5	25.8	3.5	61.3
20	Food and kindred products --	-	20	10	1.4	16.1	0.9	2.0	11.0	40.6	148.6	186.7	20.6	1.1	22.5
27	Printing and publishing -----	E1	29	5	0.6	6.2	0.4	0.7	4.2	12.5	6.1	18.6	0.7	0.5	6.9
2711	Newspapers -----	-	7	1	0.3	3.3	0.2	0.3	2.3	8.0	2.6	10.5	(D)	(NA)	(NA)
34	Fabricated metal products ---	E1	13	2	0.3	3.8	0.2	0.4	2.1	6.9	11.0	18.2	0.7	(NA)	(NA)
35	Machinery, except electrical -	-	27	12	1.7	22.5	1.1	2.2	13.6	40.1	82.4	124.8	2.4	0.5	9.7
352	Farm and garden machinery -----	-	8	6	1.4	18.5	0.9	1.8	11.0	31.5	75.0	108.9	2.0	0.3	6.2
3523	Farm machinery and equipment -----	-	8	6	1.4	18.5	0.9	1.8	11.0	31.5	75.0	108.9	2.0	0.3	6.2
	Grand Forks, N. Dak.-Minn., SMSA -----	-	93	24	2.5	31.4	1.8	3.8	21.6	88.6	156.1	235.0	7.9	2.5	38.1
20	Food and kindred products --	-	27	15	1.8	22.8	1.4	3.0	17.0	72.6	140.4	203.5	6.2	(NA)	(NA)
203	Preserved fruits and vegetables -----	-	6	3	0.6	6.1	0.5	0.8	4.6	15.8	23.4	40.4	(D)	(NA)	(NA)
	Minneapolis-St. Paul, Minn.-Wis., SMSA -----	-	3 861	1 349	216.9	3 331.3	127.4	245.6	1 562.4	6 408.0	7 407.6	13 645.1	353.3	199.0	3 734.8
20	Food and kindred products --	-	237	120	14.8	207.3	9.9	19.6	129.3	575.4	1 572.3	2 158.2	37.9	16.8	415.4
201	Meat products -----	-	23	14	2.9	48.4	2.3	4.5	37.7	81.8	407.8	488.6	3.8	3.3	55.8
2011	Meat packing plants -----	-	8	6	1.9	37.5	1.5	3.2	30.8	58.5	339.4	398.3	(D)	2.8	50.5
202	Dairy products -----	-	37	18	1.7	25.0	0.8	1.8	10.6	62.4	262.1	322.3	8.8	2.3	45.8
2023	Condensed and evaporated milk -----	E3	8	3	0.4	5.9	0.2	0.4	2.0	15.6	35.6	50.9	(D)	(NA)	(NA)
2026	Fluid milk -----	-	20	10	0.9	14.4	0.3	0.6	5.0	28.0	154.9	182.7	4.3	1.5	25.8
203	Preserved fruits and vegetables -----	-	23	9	1.6	15.9	1.3	2.5	11.2	54.5	81.5	136.1	5.5	1.4	21.4
2033	Canned fruits and vegetables -----	-	6	4	0.5	3.8	0.4	0.6	2.7	11.1	18.8	29.9	0.4	0.7	10.6
204	Grain mill products -----	-	40	22	1.7	22.8	1.2	2.3	14.9	91.5	250.7	344.2	5.1	1.6	69.1
2041	Flour and other grain mill products -----	-	10	8	0.6	9.5	0.5	1.0	7.2	33.1	140.8	174.8	(D)	0.6	19.4
2048	Prepared feeds, n.e.c. --	-	17	8	0.6	7.8	0.3	0.6	3.4	21.5	80.4	101.8	0.7	0.7	28.9
2051	Bread, cake, and related products -----	-	33	18	1.8	24.6	1.1	2.2	13.9	50.9	39.2	90.1	1.9	(NA)	(NA)
207	Fats and oils -----	-	11	7	0.4	6.4	0.3	0.6	4.7	32.4	197.5	242.4	5.2	0.5	21.2
208	Beverages -----	-	25	13	2.4	37.4	1.3	2.7	20.4	116.5	207.0	324.2	5.4	3.0	104.8
2086	Bottled and canned soft drinks -----	-	15	9	1.3	19.4	0.5	1.1	6.0	48.9	67.5	115.8	3.0	(NA)	(NA)
209	Miscellaneous foods and kindred products -----	-	36	14	1.1	13.7	0.7	1.2	5.9	46.1	54.0	100.2	1.6	1.3	33.2
2099	Food preparations, n.e.c. -----	-	21	6	0.6	7.5	0.3	0.6	3.1	18.5	25.0	43.6	0.7	1.0	22.7
22	Textile mill products -----	E1	14	8	1.2	10.5	1.0	2.0	7.8	12.7	41.2	54.2	1.5	0.9	7.3
23	Apparel and other textile products -----	E1	113	37	2.6	21.7	2.1	3.6	13.7	42.4	44.5	86.1	1.4	3.4	31.7
232	Men's and boys' furnishings -----	-	8	3	0.3	2.4	0.3	0.4	2.0	4.6	3.0	7.5	0.1	0.6	7.2
233	Women's and misses' outerwear -----	E2	26	9	0.5	3.4	0.4	0.6	2.2	7.0	5.8	12.8	0.1	0.8	6.8
239	Miscellaneous fabricated textile products -----	E1	58	14	1.0	9.0	0.8	1.4	5.2	18.6	20.0	38.7	1.2	1.0	6.0
24	Lumber and wood products --	-	139	37	5.4	78.1	4.4	7.6	56.6	166.6	265.1	437.6	8.3	3.4	71.8
243	Millwork, plywood, and structural members -----	-	68	22	4.4	65.5	3.6	6.3	50.5	130.5	209.8	346.2	5.8	2.9	61.1
2434	Wood kitchen cabinets --	E2	40	6	0.7	7.4	0.6	1.1	5.2	13.0	10.3	23.0	(D)	0.7	7.9
249	Miscellaneous wood products -----	E1	32	6	0.3	3.0	0.3	0.4	1.8	6.5	11.5	18.2	0.3	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Minneapolis-St. Paul, Minn.-Wis., SMSA—Con.														
25	Furniture and fixtures-----	E1	95	25	1.9	23.3	1.5	2.7	14.1	42.9	35.7	77.8	1.0	1.9	27.1
251	Household furniture-----	E1	40	8	1.0	10.0	0.7	1.3	6.0	16.3	16.2	32.2	0.3	1.0	12.2
2511	Wood household furniture-----	E3	22	2	0.4	3.5	0.4	0.7	2.8	4.4	6.0	10.2	0.1	0.3	3.1
2515	Mattresses and bedsprings-----	-	10	5	0.4	5.5	0.3	0.4	2.5	10.3	8.6	18.7	0.1	0.4	5.8
254	Partitions and fixtures-----	-	35	11	0.5	7.6	0.4	0.8	4.9	14.7	10.1	24.4	0.5	0.6	8.9
2541	Wood partitions and fixtures-----	-	26	8	0.4	5.8	0.3	0.6	3.7	11.3	7.8	18.9	0.2	0.4	6.1
26	Paper and allied products----	-	74	41	5.8	81.7	4.4	9.2	54.9	179.0	208.2	385.1	13.2	9.2	241.5
264	Miscellaneous converted paper products-----	-	43	15	2.5	30.6	2.0	3.9	20.2	58.2	55.3	111.7	5.4	5.7	167.6
2642	Envelopes-----	-	10	5	0.7	10.6	0.6	1.1	6.7	17.4	15.7	32.7	0.6	0.9	12.2
2645	Die-cut paper and board-----	-	6	2	1.1	11.3	0.9	1.8	8.5	16.6	12.8	29.2	(D)	(NA)	(NA)
2651	Folding paperboard boxes-----	-	11	8	0.9	13.3	0.7	1.4	9.7	28.9	37.5	65.8	3.1	(NA)	(NA)
2653	Corrugated and solid fiber boxes-----	-	14	13	1.5	23.3	1.0	2.1	13.4	50.0	74.7	124.8	2.4	(NA)	(NA)
27	Printing and publishing-----	-	650	147	20.8	300.6	12.7	22.8	168.4	574.9	310.7	883.2	34.9	16.5	321.3
2711	Newspapers-----	-	78	12	4.5	66.6	1.9	3.1	31.2	135.0	46.3	181.2	5.6	4.5	87.1
2721	Periodicals-----	E1	48	9	0.7	9.0	0.2	0.3	1.8	25.1	10.0	35.2	(D)	0.5	16.7
273	Books-----	-	28	10	3.4	52.4	2.2	3.9	25.3	105.6	47.7	152.2	(D)	2.5	51.9
2731	Book publishing-----	-	23	7	3.2	50.2	2.1	3.7	24.2	101.1	45.3	145.4	(D)	(NA)	(NA)
2741	Miscellaneous publishing-----	E1	29	5	0.7	8.2	0.2	0.4	3.1	12.5	9.1	21.6	0.6	0.6	7.6
275	Commercial printing-----	E1	369	73	9.1	131.5	6.4	11.7	84.8	232.9	169.7	401.4	17.9	6.4	123.0
2751	Commercial printing, letterpress-----	E1	178	19	1.8	22.0	1.4	2.5	14.5	39.7	28.1	67.8	2.9	1.6	26.1
2752	Commercial printing, lithographic-----	E1	180	52	7.2	107.6	4.9	9.1	69.1	190.2	140.1	329.2	14.9	4.7	95.5
2761	Manifold business forms-----	E4	13	7	0.5	6.5	0.3	0.6	3.8	12.3	11.2	23.4	0.9	(NA)	(NA)
2782	Blankbooks and looseleaf binders-----	-	8	5	0.5	5.8	0.4	0.8	4.4	14.5	4.9	19.3	(D)	0.6	10.2
279	Printing trade services-----	E1	63	23	1.2	18.5	0.9	1.6	12.6	33.5	10.8	44.1	2.4	0.9	16.5
2791	Typesetting-----	-	45	15	0.8	10.9	0.6	1.1	7.5	20.6	7.1	27.6	1.5	0.6	9.8
2795	Lithographic platemaking services--	E1	13	7	0.3	6.7	0.2	0.4	4.5	11.4	3.3	14.6	(D)	(NA)	(NA)
28	Chemicals and allied products-----	-	113	40	4.9	71.3	2.8	5.2	35.1	338.8	331.9	668.2	8.0	5.2	243.3
282	Plastics materials and synthetics-----	-	4	1	1.1	20.2	0.7	1.3	11.4	88.6	74.3	161.2	0.4	(NA)	(NA)
283	Drugs-----	-	10	4	0.3	4.7	0.2	0.3	1.4	11.8	14.3	25.8	(D)	(NA)	(NA)
284	Soaps, cleaners, and toilet goods-----	-	36	13	2.1	28.3	1.2	2.0	13.3	180.6	133.2	312.8	3.4	2.1	120.1
2841	Soap and other detergents-----	E1	14	5	0.3	3.7	0.1	0.2	1.3	11.2	13.3	24.2	(D)	(NA)	(NA)
2844	Toilet preparations-----	-	10	5	1.6	20.5	1.0	1.7	10.9	156.0	106.2	261.9	1.4	1.8	112.1
2851	Paints and allied products-----	-	18	6	0.5	6.2	0.3	0.5	2.9	17.0	27.9	45.0	0.6	0.7	20.7
289	Miscellaneous chemical products-----	E1	31	10	0.5	7.2	0.3	0.5	3.0	18.0	23.6	41.2	0.9	1.9	85.7
29	Petroleum and coal products-----	-	21	11	1.3	24.3	1.0	2.1	17.7	258.8	991.9	1 261.7	10.4	1.4	64.7
30	Rubber and miscellaneous plastics products-----	-	189	81	7.4	83.5	5.7	10.6	53.8	172.1	168.5	338.8	14.8	6.1	103.8
3079	Miscellaneous plastics products-----	-	168	69	6.1	67.2	4.8	8.9	42.7	143.9	149.0	290.3	12.4	5.1	83.5
31	Leather and leather products-----	-	14	6	0.3	3.0	0.3	0.5	2.1	7.0	11.3	18.3	0.3	(NA)	(NA)
32	Stone, clay, and glass products-----	-	140	35	5.8	90.5	4.4	8.6	63.3	293.5	222.2	470.4	9.9	2.8	59.2
3272	Concrete products, n.e.c.-----	-	36	8	0.6	8.7	0.5	1.0	5.8	20.0	17.9	37.7	1.0	0.7	13.5
3273	Ready-mixed concrete--	-	38	9	0.6	9.5	0.4	0.9	6.9	18.8	29.6	48.3	2.7	0.6	12.7
33	Primary metal industries-----	-	81	46	5.5	79.4	4.6	9.1	59.5	154.1	182.3	337.1	13.2	4.8	85.1
331	Blast furnace and basic steel products-----	-	7	3	1.2	21.8	1.0	1.9	16.1	44.7	83.8	131.6	(D)	1.1	24.0
332	Iron and steel foundries-----	-	21	13	1.5	20.3	1.3	2.4	15.7	43.5	24.5	66.9	2.6	1.3	23.9
336	Nonferrous foundries-----	-	25	17	1.9	27.3	1.6	3.4	20.7	40.7	39.4	79.3	2.4	1.6	26.3
3361	Aluminum foundries-----	-	18	15	1.7	25.2	1.5	3.1	19.3	35.5	36.7	71.5	(D)	1.4	22.8
339	Miscellaneous primary metal products-----	-	15	8	0.6	6.7	0.5	0.9	4.8	13.5	6.3	19.7	0.9	0.5	6.8
34	Fabricated metal products----	-	461	200	23.7	349.2	16.9	33.5	212.0	642.7	624.7	1 208.0	68.4	27.2	495.8
341	Metal cans and shipping containers-----	-	9	7	1.1	21.2	0.9	1.9	17.2	83.5	106.8	191.7	(D)	1.1	43.2
342	Cutlery, hand tools, and hardware-----	E1	32	7	0.8	9.5	0.6	1.2	6.4	24.2	23.0	46.8	0.9	0.9	15.7
3429	Hardware, n.e.c.-----	E1	19	5	0.7	7.7	0.5	1.0	5.3	18.3	16.4	34.4	0.8	0.5	9.1
343	Plumbing and heating, except electric-----	-	14	2	0.3	3.6	0.2	0.4	2.5	7.1	8.3	15.7	(D)	0.6	12.8

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Minneapolis-St. Paul, Minn.-Wis., SMSA—Con.														
34	Fabricated metal products— Con.														
344	Fabricated structural metal products -----	-	154	65	6.0	83.7	4.2	7.9	50.0	164.2	191.8	346.9	7.0	5.0	93.3
3441	Fabricated structural metal -----	E2	25	15	1.3	18.1	0.9	1.9	11.4	36.2	55.2	88.5	1.3	1.7	27.0
3442	Metal doors, sash, and trim -----	-	18	8	0.8	9.5	0.6	1.1	5.3	16.4	15.8	31.9	0.8	0.7	11.0
3443	Fabricated plate work (boiler shops) -----	-	24	11	1.8	27.9	1.2	2.0	15.5	56.8	54.7	105.7	2.7	0.7	15.5
3444	Sheet metal work -----	-	63	22	1.3	16.9	1.0	1.9	11.5	34.0	31.6	64.5	1.9	1.0	20.0
3449	Miscellaneous metal work -----	-	6	3	0.5	6.7	0.3	0.6	4.2	12.0	28.4	41.4	0.1	0.5	12.5
345	Screw machine products, bolts, etc. -----	-	35	22	1.4	19.2	1.2	2.4	14.1	38.4	22.2	60.2	2.7	1.3	21.6
3451	Screw machine products -----	-	29	16	1.0	13.5	0.9	1.8	10.4	22.0	13.2	35.2	1.6	1.1	16.8
3452	Bolts, nuts, rivets, and washers -----	-	6	6	0.4	5.7	0.3	0.6	3.7	16.4	9.0	25.0	1.1	(NA)	(NA)
346	Metal forgings and stampings -----	-	61	37	3.1	40.6	2.5	4.9	28.6	70.5	48.5	118.8	3.9	2.8	45.9
3469	Metal stampings, n.e.c. --	-	61	37	3.1	40.6	2.5	4.9	28.6	70.5	48.5	118.8	3.9	2.8	45.9
347	Metal services, n.e.c. -----	-	72	31	1.7	18.5	1.4	2.8	13.3	32.0	15.5	47.4	1.4	1.2	18.1
3471	Plating and polishing -----	-	41	18	1.0	12.3	0.8	1.6	8.8	20.5	10.1	30.5	0.9	0.8	12.7
3479	Metal coating and allied services -----	E1	31	13	0.7	6.2	0.6	1.2	4.5	11.5	5.5	16.8	0.5	0.4	5.4
348	Ordinance and accessories, n.e.c. -----	-	7	5	7.1	125.2	4.4	9.1	63.4	162.5	151.7	266.1	(D)	12.5	211.8
349	Miscellaneous fabricated metal products -----	-	77	24	2.1	27.8	1.5	2.9	16.5	60.2	56.8	114.5	3.4	1.9	33.5
3494	Valves and pipe fittings -----	-	9	6	0.7	8.9	0.5	0.8	5.3	20.5	15.2	34.8	(D)	(NA)	(NA)
3499	Fabricated metal products, n.e.c. -----	E1	46	8	0.9	12.1	0.6	1.2	6.6	25.9	24.4	49.7	2.1	0.8	11.2
35	Machinery, except electrical -----	-	781	232	46.1	674.3	27.4	54.4	345.9	1 584.7	1 053.3	2 590.2	61.6	42.6	909.1
352	Farm and garden machinery -----	-	39	17	1.6	19.9	1.3	2.4	14.6	41.5	40.9	86.4	2.1	2.1	41.6
353	Construction and related machinery -----	-	47	24	4.1	58.9	2.6	5.1	35.6	119.9	133.2	249.8	5.3	4.7	69.6
3535	Conveyors and conveying equipment -----	-	14	7	0.8	10.6	0.4	0.8	5.1	20.4	19.6	40.0	1.2	0.7	11.7
3537	Industrial trucks and tractors -----	-	8	4	0.4	6.0	0.3	0.5	3.7	6.9	13.9	22.8	(D)	(NA)	(NA)
3541	Machine tools, metal cutting types -----	-	16	6	1.2	18.9	0.8	1.6	11.0	36.9	18.5	52.5	1.7	0.6	9.1
3544	Special dies, tools, jigs, and fixtures -----	E1	110	14	1.1	15.9	0.9	1.8	11.9	26.3	14.1	40.0	2.1	1.3	23.0
3549	Metalworking machinery, n.e.c. -----	-	9	4	0.7	12.1	0.4	0.8	6.8	24.7	13.2	36.5	2.4	0.6	14.6
355	Special industry machinery -----	-	54	22	2.1	29.1	1.3	2.5	16.2	62.2	48.0	108.0	1.4	1.7	32.7
3551	Food products machinery -----	E1	14	8	0.7	9.0	0.4	0.8	5.0	20.2	19.9	38.1	0.5	0.4	7.4
3553	Woodworking machinery -----	-	8	4	0.4	5.6	0.2	0.5	3.1	14.0	7.3	21.1	0.2	(NA)	(NA)
3559	Special industry machinery, n.e.c. -----	-	19	7	0.9	12.3	0.6	1.0	6.9	23.8	17.7	41.6	0.5	0.7	13.2
356	General industrial machinery -----	-	104	38	6.3	89.8	3.9	7.9	50.7	213.5	126.6	331.9	6.0	5.3	117.4
3564	Blowers and fans -----	-	19	9	1.2	16.1	0.8	1.4	9.5	36.9	26.6	62.4	1.2	0.6	15.4
3566	Speed changers, drives, and gears -----	E1	9	3	0.3	4.1	0.2	0.4	2.2	8.1	5.1	13.5	0.7	0.6	10.5
3568	Power transmission equipment, n.e.c. -----	-	5	4	0.4	5.7	0.3	0.6	3.1	15.0	5.3	19.5	(D)	0.3	5.3
3569	General industrial machinery, n.e.c. -----	-	36	12	1.4	18.4	0.9	1.8	11.0	38.2	22.1	59.8	0.9	0.9	18.4
357	Office and computing machines -----	-	46	20	17.6	274.3	8.1	16.6	104.2	720.8	404.2	1 095.6	21.6	(NA)	(NA)
3573	Electronic computing equipment -----	-	38	18	17.2	269.5	7.9	16.2	102.3	710.4	398.9	1 079.2	20.9	(NA)	(NA)
358	Refrigeration and service machinery -----	-	52	23	6.7	90.7	4.2	7.9	48.5	219.9	200.7	418.5	9.6	6.3	149.6
3585	Refrigeration and heating equipment -----	-	23	13	3.6	49.1	2.5	4.6	28.9	121.8	132.0	252.8	2.5	2.9	75.8
36	Electric and electronic equipment -----	-	215	85	22.0	304.5	14.3	27.3	165.6	741.5	503.5	1 229.7	37.3	13.3	274.3
3622	Industrial controls -----	-	15	7	0.9	14.4	0.4	0.7	3.9	25.2	17.9	43.0	(D)	0.6	11.5
3679	Electronic components, n.e.c. -----	E3	57	22	3.6	42.0	2.7	5.3	28.3	78.8	38.1	115.6	3.7	(NA)	(NA)
3699	Electrical equipment and supplies, n.e.c. -----	E2	15	8	0.5	5.0	0.4	0.7	3.1	8.6	8.2	16.6	0.5	(NA)	(NA)
37	Transportation equipment -----	-	71	22	3.7	65.9	3.1	6.3	50.6	169.1	578.8	749.4	8.1	4.3	141.8
3714	Motor vehicle parts and accessories -----	E1	26	7	0.5	6.6	0.3	0.6	4.0	14.0	11.6	25.4	1.6	(NA)	(NA)
38	Instruments and related products -----	-	112	45	11.0	149.5	6.9	13.5	80.9	311.7	174.1	464.3	12.3	8.4	167.8

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
38	Minneapolis-St. Paul, Minn.-Wis., SMSA—Con. Instruments and related products—Con.														
3823	Process control instruments -----	-	8	6	1.6	24.2	0.8	1.7	9.9	56.1	29.2	79.3	2.0	(NA)	(NA)
384	Medical instruments and supplies -----	E1	54	18	1.9	20.3	1.3	2.3	11.0	42.4	29.9	70.1	2.4	0.9	19.7
3841	Surgical and medical instruments -----	E1	24	7	0.6	7.5	0.3	0.5	2.2	17.4	9.6	26.6	0.9	(NA)	(NA)
3842	Surgical appliances and supplies -----	-	21	10	1.2	11.9	1.0	1.7	8.3	23.1	16.4	37.8	1.4	0.7	15.4
3861	Photographic equipment and supplies -----	-	10	5	1.4	20.5	0.6	1.1	8.1	39.8	18.8	56.8	1.0	1.2	20.1
39	Miscellaneous manufacturing industries ---	-	182	43	5.2	52.2	4.1	7.2	31.3	140.0	87.5	226.9	10.9	5.5	70.3
394	Toys and sporting goods ---	-	60	18	3.2	32.0	2.6	4.4	18.8	94.1	57.6	151.9	8.2	3.2	38.5
3944	Games, toys, and children's vehicles ----	-	17	5	2.2	23.0	1.8	2.8	13.1	72.2	32.6	107.1	6.4	1.9	23.3
399	Miscellaneous manufactures -----	-	94	21	1.8	17.4	1.4	2.5	10.9	38.5	25.7	63.6	2.6	1.9	25.6
3993	Signs and advertising displays -----	-	44	11	0.8	9.7	0.6	1.2	6.4	20.2	12.1	32.0	1.5	1.2	16.0
3999	Manufacturing industries, n.e.c. -----	E3	45	7	0.5	3.6	0.3	0.5	2.0	7.6	4.8	12.4	(D)	0.4	5.5
-	Administrative and auxiliary --	-	159	88	27.6	660.6	-	-	-	-	-	-	-	(NA)	(NA)
	Rochester SMSA -----	-	78	24	8.8	146.1	3.7	7.4	42.8	184.9	399.1	561.7	31.9	6.4	103.0
202	Dairy products -----	-	7	5	0.8	10.2	0.6	1.2	7.3	15.0	185.0	200.2	(D)	(NA)	(NA)
	St. Cloud SMSA -----	-	229	67	9.4	104.8	7.0	13.0	69.3	248.1	477.3	727.6	14.3	7.0	122.7
20	Food and kindred products --	-	46	15	1.8	20.9	1.3	2.6	13.5	64.1	263.5	326.2	2.7	1.4	29.5
201	Meat products -----	-	6	3	0.7	8.6	0.6	1.1	5.9	20.4	136.8	156.4	1.1	(NA)	(NA)
202	Dairy products -----	-	18	6	0.7	7.1	0.5	1.0	5.2	31.4	103.3	134.2	0.6	0.5	14.8
23	Apparel and other textile products -----	-	7	4	0.3	1.5	0.3	0.4	1.3	5.7	2.6	8.4	(D)	(NA)	(NA)
27	Printing and publishing -----	E1	41	8	0.9	8.4	0.6	1.1	5.4	17.5	9.7	27.0	3.0	0.5	7.3
275	Commercial printing -----	E1	18	5	0.4	4.2	0.3	0.5	2.9	7.5	6.4	13.9	(D)	(NA)	(NA)
2752	Commercial printing, lithographic -----	-	9	4	0.3	3.4	0.2	0.4	2.3	6.0	5.5	11.5	(D)	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	-	4	3	0.3	1.8	0.2	0.4	1.5	2.9	2.7	5.8	0.1	(NA)	(NA)
3079	Miscellaneous plastics products -----	-	4	3	0.3	1.8	0.2	0.4	1.5	2.9	2.7	5.8	0.1	(NA)	(NA)
32	Stone, clay, and glass products -----	-	28	8	0.8	12.5	0.6	1.3	9.3	21.9	20.7	41.9	1.3	0.9	19.8
34	Fabricated metal products ---	-	20	8	1.0	12.7	0.6	1.2	7.1	24.6	12.5	36.6	0.9	0.7	10.6
35	Machinery, except electrical -	-	32	6	1.0	12.4	0.5	1.0	6.5	33.6	67.8	107.3	1.6	0.3	4.7

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (S) Withheld because estimate did not meet publication standards.
(Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	E ¹	1977											1972	
			All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Anoka County -----	-	274	73	16.6	241.0	11.6	21.9	146.7	529.5	489.9	956.4	33.2	12.3	251.0
20	Food and kindred products --	-	7	3	0.6	6.6	0.5	1.0	5.3	44.7	144.2	184.6	8.1	0.5	15.5
30	Rubber and miscellaneous plastics products -----	E1	15	4	0.5	5.4	0.4	0.7	3.3	12.5	10.3	22.6	(D)	(NA)	(NA)
33	Primary metal industries -----	-	8	3	0.7	9.1	0.6	1.1	7.0	20.2	17.0	36.2	0.9	(NA)	(NA)
34	Fabricated metal products ---	-	52	15	5.1	79.8	3.7	7.5	51.7	106.7	67.6	126.1	5.2	4.9	82.6
35	Machinery, except electrical --	-	82	17	2.8	36.7	1.9	3.2	23.0	77.6	55.1	131.0	3.6	1.8	32.4
356	General industrial machinery -----	-	10	4	0.7	8.3	0.4	0.8	5.2	20.9	15.1	35.5	0.7	(NA)	(NA)
359	Miscellaneous machinery, except electrical -----	E1	44	5	0.7	9.1	0.5	1.1	6.4	15.4	7.3	22.1	1.4	(NA)	(NA)
3599	Machinery, except electrical, n.e.c. -----	E1	44	5	0.7	9.1	0.5	1.1	6.4	15.4	7.3	22.1	1.4	(NA)	(NA)
36	Electric and electronic equipment -----	-	14	8	4.4	64.2	3.3	6.1	42.1	203.8	136.2	334.1	8.8	2.6	70.9
	Becker County -----	-	33	7	1.3	10.8	1.1	1.7	8.0	28.9	53.3	83.4	3.6	0.7	12.9
	Benton County -----	-	48	14	1.7	16.4	1.4	2.5	10.3	32.9	35.8	69.1	4.2	1.6	25.8
	Blue Earth County -----	-	77	32	3.5	46.9	2.3	4.5	27.6	140.7	415.5	560.7	6.2	3.9	59.6
20	Food and kindred products --	-	11	6	0.7	10.5	0.3	0.7	5.5	40.8	343.7	391.8	(D)	0.7	11.9
35	Machinery, except electrical --	-	9	4	0.5	6.4	0.3	0.6	3.5	14.3	12.1	25.8	(D)	(NA)	(NA)
	Brown County -----	-	53	24	3.4	37.5	2.6	5.1	26.5	156.4	410.1	573.6	1.8	2.7	77.5
	Carlton County -----	-	36	12	2.8	40.0	2.2	4.5	30.1	77.7	204.9	280.6	(D)	3.2	57.6
	Carver County -----	-	65	24	2.1	27.0	1.3	2.7	12.0	58.1	101.1	156.8	5.5	1.6	26.2
	Chisago County -----	-	41	8	1.0	8.8	0.9	1.5	6.7	18.0	27.4	45.5	2.0	0.7	12.3
	Clay County -----	-	39	8	1.3	17.0	0.8	1.7	10.1	30.3	56.5	85.8	(D)	1.2	22.1
	Cottonwood County -----	-	19	8	1.0	10.0	0.8	1.5	7.7	45.7	134.1	186.6	1.1	(D)	(D)
	Crow Wing County -----	-	60	16	1.6	21.2	1.2	2.5	15.2	52.6	64.0	121.9	5.1	1.7	25.1
	Dakota County -----	-	224	93	15.1	220.9	9.0	18.2	116.8	388.8	549.8	1 053.6	24.7	9.1	148.1
20	Food and kindred products --	-	25	14	2.6	46.2	1.8	3.9	33.0	88.0	365.2	454.1	4.4	3.3	63.5
26	Paper and allied products ---	-	6	3	1.1	11.7	0.9	1.8	8.8	19.0	23.9	42.4	(D)	0.9	10.3
32	Stone, clay, and glass products -----	-	15	5	0.6	8.9	0.5	1.0	6.9	26.2	18.2	45.0	1.2	0.5	12.9
34	Fabricated metal products ---	-	31	15	0.8	9.4	0.6	1.2	6.7	25.4	30.4	55.1	2.3	(NA)	(NA)
35	Machinery, except electrical --	-	34	9	6.3	100.9	3.1	6.4	41.9	168.9	110.6	280.8	(D)	1.4	27.9
--	Administrative and auxiliary --	-	10	7	1.0	12.6	-	-	-	-	-	-	-	(NA)	(NA)
	Douglas County -----	-	44	10	0.9	10.6	0.7	1.3	7.1	52.8	98.9	149.5	2.1	0.8	14.9
	Faribault County -----	-	37	15	1.6	13.9	1.4	2.4	10.3	41.1	43.2	83.8	2.1	1.4	24.2
20	Food and kindred products --	-	8	6	0.7	5.4	0.6	1.1	4.4	19.9	20.2	39.9	1.5	0.8	12.6
	Fillmore County -----	-	32	9	0.7	5.5	0.6	1.1	4.0	13.3	48.2	61.4	1.0	0.5	5.8
	Freeborn County -----	-	55	21	4.0	52.4	2.9	6.1	36.0	117.8	423.7	541.7	4.8	4.4	82.8
	Goodhue County -----	-	64	27	4.1	46.6	3.2	5.9	31.0	102.6	250.3	352.0	4.6	3.7	62.9
20	Food and kindred products --	-	13	8	0.5	6.6	0.4	0.9	4.9	16.7	159.3	177.0	2.2	(NA)	(NA)
	Hennepin County -----	-	2 200	770	107.8	1 576.9	61.6	118.7	716.7	2 792.3	2 450.8	5 180.7	138.6	100.2	1 669.8
20	Food and kindred products --	-	115	63	6.4	83.7	4.1	7.8	46.7	245.5	490.2	737.9	12.9	7.0	165.3
201	Meat products -----	-	9	5	0.9	9.6	0.7	1.0	6.0	20.0	53.9	72.6	(D)	(NA)	(NA)
202	Dairy products -----	E1	13	6	0.9	13.6	0.3	0.7	4.4	32.3	80.5	112.6	4.2	1.4	23.8
204	Grain mill products -----	-	22	14	1.0	13.9	0.7	1.5	9.5	56.6	157.9	216.2	1.9	1.0	43.5
205	Bakery products -----	-	21	16	1.3	17.3	0.8	1.6	10.6	41.9	29.0	70.4	1.6	1.3	24.8
208	Beverages -----	-	12	6	0.7	10.6	0.4	0.8	4.8	40.4	67.7	107.3	1.4	1.1	23.6
2086	Bottled and canned soft drinks -----	-	6	5	0.6	8.9	0.3	0.6	3.4	22.3	28.7	50.5	0.8	(NA)	(NA)
209	Miscellaneous foods and kindred products -----	-	20	9	0.6	6.7	0.3	0.6	3.4	31.2	37.9	69.2	0.7	0.9	24.8
23	Apparel and other textile products -----	E1	67	19	1.4	12.9	1.1	2.1	7.5	23.9	30.4	53.7	1.2	1.8	16.3
239	Miscellaneous fabricated textile products -----	E1	36	8	0.6	6.6	0.5	0.9	3.5	11.8	14.9	26.8	1.0	0.5	3.0

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies.
For explanation of terms, see appendix B]

SIC code	County and industry	1977											1972		
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Hennepin County—Con.														
24	Lumber and wood products --	-	63	17	1.6	19.4	1.1	2.1	10.7	48.3	67.1	114.9	1.6	1.0	18.3
243	Millwork, plywood, and structural members -----	E1	35	11	1.0	11.2	0.8	1.4	7.4	20.5	27.8	47.7	0.8	0.8	11.2
2434	Wood kitchen cabinets -----	E2	22	4	0.6	5.8	0.5	0.9	3.9	10.5	8.9	19.1	0.4	(NA)	(NA)
25	Furniture and fixtures -----	E1	59	13	0.9	10.8	0.7	1.3	6.6	18.9	16.8	35.5	0.6	1.0	12.6
26	Paper and allied products ---	-	39	20	1.8	25.6	1.3	2.7	15.3	58.1	73.3	131.0	2.8	1.9	33.6
265	Paperboard containers and boxes -----	-	16	13	1.2	16.3	0.8	1.7	10.0	38.2	48.3	86.3	1.7	1.1	21.2
2653	Corrugated and solid fiber boxes -----	-	7	6	0.7	10.5	0.4	0.9	5.9	23.0	28.5	51.5	1.0	(NA)	(NA)
27	Printing and publishing -----	E1	415	104	11.0	158.2	6.6	11.8	91.5	305.1	171.2	476.0	16.5	9.8	191.8
2721	Periodicals -----	E1	39	8	0.6	8.4	0.2	0.3	1.7	22.6	7.9	30.7	(D)	(NA)	(NA)
2741	Miscellaneous publishing -----	-	18	3	0.5	6.5	0.2	0.3	2.4	9.4	7.3	16.6	0.5	(NA)	(NA)
275	Commercial printing -----	E1	238	53	4.5	64.3	3.4	6.3	45.3	114.6	93.4	207.9	7.9	4.2	82.5
2751	Commercial printing, letterpress -----	E1	111	13	1.0	11.2	0.8	1.3	7.7	20.3	12.6	32.8	1.3	(NA)	(NA)
2752	Commercial printing, lithographic -----	E1	118	38	3.4	51.6	2.6	4.8	36.7	91.9	79.5	171.4	6.5	(NA)	(NA)
279	Printing trade services -----	-	43	19	0.9	14.6	0.7	1.2	10.0	26.0	8.8	34.8	1.4	(NA)	(NA)
2791	Typesetting -----	-	29	11	0.6	7.4	0.4	0.7	5.1	13.9	5.4	19.3	0.5	(NA)	(NA)
28	Chemicals and allied products -----	-	55	17	1.1	14.0	0.6	1.2	6.6	43.9	67.8	111.9	2.3	1.2	34.2
30	Rubber and miscellaneous plastics products -----	-	102	46	4.3	51.8	3.2	6.0	32.6	105.2	101.8	206.7	8.1	3.7	68.8
3079	Miscellaneous plastics products -----	-	86	36	3.2	36.5	2.3	4.4	22.1	78.6	83.8	161.3	(D)	(NA)	(NA)
32	Stone, clay, and glass products -----	E1	54	12	1.2	15.5	1.0	1.9	11.1	33.5	33.5	66.6	4.2	1.0	19.3
327	Concrete, gypsum, and plaster products -----	-	23	6	0.5	8.8	0.5	0.9	6.6	19.7	21.3	41.1	1.2	0.7	14.7
33	Primary metal industries -----	-	50	29	2.9	39.7	2.4	5.0	30.2	74.5	64.9	138.1	4.5	2.5	41.1
336	Nonferrous foundries -----	-	14	9	1.2	17.4	1.0	2.2	13.8	22.6	24.2	46.3	1.5	1.0	14.9
339	Miscellaneous primary metal products -----	-	13	7	0.5	6.2	0.4	0.9	4.5	12.5	5.8	18.2	(D)	(NA)	(NA)
3444	Sheet metal work -----	-	34	12	0.8	10.2	0.6	1.2	7.3	22.0	18.8	40.2	0.8	(NA)	(NA)
3449	Miscellaneous metal work -----	-	5	3	0.5	6.6	0.3	0.6	4.1	11.8	28.0	40.9	(D)	(NA)	(NA)
3479	Metal coating and allied services -----	E1	18	9	0.6	4.6	0.5	0.9	3.3	7.9	3.9	11.7	0.3	(NA)	(NA)
35	Machinery, except electrical --	-	464	143	24.2	352.6	14.3	28.3	178.1	746.7	548.2	1 265.4	31.1	22.8	455.1
353	Construction and related machinery -----	-	24	14	2.4	35.7	1.6	3.0	21.1	70.8	85.6	154.4	3.7	2.2	34.9
354	Metalworking machinery ---	-	84	15	1.6	23.6	1.1	2.2	14.5	45.6	29.3	74.3	2.3	1.7	30.9
3544	Special dies, tools, jigs, and fixtures -----	E1	59	9	0.6	8.7	0.5	1.0	6.9	15.7	7.1	22.6	1.2	(NA)	(NA)
355	Special industry machinery --	-	36	16	1.6	21.9	1.0	1.9	12.9	43.6	29.9	72.5	1.1	1.2	23.2
3559	Special industry machinery, n.e.c. -----	-	12	5	0.8	9.9	0.5	0.9	5.9	17.2	14.2	31.7	0.4	(NA)	(NA)
356	General industrial machinery -----	-	64	20	3.9	56.7	2.4	4.8	30.2	131.5	73.0	198.7	4.2	3.2	70.4
3569	General industrial machinery, n.e.c. -----	-	23	8	0.8	10.9	0.5	1.0	6.5	21.0	14.8	35.7	0.5	(NA)	(NA)
357	Office and computing machines -----	-	28	12	6.7	103.3	2.6	5.2	31.4	213.8	147.5	338.2	6.6	(NA)	(NA)
358	Refrigeration and service machinery -----	-	31	12	4.4	62.0	2.7	5.4	31.8	155.7	133.6	288.2	7.5	4.5	115.8
36	Electric and electronic equipment -----	-	130	48	10.6	153.7	6.1	12.0	70.0	347.0	198.0	537.8	13.8	5.4	103.8
362	Electrical industrial apparatus -----	-	18	11	2.2	33.1	1.4	2.6	17.7	58.6	50.1	110.0	3.0	0.9	15.2
366	Communication equipment --	-	19	3	3.4	62.4	1.2	2.5	17.0	99.4	37.6	138.3	(D)	0.6	7.5
3662	Radio and TV communication equipment -----	-	19	3	3.4	62.4	1.2	2.5	17.0	99.4	37.6	138.3	(D)	(NA)	(NA)
3679	Electronic components, n.e.c. -----	E1	36	14	2.0	22.5	1.4	2.9	13.5	41.3	22.3	62.7	3.0	(NA)	(NA)
369	Miscellaneous electrical equipment and supplies --	-	16	8	0.6	7.3	0.5	0.9	4.5	13.7	14.6	26.9	0.5	1.1	37.5
384	Medical instruments and supplies -----	-	36	14	1.5	15.6	1.0	1.8	8.7	33.1	19.0	50.3	1.8	(NA)	(NA)
3842	Surgical appliances and supplies -----	-	16	8	0.9	9.3	0.8	1.3	6.8	18.7	11.3	28.7	0.9	(NA)	(NA)
39	Miscellaneous manufacturing industries -----	-	106	23	3.6	37.7	2.9	4.8	21.6	101.4	55.4	158.2	9.0	3.8	46.5
394	Toys and sporting goods --	-	26	6	2.0	22.4	1.6	2.6	12.4	64.3	31.6	98.0	6.6	2.0	24.1
3944	Games, toys, and children's vehicles -----	-	14	4	1.9	21.3	1.6	2.4	11.8	61.4	28.5	92.3	(D)	(NA)	(NA)
399	Miscellaneous manufactures -----	-	61	14	1.4	13.2	1.1	1.9	8.0	31.6	21.2	52.1	2.4	1.6	19.7
3993	Signs and advertising displays -----	-	28	7	0.6	6.6	0.5	0.9	4.2	15.3	8.7	23.6	1.3	(NA)	(NA)
--	Administrative and auxiliary --	-	108	57	13.0	270.5	-	-	-	-	-	-	-	(NA)	(NA)

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Houston County -----	-	33	5	0.5	4.7	0.4	0.8	3.4	11.9	16.6	28.2	0.6	0.3	4.4
	Isanti County -----	-	33	13	0.9	9.3	0.7	1.5	6.5	22.9	36.9	60.0	1.2	0.5	7.9
	Itasca County -----	-	73	8	1.7	26.3	1.4	2.6	19.6	72.6	92.1	165.0	3.1	1.4	25.4
	Kanabec County -----	-	12	4	0.5	5.2	0.4	0.8	3.5	11.1	16.8	27.8	(D)	0.4	6.5
	Kandiyohi County -----	-	43	13	2.1	17.0	1.7	3.1	11.0	32.2	93.1	125.5	1.8	1.6	28.2
20	Food and kindred products --	-	10	5	1.5	10.0	1.2	2.1	6.8	17.8	75.3	93.1	0.8	1.0	10.1
	Le Sueur County -----	-	44	18	2.0	21.6	1.4	2.6	12.0	66.0	87.5	153.9	5.5	2.3	34.5
20	Food and kindred products --	-	7	5	0.8	6.7	0.7	1.3	5.9	46.7	71.5	118.4	(D)	0.7	22.0
	Lyon County -----	-	36	15	1.7	17.2	1.2	2.2	8.7	52.1	61.3	113.1	1.9	1.3	23.9
20	Food and kindred products --	-	7	5	0.7	6.5	0.6	1.2	3.8	35.6	44.5	79.2	1.1	0.7	18.2
	McLeod County -----	-	55	25	4.8	56.4	3.8	7.0	38.5	300.9	199.0	497.5	6.1	4.3	167.7
20	Food and kindred products --	-	7	6	1.0	7.5	0.9	1.5	6.4	56.3	87.7	143.7	1.3	1.2	21.7
35	Machinery, except electrical --	-	8	3	0.5	5.6	0.3	0.7	3.7	9.8	13.8	23.1	0.8	(NA)	(NA)
	Martin County -----	-	34	11	1.9	20.6	1.5	3.0	15.0	41.6	43.2	83.4	1.3	1.6	37.4
	Meeker County -----	-	37	9	0.8	8.8	0.6	1.2	5.7	19.0	85.0	104.6	1.7	0.7	8.2
	Mille Lacs County -----	-	37	15	1.4	11.4	1.1	2.1	8.5	22.9	31.1	53.4	0.9	1.1	12.4
	Morrison County -----	-	42	10	1.3	12.3	1.1	2.1	9.0	29.3	41.8	71.6	1.4	1.6	17.0
	Nicollet County -----	-	37	12	2.4	18.7	1.8	2.8	11.5	44.6	24.4	68.6	4.1	0.6	9.4
27	Printing and publishing -----	-	5	1	0.8	3.9	0.8	0.9	3.1	11.0	4.4	15.4	2.0	(NA)	(NA)
	Nobles County -----	-	27	9	1.5	16.3	1.3	2.4	12.5	31.4	121.8	152.0	1.8	1.4	15.8
	Olmsted County (Coextensive with Rochester, Minn., SMSA; see table 6.)														
	Otter Tail County -----	-	69	18	1.4	13.2	1.0	1.8	8.3	31.7	134.1	166.4	1.1	1.5	18.9
20	Food and kindred products --	-	20	10	0.8	7.4	0.6	1.0	4.7	19.7	124.7	144.9	0.7	0.8	11.4
	Pennington County -----	-	25	8	1.3	14.5	0.9	1.6	9.0	32.0	82.3	115.4	1.0	(D)	(D)
	Pipestone County -----	-	20	5	0.6	4.9	0.5	0.9	3.3	10.7	16.8	27.1	0.5	0.2	3.5
	Polk County -----	-	46	10	1.3	17.3	1.1	2.4	13.6	43.5	95.0	130.5	(D)	1.1	18.9
	Ramsey County -----	-	761	287	61.7	1 083.2	33.5	65.1	446.2	2 147.1	2 765.2	4 838.3	128.8	64.3	1 368.7
20	Food and kindred products --	-	50	26	3.9	56.6	2.5	4.8	34.5	137.0	344.8	481.1	7.7	4.5	129.2
208	Beverages -----	-	4	3	1.2	18.6	0.7	1.4	12.6	47.7	79.8	128.4	1.9	1.6	71.9
209	Miscellaneous foods and kindred products -----	-	10	4	0.5	6.4	0.3	0.5	2.2	12.3	15.0	27.2	0.8	(NA)	(NA)
23	Apparel and other textile products -----	-	28	11	0.7	4.8	0.6	0.9	3.6	9.1	5.1	14.1	0.1	1.0	8.7
25	Furniture and fixtures -----	-	15	5	0.5	6.8	0.3	0.6	3.5	14.4	9.1	23.2	0.2	0.6	9.5
26	Paper and allied products ---	-	17	13	2.5	38.7	1.9	4.1	27.4	83.6	89.2	171.4	6.6	6.0	191.5
2653	Corrugated and solid fiber boxes -----	-	4	4	0.5	7.8	0.3	0.7	4.8	16.7	26.4	43.1	0.6	(NA)	(NA)
27	Printing and publishing -----	-	139	30	8.6	126.2	5.4	9.5	67.0	240.5	120.2	358.6	16.1	5.9	117.5
275	Commercial printing -----	-	84	15	4.0	57.5	2.5	4.5	33.1	101.9	66.9	167.8	8.4	1.9	34.6
2752	Commercial printing, lithographic -----	-	43	11	3.5	50.1	2.1	3.7	28.6	88.0	56.0	143.0	7.3	(NA)	(NA)
28	Chemicals and allied products -----	-	33	9	1.3	17.3	0.8	1.4	9.6	150.1	120.8	270.6	1.5	1.6	104.4
29	Petroleum and coal products -	-	8	5	0.7	14.4	0.5	1.1	10.0	225.9	623.7	846.2	6.9	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	-	34	14	1.1	13.1	0.8	1.7	8.2	27.6	30.5	56.9	2.3	1.1	15.1
32	Stone, clay, and glass products -----	-	24	9	3.2	54.1	2.2	4.2	36.4	199.6	139.6	293.2	1.9	(NA)	(NA)
33	Primary metal industries -----	-	17	11	1.8	28.9	1.4	2.7	21.1	56.3	84.4	143.8	7.4	1.6	32.1
3361	Aluminum foundries -----	-	6	5	0.5	7.2	0.4	0.8	5.0	13.9	8.6	22.3	0.5	(NA)	(NA)
3441	Fabricated structural metal -----	E4	8	6	0.7	11.2	0.5	1.0	7.4	19.9	35.4	52.5	0.7	(NA)	(NA)
35	Machinery, except electrical --	-	118	44	10.2	147.6	6.3	12.8	80.7	504.8	279.4	771.6	15.5	14.7	361.8
353	Construction and related machinery -----	-	12	6	1.4	20.6	0.9	1.9	12.9	44.6	43.4	86.8	1.4	2.1	28.0
354	Metalworking machinery ---	-	25	5	0.5	9.0	0.4	0.8	6.2	16.1	6.0	20.8	2.2	(NA)	(NA)
356	General industrial machinery -----	-	16	7	0.8	11.3	0.5	1.0	6.1	27.1	17.8	44.4	0.6	1.2	26.2
358	Refrigeration and service machinery -----	E3	11	7	0.7	8.7	0.5	0.9	5.3	18.0	21.4	38.9	0.9	0.5	11.1
359	Miscellaneous machinery, except electrical -----	E1	24	8	0.6	7.4	0.4	0.9	5.2	13.3	6.2	19.1	1.6	(NA)	(NA)
3599	Machinery, except electrical, n.e.c. -----	E1	24	8	0.6	7.4	0.4	0.9	5.2	13.3	6.2	19.1	1.6	(NA)	(NA)
36	Electric and electronic equipment -----	E1	47	17	6.1	76.2	4.0	7.6	46.6	167.4	152.5	318.0	12.2	4.6	90.6
367	Electronic components and accessories -----	E7	13	4	1.4	16.8	1.1	2.1	13.3	31.3	13.7	44.7	0.3	0.9	20.9
39	Miscellaneous manufacturing industries -----	-	34	9	0.5	6.2	0.4	0.9	4.2	13.5	17.0	28.3	0.8	0.8	14.0

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977												1972	
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Redwood County -----	-	35	7	0.7	7.1	0.6	1.0	4.2	15.0	28.8	42.8	0.5	0.5	10.5
	Renville County -----	-	25	7	0.6	4.7	0.5	0.9	3.6	10.9	14.8	25.2	0.5	0.4	5.7
	Rice County -----	-	51	21	2.7	28.7	2.1	3.8	18.3	76.5	106.7	182.2	3.5	2.1	36.4
20	Food and kindred products --	-	9	6	0.6	5.2	0.5	1.0	4.2	14.8	55.4	70.7	2.0	0.6	8.1
35	Machinery, except electrical --	-	11	7	0.8	8.9	0.6	1.0	6.3	20.2	15.9	35.8	0.7	0.7	13.4
	Rock County -----	-	18	7	0.6	7.8	0.4	0.8	4.7	13.0	111.9	125.6	0.6	(D)	(D)
	St. Louis County -----	-	250	67	8.3	98.4	5.9	11.3	62.0	205.6	272.7	477.3	(D)	8.8	128.8
20	Food and kindred products --	-	25	12	1.6	15.3	1.3	2.8	10.7	47.4	89.0	137.1	(D)	2.1	38.8
27	Printing and publishing -----	-	42	9	1.4	15.6	0.5	0.7	4.8	32.5	12.2	45.8	1.8	(NA)	(NA)
	Scott County -----	-	59	20	2.6	37.0	1.8	3.7	24.0	121.6	186.1	321.9	6.4	2.5	56.6
	Sherburne County -----	-	37	8	0.5	6.2	0.4	0.8	4.3	12.0	7.9	19.7	1.1	0.2	3.6
	Sibley County -----	-	20	7	0.5	4.1	0.5	0.8	3.5	15.7	29.4	44.2	0.6	0.6	11.0
	Stearns County -----	-	144	45	7.2	82.3	5.2	9.8	54.6	203.2	433.6	638.6	9.1	5.2	93.3
20	Food and kindred products --	-	34	14	1.6	18.4	1.2	2.3	12.4	57.4	253.7	309.7	2.5	(NA)	(NA)
27	Printing and publishing -----	E1	26	4	0.6	5.0	0.4	0.7	3.1	11.4	4.3	15.6	(D)	(NA)	(NA)
32	Stone, clay, and glass products -----	-	20	5	0.7	10.1	0.5	1.1	7.6	16.1	16.1	31.7	0.5	(NA)	(NA)
38	Instruments and related products -----	-	9	4	0.7	5.8	0.6	1.1	4.1	15.5	5.5	20.4	0.3	(NA)	(NA)
	Steele County -----	-	57	29	4.5	51.1	2.9	5.8	28.7	104.3	114.4	216.1	5.3	3.1	49.4
35	Machinery, except electrical --	-	14	7	1.0	11.0	0.7	1.3	6.1	23.9	25.0	46.8	1.1	0.7	11.5
	Swift County -----	-	20	3	0.5	4.3	0.4	0.7	3.3	14.1	15.0	28.8	0.7	0.7	6.7
	Todd County -----	-	34	9	0.9	9.8	0.7	1.5	7.4	21.8	90.5	112.5	1.7	0.6	9.5
	Wabasha County -----	-	34	9	1.2	14.4	0.9	2.1	10.2	43.0	67.6	109.8	1.2	1.2	20.2
	Wadena County -----	-	26	4	0.6	4.3	0.4	0.7	3.0	9.5	14.8	24.1	1.0	0.4	4.4
	Waseca County -----	-	24	8	3.6	36.9	2.9	5.6	25.8	75.1	69.7	152.3	(D)	2.5	41.0
	Washington County -----	-	100	26	6.2	96.4	4.7	8.4	67.4	245.3	609.0	859.7	9.0	5.1	149.9
35	Machinery, except electrical --	E1	22	5	0.7	9.1	0.5	0.9	4.9	20.9	16.6	37.0	1.0	0.5	8.6
	Watsonwan County -----	-	22	7	1.1	9.4	0.9	1.8	6.8	19.3	27.3	46.5	(D)	2.2	29.5
20	Food and kindred products --	-	5	5	0.7	5.2	0.6	1.2	4.2	12.7	22.2	34.9	(D)	(NA)	(NA)
	Winona County -----	-	93	45	5.2	57.4	3.9	7.5	35.0	113.1	165.2	278.0	9.9	5.6	79.3
20	Food and kindred products --	-	12	6	0.6	6.1	0.5	1.1	4.7	18.6	72.9	92.2	3.5	0.6	9.2
28	Chemicals and allied products -----	-	8	2	0.6	7.5	0.5	1.0	4.9	13.3	20.9	33.7	0.9	0.6	11.6
33	Primary metal industries -----	-	9	6	0.7	8.6	0.5	1.0	6.1	19.5	11.0	30.6	(D)	0.6	11.5
35	Machinery, except electrical --	-	14	5	0.5	7.7	0.4	0.9	4.8	19.3	16.7	36.0	0.7	0.5	16.9
	Wright County -----	-	74	25	1.8	15.2	1.4	2.4	10.4	39.5	51.5	89.8	2.0	1.3	14.0
	Yellow Medicine County -----	-	18	5	0.5	5.6	0.4	0.8	4.2	15.2	31.4	46.8	0.7	(D)	(D)

Note: "County" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Albert Lea -----	-	39	20	3.9	51.1	2.8	5.9	35.2	115.1	417.3	532.5	4.5	4.1	79.3
	Arden Hills-----	-	22	15	1.7	24.1	1.0	1.9	12.2	42.0	91.4	133.2	1.9	(D)	(D)
	Benson -----	-	12	3	0.5	4.0	0.4	0.7	3.1	13.0	13.3	25.9	0.7	(D)	(D)
	Bloomington -----	-	204	67	13.2	189.2	7.1	13.6	78.8	359.2	301.6	643.2	15.0	14.4	231.7
30	Rubber and miscellaneous plastics products -----	-	21	9	0.8	10.2	0.6	1.2	6.3	23.6	35.7	58.9	2.0	0.7	18.6
34	Fabricated metal products ---	-	32	13	1.1	13.4	0.9	1.7	8.7	24.3	18.1	41.8	2.8	1.0	15.5
35	Machinery, except electrical --	-	41	14	6.7	98.9	3.4	6.6	42.3	220.2	178.7	383.2	5.7	6.9	151.9
36	Electric and electronic equipment-----	-	14	5	1.3	15.4	0.7	1.3	6.3	32.0	21.6	53.2	2.2	0.8	9.4
39	Miscellaneous manufacturing industries -----	-	10	3	0.5	4.7	0.3	0.5	1.9	20.8	6.8	27.5	(D)	0.9	14.1
--	Administrative and auxiliary --	-	15	8	1.4	26.1	-	-	-	-	-	-	-	(NA)	(NA)
	Blue Earth -----	-	11	5	0.8	6.0	0.6	0.9	3.9	27.2	22.4	49.5	(D)	0.6	14.1
	Brainerd-----	-	38	10	1.2	16.2	1.0	1.9	12.4	39.4	51.9	90.5	3.0	1.2	15.4
	Brooklyn Center -----	-	41	13	0.9	11.2	0.7	1.2	6.7	22.8	22.6	44.4	1.8	0.7	10.6
	Brooklyn Park -----	-	36	5	0.5	7.9	0.3	0.6	4.1	18.8	22.7	40.3	0.8	(NA)	(NA)
	Burnsville-----	-	47	8	0.6	7.3	0.3	0.5	2.5	16.3	17.6	33.7	2.0	(NA)	(NA)
	Cambridge-----	-	15	7	0.5	5.2	0.4	0.9	3.6	15.1	14.0	28.9	0.6	(NA)	(NA)
	Columbia Heights -----	-	39	11	1.3	17.6	1.0	2.0	12.0	55.1	76.9	124.9	1.8	0.8	21.4
	Coon Rapids -----	-	21	6	0.5	8.1	0.4	0.8	4.8	11.8	10.2	21.9	2.8	(NA)	(NA)
	Crookston -----	-	19	7	0.8	10.0	0.6	1.2	7.4	26.1	42.1	67.3	1.4	0.5	7.6
20	Food and kindred products --	-	6	5	0.6	8.7	0.5	1.1	6.6	23.2	39.9	62.2	1.2	(NA)	(NA)
	Crystal -----	-	39	8	0.8	9.5	0.6	1.1	5.7	19.8	15.2	35.0	0.9	0.7	12.5
	Duluth -----	-	107	37	6.0	73.7	4.0	8.1	44.8	151.9	214.9	364.9	9.4	6.4	95.4
353	Construction and related machinery -----	-	4	4	0.8	10.6	0.5	1.0	6.7	22.5	34.1	53.6	(D)	(NA)	(NA)
3531	Construction machinery--	-	4	4	0.8	10.6	0.5	1.0	6.7	22.5	34.1	53.6	(D)	(NA)	(NA)
	Eagan-----	-	35	20	6.5	104.9	3.2	6.8	43.0	176.2	149.7	327.2	9.7	(NA)	(NA)
	Eden Prairie-----	-	47	23	4.0	53.2	2.3	4.3	25.2	134.0	82.7	204.4	4.5	2.3	50.0
35	Machinery, except electrical --	-	11	6	1.2	17.0	0.8	1.5	10.1	38.8	28.4	64.3	1.2	0.9	22.3
38	Instruments and related products -----	-	5	4	1.9	25.1	0.9	1.7	9.2	68.4	26.9	86.3	2.2	(NA)	(NA)
	Edina -----	-	109	32	5.3	75.5	2.3	4.5	25.8	127.7	95.5	219.2	7.9	3.3	46.2
27	Printing and publishing -----	-	26	8	1.2	14.3	0.7	1.1	7.6	29.6	17.4	47.1	2.7	0.8	16.2
--	Administrative and auxiliary --	-	14	7	0.6	8.6	-	-	-	-	-	-	-	(NA)	(NA)
	Fairmont -----	-	20	9	1.7	18.6	1.4	2.7	13.5	37.0	41.9	77.6	1.2	1.5	36.6
	Faribault -----	-	27	17	1.8	18.4	1.5	2.6	13.7	52.6	89.4	141.5	1.9	1.6	24.4
	Fergus Falls-----	-	29	10	0.6	6.3	0.4	0.8	3.6	13.3	57.3	71.0	0.4	0.8	9.3
	Fridley -----	-	107	39	10.0	151.5	6.5	12.0	84.5	334.6	294.8	574.4	23.6	7.7	159.0
34	Fabricated metal products ---	-	23	9	3.4	56.6	2.3	4.4	32.6	72.5	31.0	55.2	(D)	(NA)	(NA)
35	Machinery, except electrical --	-	36	10	1.3	17.4	0.9	1.8	11.5	36.2	23.2	58.4	(D)	0.7	14.7
356	General industrial machinery -----	-	7	3	0.6	7.8	0.4	0.7	5.0	20.1	14.9	34.5	(D)	(NA)	(NA)
359	Miscellaneous machinery, except electrical -----	E1	17	4	0.5	7.0	0.4	0.8	5.0	11.6	5.3	16.5	1.0	(NA)	(NA)
3599	Machinery, except electrical, n.e.c. -----	E1	17	4	0.5	7.0	0.4	0.8	5.0	11.6	5.3	16.5	1.0	(NA)	(NA)
	Glencoe -----	-	12	6	1.3	10.5	1.1	2.0	8.3	62.7	52.2	114.2	1.9	1.4	27.0
	Golden Valley -----	-	79	40	8.1	142.7	3.0	5.9	35.6	141.8	98.3	237.3	7.5	4.3	80.3
26	Paper and allied products ---	-	5	4	0.5	6.3	0.3	0.7	3.7	18.9	24.6	43.6	0.6	0.5	9.7
30	Rubber and miscellaneous plastics products -----	-	7	5	0.5	5.1	0.4	0.7	3.6	9.3	9.1	18.3	1.1	(NA)	(NA)
3079	Miscellaneous plastics products-----	-	7	5	0.5	5.1	0.4	0.7	3.6	9.3	9.1	18.3	1.1	(NA)	(NA)
35	Machinery, except electrical --	-	14	6	1.3	20.7	0.5	1.1	7.4	40.9	22.2	62.7	(D)	1.3	29.8
36	Electric and electronic equipment-----	-	4	4	0.6	7.0	0.4	0.9	4.2	12.7	4.9	17.4	0.7	0.5	6.4

See footnotes at end of table.

Table 8. **Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.**

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry	1977											1972		
		E	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Hastings -----	-	14	6	1.5	16.1	1.2	2.4	11.8	38.0	58.5	97.1	3.1	1.2	18.4
	Hibbing -----	-	24	8	0.6	7.2	0.5	0.8	4.8	15.2	13.1	28.2	1.0	(NA)	(NA)
	Hopkins -----	-	67	25	5.1	86.4	2.8	5.7	36.9	133.4	165.7	300.3	8.8	2.7	47.8
20	Food and kindred products --	-	7	4	0.5	5.9	0.5	0.9	4.9	11.6	13.8	25.4	0.3	0.5	13.0
35	Machinery, except electrical --	-	20	8	0.8	13.3	0.5	1.0	7.9	23.3	35.0	59.8	2.0	(NA)	(NA)
	Hutchinson -----	-	19	8	0.6	6.4	0.4	0.7	4.0	12.4	6.5	18.9	1.0	(D)	(D)
	Lake City -----	-	16	5	1.0	11.6	0.7	1.4	8.0	26.4	37.3	63.1	0.5	0.8	13.9
	Lakeville -----	-	34	15	1.1	11.8	0.9	1.7	8.2	30.9	29.8	59.9	1.8	(NA)	(NA)
	Litchfield -----	-	17	7	0.6	7.0	0.5	0.9	4.5	14.4	63.1	77.0	1.0	0.5	5.9
	Little Canada -----	-	12	5	0.7	10.3	0.4	0.8	4.2	22.0	13.5	37.3	(D)	(NA)	(NA)
	Little Falls -----	-	22	9	1.2	11.2	1.0	1.9	8.3	25.5	27.4	53.4	1.1	1.5	15.8
	Mankato -----	-	53	27	2.9	39.7	1.9	3.7	23.5	126.1	395.8	526.9	4.9	3.3	50.3
	Maple Grove -----	-	23	8	0.7	9.3	0.6	1.2	7.1	18.3	21.3	40.4	1.4	(NA)	(NA)
	Maplewood -----	-	18	7	10.6	320.9	0.3	0.7	4.0	9.8	12.8	23.2	0.7	0.6	11.1
	Marshall -----	-	22	11	1.5	15.2	1.0	2.0	7.6	47.8	57.2	104.6	1.8	1.2	22.5
	Mendota Heights -----	-	9	5	0.5	7.4	0.1	0.2	0.9	3.3	2.2	5.5	0.1	(NA)	(NA)
	Minneapolis -----	-	1 046	389	52.0	759.1	30.6	59.1	370.6	1 318.4	1 270.3	2 574.0	60.6	57.9	958.3
20	Food and kindred products --	-	77	42	4.6	63.0	2.9	5.6	35.0	192.8	426.3	621.4	11.1	5.3	124.9
205	Bakery products -----	-	12	8	0.8	11.0	0.5	0.9	5.8	28.6	15.6	43.7	1.2	(NA)	(NA)
23	Apparel and other textile products -----	E1	46	17	1.2	10.9	0.9	1.8	6.5	20.4	27.1	47.2	1.1	1.8	16.1
24	Lumber and wood products --	E1	22	4	0.6	7.6	0.3	0.6	3.1	20.5	27.1	47.5	0.4	(NA)	(NA)
26	Paper and allied products ---	E1	19	11	1.0	14.1	0.7	1.5	8.9	25.9	29.2	54.7	1.3	1.0	15.9
265	Paperboard containers and boxes -----	-	10	8	0.7	10.2	0.5	1.0	6.5	19.1	21.7	40.6	1.0	(NA)	(NA)
27	Printing and publishing -----	E1	239	69	8.0	119.2	4.7	8.6	68.9	232.0	128.1	360.0	11.5	7.7	154.3
275	Commercial printing -----	E2	143	33	3.1	46.1	2.4	4.5	32.7	83.7	73.8	157.6	5.6	(NA)	(NA)
2751	Commercial printing, letterpress -----	E1	63	7	0.5	5.6	0.4	0.7	3.8	9.7	6.7	16.4	(D)	(NA)	(NA)
2752	Commercial printing, lithographic -----	E2	74	26	2.6	40.0	2.0	3.8	28.6	73.5	66.4	140.0	5.0	(NA)	(NA)
279	Printing trade services -----	-	30	16	0.8	12.4	0.6	1.0	8.4	22.3	7.9	30.2	1.3	(NA)	(NA)
2791	Typesetting -----	-	19	9	0.5	6.5	0.4	0.6	4.5	12.7	5.2	17.9	0.5	(NA)	(NA)
28	Chemicals and allied products -----	-	31	11	0.6	8.3	0.4	0.7	4.1	27.0	44.5	72.7	1.5	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	-	35	13	1.1	13.1	0.8	1.5	8.6	28.1	27.9	56.4	1.0	1.3	23.6
33	Primary metal industries -----	-	31	21	1.7	23.1	1.4	2.8	17.3	44.6	33.4	77.4	3.4	1.7	28.3
34	Fabricated metal products ---	-	109	55	5.0	65.4	3.7	7.1	44.1	138.6	113.5	245.6	4.9	11.0	200.5
344	Fabricated structural metal products -----	-	37	21	1.9	25.6	1.3	2.4	16.6	59.6	62.4	117.7	1.2	(NA)	(NA)
3443	Fabricated plate work (boiler shops) -----	-	8	5	0.6	9.8	0.4	0.8	6.7	23.7	17.1	36.3	0.5	(NA)	(NA)
346	Metal forgings and stampings -----	E1	14	9	0.8	10.6	0.6	1.2	7.1	17.4	8.2	25.2	0.7	(NA)	(NA)
3469	Metal stampings, n.e.c. --	E1	14	9	0.8	10.6	0.6	1.2	7.1	17.4	8.2	25.2	0.7	(NA)	(NA)
35	Machinery, except electrical --	-	171	59	7.1	99.2	4.8	9.4	59.5	207.3	129.8	330.7	7.2	8.9	161.1
353	Construction and related machinery -----	-	9	8	1.2	17.1	0.9	1.7	11.5	35.5	32.2	65.2	1.4	(NA)	(NA)
3531	Construction machinery --	-	4	4	0.8	12.9	0.6	1.2	8.4	27.1	21.7	46.6	(D)	(NA)	(NA)
3559	Special industry machinery, n.e.c. -----	-	5	3	0.6	7.5	0.4	0.7	4.5	12.0	9.9	22.9	0.2	(NA)	(NA)
36	Electric and electronic equipment -----	-	44	19	5.6	93.4	3.0	5.9	37.8	149.2	84.4	235.8	5.4	1.4	29.5
37	Transportation equipment ---	E1	18	8	0.8	10.4	0.6	1.2	7.2	17.9	17.5	37.8	1.6	0.7	13.2
39	Miscellaneous manufacturing industries -----	E1	54	13	1.2	10.9	0.9	1.6	6.4	24.6	18.8	43.0	1.6	1.4	16.9
399	Miscellaneous manufactures -----	-	32	7	0.9	7.5	0.7	1.2	4.5	16.2	12.9	28.8	(D)	(NA)	(NA)
--	Administrative and auxiliary --	-	48	22	6.1	124.6	-	-	-	-	-	-	-	(NA)	(NA)
	Minnetonka -----	-	76	21	2.1	35.0	0.9	1.7	9.7	35.5	30.0	63.5	3.1	(NA)	(NA)

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
34	New Brighton -----	-	45	15	1.3	19.7	0.7	1.8	9.7	39.6	41.5	80.5	(D)	1.2	32.3
	Fabricated metal products ---	-	12	4	0.6	9.2	0.2	0.7	3.2	14.5	15.0	29.0	(D)	(NA)	(NA)
	New Hope -----	-	48	25	1.6	21.3	1.2	2.3	13.5	41.1	28.7	69.5	3.5	1.2	20.9
	Northfield -----	-	19	4	0.8	9.8	0.6	1.2	4.3	23.3	14.3	37.0	(D)	(NA)	(NA)
	North Mankato -----	-	11	5	1.8	12.5	1.4	1.9	7.2	34.4	14.3	48.7	3.5	(NA)	(NA)
	Owatonna -----	-	42	25	3.7	43.2	2.4	4.9	24.5	85.2	86.4	170.5	(D)	2.3	38.0
	Plymouth -----	-	60	33	4.6	63.3	2.8	5.4	31.2	183.7	125.1	304.1	5.2	2.1	34.3
34	Fabricated metal products ---	-	7	5	0.6	8.8	0.4	0.9	4.5	12.5	22.1	34.7	0.4	(NA)	(NA)
35	Machinery, except electrical --	-	19	8	0.8	13.1	0.5	1.0	7.4	25.8	15.5	41.3	0.7	0.9	17.7
	Red Wing -----	-	27	14	2.7	34.1	2.1	4.0	22.7	75.8	151.7	227.6	2.9	2.9	50.3
	Redwood Falls -----	-	16	6	0.6	6.2	0.5	0.9	3.5	11.6	20.1	31.1	0.2	(NA)	(NA)
	Rosemount -----	-	15	5	0.7	9.4	0.6	1.2	7.3	29.2	26.7	56.1	2.4	(NA)	(NA)
	Roseville -----	-	71	28	7.8	116.1	4.4	8.7	54.7	425.9	177.1	594.0	13.2	5.9	202.7
	St. Anthony -----	-	15	6	0.5	6.2	0.4	0.8	3.5	10.7	8.8	19.1	0.4	2.1	41.6
	St. Cloud -----	-	77	27	3.9	43.2	2.8	4.9	26.7	109.3	259.4	373.2	5.8	3.8	60.3
20	Food and kindred products --	-	17	6	0.8	11.0	0.5	1.1	6.4	26.1	135.8	161.0	1.5	0.9	14.4
27	Printing and publishing -----	-	16	7	0.8	7.5	0.6	1.0	4.8	15.8	8.8	24.4	2.6	(NA)	(NA)
	St. James -----	-	11	3	0.5	4.8	0.4	0.8	3.2	9.9	9.9	19.8	0.2	0.5	4.1
	St. Louis Park -----	-	153	49	4.2	58.0	3.1	6.2	34.0	116.9	85.5	202.3	7.5	3.7	76.3
30	Rubber and miscellaneous plastics products -----	-	10	3	0.7	10.5	0.6	1.1	6.6	16.3	7.1	23.4	(D)	0.6	10.5
34	Fabricated metal products ---	-	17	8	0.8	10.1	0.6	1.2	5.8	20.4	14.3	35.6	0.6	0.6	14.5
35	Machinery, except electrical --	E1	43	12	0.7	9.3	0.5	1.1	6.4	17.1	10.3	27.3	1.3	0.8	11.4
	St. Paul -----	-	505	183	36.9	554.3	25.0	48.0	344.7	1 543.4	2 360.0	3 838.2	71.3	50.6	1 057.4
20	Food and kindred products --	-	34	17	3.2	46.4	2.2	4.2	30.5	111.0	289.9	400.7	3.7	4.0	117.2
208	Beverages -----	-	4	3	1.2	18.6	0.7	1.4	12.6	47.7	79.8	128.4	1.9	(NA)	(NA)
265	Paperboard containers and boxes -----	-	5	5	0.9	14.0	0.7	1.4	9.9	30.4	42.9	72.9	(D)	(NA)	(NA)
27	Printing and publishing -----	-	115	21	7.8	115.4	4.8	8.4	60.3	217.8	106.9	322.6	14.5	5.5	112.3
275	Commercial printing -----	-	69	10	3.5	50.7	2.1	3.9	29.0	88.9	56.6	144.5	7.3	(NA)	(NA)
28	Chemicals and allied products -----	-	28	7	1.2	16.5	0.8	1.3	9.3	147.5	116.3	263.5	1.3	(NA)	(NA)
29	Petroleum and coal products -	-	8	5	0.7	14.4	0.5	1.1	10.0	225.9	623.7	846.2	6.9	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	-	20	7	0.7	9.3	0.6	1.2	5.9	18.5	22.2	39.4	1.6	0.8	11.7
33	Primary metal industries -----	-	13	8	1.6	26.5	1.3	2.4	19.2	51.2	80.6	135.0	7.1	(NA)	(NA)
34	Fabricated metal products ---	E1	56	28	3.1	46.6	2.5	4.9	34.1	107.8	121.6	225.1	11.7	3.2	67.7
344	Fabricated structural metal products -----	E3	20	8	1.0	14.1	0.8	1.4	9.4	25.1	37.8	60.0	(D)	(NA)	(NA)
35	Machinery, except electrical --	E1	57	24	3.2	44.6	2.2	4.2	27.7	93.8	79.7	169.2	4.4	8.4	159.7
36	Electric and electronic equipment -----	E1	26	10	4.8	59.4	3.2	6.1	38.9	130.9	130.3	257.6	6.0	4.1	84.9
--	Administrative and auxiliary --	-	17	7	1.2	24.0	-	-	-	-	-	-	-	(NA)	(NA)
	St. Peter -----	-	16	6	0.5	5.5	0.4	0.8	3.9	9.3	9.0	18.0	0.4	(NA)	(NA)
	Sauk Rapids -----	-	17	4	1.0	7.6	0.9	1.5	5.2	14.9	12.6	28.1	0.9	0.5	5.3
	Savage -----	-	10	4	0.9	14.4	0.6	1.3	9.8	41.5	83.1	138.4	(D)	1.2	27.4
	Shakopee -----	-	20	11	0.9	11.7	0.5	1.0	6.2	45.5	74.2	120.3	3.5	0.9	19.9
	Shoreview -----	-	20	10	1.1	17.2	0.5	1.1	6.1	23.1	16.5	38.7	1.0	(NA)	(NA)
	South St. Paul -----	-	23	11	2.3	43.2	1.8	3.7	33.9	65.3	317.2	395.8	3.0	(D)	(D)
	Virginia -----	-	21	8	0.7	6.2	0.5	0.8	4.2	12.2	10.3	22.5	0.6	0.7	8.0
	Waseca -----	-	16	7	3.6	36.6	2.8	5.5	25.6	74.1	67.1	148.6	(D)	2.3	37.4
	West St. Paul -----	-	21	10	0.7	9.7	0.5	0.9	5.4	18.9	22.2	41.1	0.8	0.5	8.6
	Willmar -----	-	26	10	1.9	14.0	1.5	2.7	9.2	25.7	80.7	106.8	1.5	1.3	23.4
	Winona -----	-	73	39	4.5	50.8	3.3	6.5	31.1	97.6	126.7	225.3	9.1	5.0	73.7
	Worthington -----	-	17	7	1.5	15.6	1.2	2.3	12.0	30.0	120.1	148.9	1.7	(D)	(D)

Note: "City" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
MINNESOTA:	6637	691	-	24	176	591	133	95	1126	185	32	255	24	426	112	609	1112	279	151	145	266	205
1 TO 4 EMPLOYEES	2698	213	-	-	68	361	50	17	596	73	8	82	9	164	21	187	464	86	66	57	142	30
5 TO 9 EMPLOYEES	934	87	-	3	19	74	17	11	184	30	5	36	3	89	13	80	159	33	15	15	31	30
10 TO 19 EMPLOYEES	879	82	-	2	18	52	28	12	135	29	5	24	-	76	14	92	167	40	14	16	34	39
20 TO 49 EMPLOYEES	935	123	-	4	24	52	18	10	117	31	6	54	5	56	27	130	126	37	24	25	27	39
50 TO 99 EMPLOYEES	539	74	-	3	30	33	10	15	43	10	3	30	4	25	16	64	87	31	12	10	18	21
100 TO 249 EMPLOYEES	418	80	-	6	16	14	7	20	36	8	4	20	1	9	15	41	61	24	15	13	7	15
250 TO 499 EMPLOYEES	134	23	-	1	1	2	3	3	7	2	1	8	1	1	1	7	27	12	3	3	5	15
500 TO 999 EMPLOYEES	60	5	-	1	2	2	-	4	4	1	-	1	1	-	-	4	13	11	1	1	1	7
1000 TO 2499 EMPLOYEES	29	3	-	-	-	-	-	-	3	-	-	-	-	-	-	2	5	4	1	2	1	2
2500 EMPLOYEES AND OVER	11	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3	1	-	1	-	1
AITKIN COUNTY:	34	8	-	-	1	11	-	-	1	-	-	-	-	3	-	3	6	-	-	-	-	1
1 TO 19 EMPLOYEES	30	8	-	-	1	9	-	-	1	-	-	-	-	3	-	2	6	-	-	-	-	1
20 TO 99 EMPLOYEES	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANOKA COUNTY:	274	7	-	-	5	12	6	4	20	6	-	15	-	14	8	52	82	14	7	6	11	5
1 TO 4 EMPLOYEES	201	4	-	-	5	10	5	2	17	2	-	11	-	11	5	37	65	6	6	3	11	1
5 TO 9 EMPLOYEES	46	2	-	-	-	2	1	1	2	3	-	1	-	3	1	13	11	1	1	2	-	2
10 TO 19 EMPLOYEES	12	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	4	2	1	1	-	-
20 TO 49 EMPLOYEES	15	1	-	-	-	-	-	-	-	1	-	1	-	-	-	2	2	5	-	-	-	2
50 TO 99 EMPLOYEES	33	6	-	-	-	8	-	-	3	-	-	1	-	3	2	5	3	2	-	-	-	-
100 TO 249 EMPLOYEES	26	4	-	-	-	7	-	-	2	-	-	1	-	2	2	3	3	2	-	-	-	-
250 TO 999 EMPLOYEES	3	1	-	-	-	1	-	-	1	-	-	-	-	1	-	1	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	48	4	-	-	2	24	-	-	4	2	-	-	-	5	-	1	-	-	2	-	4	-
1 TO 4 EMPLOYEES	42	4	-	-	2	20	-	-	3	2	-	-	-	5	-	1	-	-	1	-	4	-
5 TO 9 EMPLOYEES	6	-	-	-	-	4	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
10 TO 19 EMPLOYEES	48	12	-	-	-	4	-	-	9	1	-	-	-	4	-	5	6	-	1	3	3	-
20 TO 99 EMPLOYEES	34	11	-	-	-	1	-	-	5	1	-	-	-	3	-	3	5	-	1	1	3	-
100 TO 249 EMPLOYEES	10	-	-	-	-	3	-	-	3	-	-	-	-	1	-	2	1	-	-	-	-	-
250 TO 999 EMPLOYEES	3	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	6	2	-	-	-	-	-	-	1	-	-	-	-	1	-	-	1	-	1	-	-	-
1 TO 19 EMPLOYEES	4	2	-	-	-	-	-	-	1	-	-	-	-	1	-	-	1	-	1	-	-	-
20 TO 99 EMPLOYEES	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	77	11	-	-	1	4	1	-	15	2	-	5	-	7	2	5	9	3	1	2	5	4
50 TO 99 EMPLOYEES	45	5	-	-	1	3	1	-	11	1	-	1	-	4	1	2	5	1	1	2	4	3
100 TO 249 EMPLOYEES	21	4	-	-	-	-	-	-	3	1	-	2	-	3	-	2	2	2	1	1	1	1
250 TO 999 EMPLOYEES	8	1	-	-	-	-	-	-	1	-	-	-	-	-	-	1	1	1	-	-	-	-
100 TO 249 EMPLOYEES	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	53	13	-	-	-	2	-	-	9	-	-	1	-	11	-	3	5	2	2	1	-	4
1 TO 4 EMPLOYEES	29	4	-	-	-	1	-	-	6	-	-	-	-	8	-	3	2	2	2	-	-	3
5 TO 9 EMPLOYEES	17	5	-	-	-	1	-	-	2	-	-	-	-	3	-	-	3	-	-	-	-	1
10 TO 19 EMPLOYEES	5	3	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-
20 TO 49 EMPLOYEES	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50 TO 99 EMPLOYEES	36	7	-	1	-	11	-	2	4	1	1	-	-	4	-	-	1	-	-	-	-	3
100 TO 249 EMPLOYEES	8	-	-	-	-	10	-	-	3	1	-	-	-	1	-	-	1	-	-	-	-	1
250 TO 999 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	65	5	-	-	-	1	2	1	6	4	-	4	-	4	2	9	14	2	1	-	6	4
1 TO 4 EMPLOYEES	41	3	-	-	-	1	1	1	6	1	-	2	-	4	1	7	10	2	1	-	2	1
5 TO 9 EMPLOYEES	19	1	-	-	-	-	-	-	-	2	-	2	-	-	-	2	4	-	-	-	3	1
10 TO 19 EMPLOYEES	4	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1
20 TO 49 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
250 EMPLOYEES AND OVER	40	4	-	-	-	23	-	-	3	-	-	-	-	2	-	2	2	-	2	-	2	-
1 TO 19 EMPLOYEES	37	4	-	-	-	20	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 — Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
CHIPPEWA COUNTY.	27	1	-	-	2	4	-	-	8	1	-	1	-	3	-	1	-	-	3	1	2
1 TO 19 EMPLOYEES.	22	1	-	-	2	2	-	-	8	1	-	1	-	3	-	1	-	-	2	1	-
20 TO 99 EMPLOYEES.	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-
CHISAGO COUNTY.	41	6	-	-	-	3	-	-	4	-	-	3	-	2	-	4	14	2	2	-	1
1 TO 19 EMPLOYEES.	33	5	-	-	-	2	-	-	4	-	-	1	-	1	-	4	13	2	1	-	-
20 TO 99 EMPLOYEES.	6	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
250 EMPLOYEES AND OVER.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLAY COUNTY.	39	7	-	-	1	1	-	-	9	3	-	1	-	4	-	1	4	2	1	-	4
1 TO 19 EMPLOYEES.	31	4	-	-	1	1	-	-	9	3	-	1	-	3	-	1	3	1	-	-	3
20 TO 99 EMPLOYEES.	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
100 TO 249 EMPLOYEES.	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
250 EMPLOYEES AND OVER.	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLEARWATER COUNTY.	18	3	-	-	-	9	-	-	3	-	-	-	-	1	-	-	1	-	-	-	-
1 TO 19 EMPLOYEES.	14	3	-	-	-	7	-	-	3	-	-	-	-	1	-	-	1	-	-	-	-
20 TO 99 EMPLOYEES.	4	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COOK COUNTY.	21	1	-	-	-	16	-	-	2	-	-	-	-	1	-	-	1	-	-	-	-
1 TO 19 EMPLOYEES.	20	1	-	-	-	15	-	-	2	-	-	-	-	1	-	-	1	-	-	-	-
20 TO 99 EMPLOYEES.	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COTTONWOOD COUNTY.	19	3	-	-	1	-	-	1	6	-	-	-	-	2	-	-	6	-	-	-	-
1 TO 19 EMPLOYEES.	11	1	-	-	-	-	-	-	5	-	-	-	-	2	-	-	3	-	-	-	-
20 TO 99 EMPLOYEES.	5	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-	2	-	-	-	-
100 TO 249 EMPLOYEES.	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CROW WING COUNTY.	60	2	-	-	4	9	1	2	9	1	-	2	-	8	1	6	6	-	3	2	4
1 TO 19 EMPLOYEES.	44	1	-	-	1	9	1	1	6	1	-	1	-	7	1	3	5	-	2	2	4
20 TO 99 EMPLOYEES.	14	1	-	-	3	-	-	-	3	1	-	1	-	1	-	-	1	-	1	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
DAKOTA COUNTY.	224	25	-	1	6	11	9	6	25	4	3	12	1	15	4	31	34	9	3	4	11
1 TO 19 EMPLOYEES.	131	11	-	-	5	7	6	3	21	1	2	5	-	10	2	16	25	5	1	1	7
20 TO 99 EMPLOYEES.	72	10	-	1	3	3	3	-	3	3	1	7	1	4	2	14	5	4	2	1	3
100 TO 249 EMPLOYEES.	12	3	-	-	1	1	-	-	1	-	-	-	-	1	-	1	1	-	-	2	-
250 EMPLOYEES AND OVER.	9	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	4	-	-	-	-
DODGE COUNTY.	19	3	-	-	-	-	-	-	5	-	-	1	-	3	-	1	6	-	-	-	-
1 TO 19 EMPLOYEES.	16	1	-	-	-	-	-	-	5	-	-	1	-	2	-	1	6	-	-	-	-
20 TO 99 EMPLOYEES.	3	2	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
DOUGLAS COUNTY.	44	12	-	-	-	1	-	-	10	2	-	1	-	4	1	3	7	-	1	-	2
1 TO 19 EMPLOYEES.	34	10	-	-	-	1	-	-	9	2	-	1	-	1	1	3	6	-	1	-	-
20 TO 99 EMPLOYEES.	9	2	-	-	-	-	-	-	1	-	-	1	-	2	1	-	1	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
FARIBAULT COUNTY.	37	8	-	-	-	1	-	-	9	2	-	2	-	5	-	2	4	3	-	-	1
1 TO 19 EMPLOYEES.	22	2	-	-	-	-	-	-	9	2	-	1	-	2	-	2	4	1	-	-	1
20 TO 99 EMPLOYEES.	9	3	-	-	-	-	-	-	-	-	-	1	-	2	-	2	-	-	-	-	-
100 TO 249 EMPLOYEES.	5	3	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FILLMORE COUNTY.	32	4	-	-	1	7	1	-	5	2	-	3	-	2	-	2	3	-	1	-	1
1 TO 19 EMPLOYEES.	23	2	-	-	6	6	-	-	5	1	-	2	-	2	-	1	3	-	-	-	-
20 TO 99 EMPLOYEES.	8	2	-	1	1	1	-	-	-	1	-	1	-	-	-	1	-	-	1	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FREEBORN COUNTY.	55	14	-	1	-	2	1	1	9	1	-	2	-	5	1	4	13	-	-	-	1
1 TO 19 EMPLOYEES.	34	7	-	-	1	1	-	-	7	1	-	1	-	4	1	2	10	-	-	-	1
20 TO 99 EMPLOYEES.	14	3	-	1	-	-	-	-	2	-	-	1	-	1	1	2	2	-	-	-	-
100 TO 249 EMPLOYEES.	4	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
250 EMPLOYEES AND OVER.	3	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GOODHUE COUNTY.	64	13	-	-	1	7	5	-	11	-	-	2	2	7	-	2	6	4	-	1	3
1 TO 19 EMPLOYEES.	37	5	-	-	-	4	2	-	9	-	-	1	-	6	-	1	5	3	-	1	1
20 TO 99 EMPLOYEES.	16	7	-	-	-	2	1	-	1	-	-	-	-	1	-	1	1	1	-	-	-
100 TO 249 EMPLOYEES.	9	1	-	-	1	1	2	-	1	-	-	1	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	2	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977—Con.

(Major groups descriptions are: 20---food and kindred products; 21---tobacco manufactures; 22---textile mill products; 23---apparel and other textile products; 24---lumber and wood products; 25---furniture and fixtures; 26---paper and allied products; 27---printing and publishing; 28---chemicals and allied products; 29---petroleum and coal products; 30---rubber and miscellaneous plastics products; 31---leather and leather products; 32---stone, clay, and glass products; 33---primary metal industries; 34---fabricated metal products; 35---machinery, except electrical; 36---electric and electronic equipment; 37---transportation equipment; 38---instruments and related products; 39---miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
GRANT COUNTY	10	1	-	-	-	-	-	1	4	1	-	-	-	-	-	1	1	-	-	1	-	-
1 TO 19 EMPLOYEES	10	1	-	-	-	-	-	1	4	1	-	-	-	-	-	1	1	-	-	1	-	-
HENNEPIN COUNTY	2200	115	-	7	67	63	59	39	415	55	6	102	9	54	50	242	464	130	36	73	106	108
1 TO 19 EMPLOYEES	1430	52	-	4	48	46	46	19	311	38	3	56	6	42	21	134	321	82	24	43	83	51
20 TO 99 EMPLOYEES	545	39	-	-	17	13	12	13	82	16	2	34	3	9	21	84	97	31	7	17	31	17
100 TO 249 EMPLOYEES	155	21	-	2	2	3	1	7	17	1	1	9	-	3	6	20	28	8	5	7	12	12
250 EMPLOYEES AND OVER	70	3	-	1	-	1	-	-	5	-	-	3	-	-	2	4	18	9	-	6	4	14
HOUSTON COUNTY	33	5	-	-	-	13	-	-	4	1	-	1	-	4	-	1	3	-	-	-	-	1
1 TO 19 EMPLOYEES	28	4	-	-	-	11	-	-	4	1	-	1	-	3	-	-	3	-	-	-	-	1
20 TO 99 EMPLOYEES	4	1	-	-	-	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
HUBBARD COUNTY	30	-	-	-	2	14	-	-	6	-	-	-	-	2	-	1	2	1	-	-	2	-
1 TO 19 EMPLOYEES	27	-	-	-	1	12	-	-	6	-	-	-	-	2	-	1	2	1	-	-	2	-
20 TO 99 EMPLOYEES	3	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ISANTI COUNTY	33	3	-	-	2	-	1	-	4	2	-	3	1	1	1	3	8	1	2	-	1	-
1 TO 19 EMPLOYEES	20	2	-	-	2	-	1	-	4	1	-	3	-	1	1	1	2	1	1	-	-	-
20 TO 99 EMPLOYEES	11	1	-	-	-	-	-	-	-	1	-	-	1	-	-	2	4	-	1	-	1	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
ITASCA COUNTY	73	3	-	-	-	50	-	1	6	1	-	1	1	2	-	-	4	-	-	-	4	-
1 TO 19 EMPLOYEES	65	3	-	-	-	45	-	-	5	1	-	1	1	2	-	-	4	-	-	-	4	-
20 TO 99 EMPLOYEES	6	-	-	-	-	4	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JACKSON COUNTY	14	2	-	-	-	-	1	-	5	-	-	-	-	3	-	-	2	-	-	-	1	-
1 TO 19 EMPLOYEES	11	1	-	-	-	-	1	-	5	-	-	-	-	3	-	-	1	-	-	-	-	-
20 TO 99 EMPLOYEES	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KANABEC COUNTY	12	2	-	-	-	1	-	-	3	-	-	1	-	1	-	1	2	-	1	-	-	-
1 TO 19 EMPLOYEES	8	1	-	-	-	1	-	-	3	-	-	-	-	1	-	1	1	-	-	-	-	-
20 TO 99 EMPLOYEES	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KANDIYOHI COUNTY	43	10	-	-	1	2	-	-	12	-	-	-	-	5	-	4	6	-	2	-	1	-
1 TO 19 EMPLOYEES	30	5	-	-	2	2	-	-	11	-	-	-	-	4	-	1	5	-	2	-	-	-
20 TO 99 EMPLOYEES	9	4	-	-	1	-	-	-	1	-	-	-	-	4	-	3	-	-	-	-	-	-
100 TO 249 EMPLOYEES	3	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-
250 EMPLOYEES AND OVER	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KITSON COUNTY	9	1	-	-	1	-	-	-	2	3	-	-	-	1	-	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES	8	1	-	-	1	-	-	-	2	3	-	-	-	1	-	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KOCHICHING COUNTY	67	1	-	-	-	59	-	1	3	-	-	-	-	1	-	-	-	-	1	-	1	-
1 TO 19 EMPLOYEES	58	1	-	-	-	53	-	-	2	-	-	-	-	1	-	-	-	-	1	-	-	-
20 TO 99 EMPLOYEES	7	-	-	-	-	5	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LAC QUI PARLE COUNTY	13	3	-	-	-	-	-	-	3	2	-	-	-	3	1	1	-	-	-	-	-	-
1 TO 19 EMPLOYEES	11	2	-	-	-	-	-	-	3	2	-	-	-	3	1	1	-	-	-	-	-	-
20 TO 99 EMPLOYEES	1	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LAKE COUNTY	18	-	-	-	-	9	-	-	1	-	-	1	-	-	-	1	5	-	1	-	-	-
1 TO 19 EMPLOYEES	14	-	-	-	-	8	-	-	1	-	-	1	-	-	-	1	3	-	-	-	-	-
20 TO 99 EMPLOYEES	3	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LAKE OF THE WOODS COUNTY	9	-	-	-	-	5	-	-	2	1	-	-	-	-	-	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES	8	-	-	-	-	5	-	-	2	1	-	-	-	-	-	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LE SUEUR COUNTY	44	7	-	-	1	4	-	-	5	4	2	1	-	6	2	1	4	2	1	-	3	1
1 TO 19 EMPLOYEES	26	2	-	-	-	3	-	-	4	3	2	1	-	4	1	1	4	2	1	-	2	-
20 TO 99 EMPLOYEES	12	2	-	-	-	1	-	-	1	1	-	-	-	2	1	1	-	-	-	-	1	-
100 TO 249 EMPLOYEES	4	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977—Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablis- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	GAO ²
LINCOLN COUNTY	11	2	-	-	-	-	-	-	6	-	-	-	-	2	-	-	-	-	-	-	-	1
1 TO 19 EMPLOYEES	11	2	-	-	-	-	-	-	6	-	-	-	-	2	-	-	-	-	-	-	-	1
LYON COUNTY	36	7	-	-	-	4	-	-	7	1	2	-	1	7	-	1	2	3	-	-	-	1
1 TO 19 EMPLOYEES	21	2	-	-	2	-	-	-	6	1	2	-	1	4	-	1	2	2	-	-	-	-
20 TO 99 EMPLOYEES	9	2	-	-	-	-	-	-	1	-	-	-	-	2	-	-	-	1	-	-	-	-
100 TO 249 EMPLOYEES	5	2	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1
250 EMPLOYEES AND OVER	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MC LEOD COUNTY	55	7	-	-	1	1	3	2	12	2	-	1	-	2	-	4	8	4	4	-	1	3
1 TO 19 EMPLOYEES	30	7	-	-	-	-	1	1	12	2	-	-	-	1	-	2	5	-	4	-	1	1
20 TO 99 EMPLOYEES	17	4	-	-	1	1	2	-	-	-	-	1	-	1	-	2	1	1	-	1	2	-
100 TO 249 EMPLOYEES	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	-	-	-
250 EMPLOYEES AND OVER	3	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-
MAHONEN COUNTY	10	1	-	-	-	3	-	-	2	1	-	-	-	1	1	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES	9	1	-	-	-	3	-	-	2	1	-	-	-	1	1	-	1	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MARSHALL COUNTY	13	4	-	-	-	1	-	-	2	-	-	-	-	1	-	-	5	-	-	-	-	-
1 TO 19 EMPLOYEES	13	4	-	-	-	1	-	-	2	-	-	-	-	1	-	-	5	-	-	-	-	-
MARTIN COUNTY	34	3	-	1	-	1	-	-	7	2	-	3	-	5	1	1	7	1	2	-	-	-
1 TO 19 EMPLOYEES	23	1	-	-	-	-	-	-	6	2	-	1	-	4	1	1	4	1	2	-	-	-
20 TO 99 EMPLOYEES	5	1	-	-	-	-	-	-	1	-	-	1	-	1	-	-	1	1	-	-	-	-
100 TO 249 EMPLOYEES	4	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-
250 EMPLOYEES AND OVER	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MEeker COUNTY	37	5	-	1	1	2	1	1	4	1	-	-	-	4	-	2	9	3	1	1	1	-
1 TO 19 EMPLOYEES	28	3	-	-	1	1	1	1	4	-	-	-	-	4	-	1	6	3	1	1	1	-
20 TO 99 EMPLOYEES	7	1	-	1	1	-	-	-	-	1	-	-	-	-	-	-	2	-	-	-	-	-
100 TO 249 EMPLOYEES	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
MILLE LACS COUNTY	37	4	-	-	3	6	1	-	7	1	-	-	-	2	-	2	2	1	2	1	3	-
1 TO 19 EMPLOYEES	22	2	-	-	1	3	-	-	7	1	-	-	-	1	-	2	2	2	1	1	2	-
20 TO 99 EMPLOYEES	10	2	-	-	1	2	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-
100 TO 249 EMPLOYEES	5	-	-	-	2	1	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
MORRISON COUNTY	42	16	-	-	1	2	2	2	3	-	-	2	-	4	-	2	4	-	3	-	1	-
1 TO 19 EMPLOYEES	32	13	-	-	-	2	1	1	3	-	-	2	-	4	-	2	3	-	1	-	1	-
20 TO 99 EMPLOYEES	6	3	-	-	-	-	-	-	-	-	-	2	-	-	-	-	1	-	1	-	-	-
100 TO 249 EMPLOYEES	3	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
MOWER COUNTY	33	5	-	-	1	2	1	1	7	-	-	1	-	6	-	1	4	1	-	1	1	1
1 TO 19 EMPLOYEES	25	3	-	-	1	1	1	-	5	-	-	1	-	6	-	1	4	1	-	1	1	-
20 TO 99 EMPLOYEES	5	1	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	1	-	-	-	-
100 TO 249 EMPLOYEES	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MURRAY COUNTY	10	1	-	-	1	1	-	-	3	-	-	-	-	1	-	-	3	-	-	-	-	-
1 TO 19 EMPLOYEES	8	1	-	-	1	1	-	-	3	-	-	-	-	1	-	-	3	-	-	-	-	-
20 TO 99 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NICOLLET COUNTY	37	5	-	-	2	4	-	-	5	1	-	-	-	3	-	4	3	4	2	-	2	2
1 TO 19 EMPLOYEES	25	3	-	-	1	4	-	-	4	-	-	-	-	3	-	3	3	2	1	-	2	1
20 TO 99 EMPLOYEES	7	1	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	2	1	-	-	-
100 TO 249 EMPLOYEES	2	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-
250 EMPLOYEES AND OVER	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
NOBLES COUNTY	27	5	-	-	1	3	-	-	5	-	-	2	-	6	-	1	3	-	-	-	1	-
1 TO 19 EMPLOYEES	18	2	-	-	1	1	-	-	4	-	-	2	-	5	-	1	3	-	-	-	1	-
20 TO 99 EMPLOYEES	7	1	-	-	-	2	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	7	3	-	-	-	-	-	-	3	-	-	-	-	-	-	-	1	-	-	-	-	-
NORMAN COUNTY	7	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	7	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OLMSTED COUNTY	78	12	-	-	2	8	1	1	15	2	-	-	-	11	-	8	9	5	1	1	2	2
1 TO 19 EMPLOYEES	54	4	-	-	8	1	1	1	12	2	-	-	-	7	-	7	7	1	1	1	1	1
20 TO 99 EMPLOYEES	12	3	-	-	-	-	-	-	3	-	-	-	-	3	-	1	-	-	-	-	-	-
100 TO 249 EMPLOYEES	8	3	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-

See footnotes at end of table.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B)

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977—Con.

(Major groups descriptions are: 20---food and kindred products; 21---tobacco manufactures; 22---textile mill products; 23---apparel and other textile products; 24---lumber and wood products; 25---furniture and fixtures; 26---paper and allied products; 27---printing and publishing; 28---chemicals and allied products; 29---petroleum and coal products; 30---rubber and miscellaneous plastics products; 31---leather and leather products; 32---stone, clay, and glass products; 33---primary metal industries; 34---fabricated metal products; 35---machinery, except electrical; 36---electric and electronic equipment; 37---transportation equipment; 38---instruments and related products; 39---miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
SCOTT COUNTY	59	4	-	-	1	6	2	3	4	3	1	4	-	7	-	7	10	3	1	-	-
1 TO 19 EMPLOYEES	39	2	-	-	1	6	2	1	3	1	-	2	-	4	-	3	9	2	1	-	-
20 TO 99 EMPLOYEES	12	2	-	-	-	-	-	2	1	1	-	1	-	2	-	2	-	1	-	-	-
100 TO 249 EMPLOYEES	6	-	-	-	-	-	-	-	-	2	1	1	-	-	-	2	1	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-
SHERBURNE COUNTY	37	-	-	-	-	4	-	-	6	-	-	1	-	4	-	6	9	2	1	1	1
1 TO 19 EMPLOYEES	29	-	-	-	1	4	-	-	6	-	-	1	-	2	-	3	9	2	1	1	-
20 TO 99 EMPLOYEES	8	-	-	-	1	-	-	-	-	-	-	-	-	2	-	3	-	-	-	-	-
SIBLEY COUNTY	20	6	-	-	1	3	-	-	4	-	-	-	-	1	-	-	3	1	-	-	1
1 TO 19 EMPLOYEES	13	3	-	-	-	2	-	-	4	-	-	-	-	-	-	-	2	1	-	-	-
20 TO 99 EMPLOYEES	5	2	-	-	-	1	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-
100 TO 249 EMPLOYEES	2	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STEARNS COUNTY	144	34	-	-	5	5	2	2	26	-	1	3	-	20	-	9	17	3	4	9	4
1 TO 19 EMPLOYEES	99	20	-	-	2	5	2	-	22	-	1	1	-	15	-	6	12	2	2	5	4
20 TO 99 EMPLOYEES	26	9	-	-	2	-	-	-	2	-	1	1	-	4	-	2	3	-	1	2	-
100 TO 249 EMPLOYEES	11	4	-	-	1	-	-	1	1	-	-	1	-	-	-	1	1	-	1	1	-
250 EMPLOYEES AND OVER	8	1	-	-	-	-	-	1	1	-	-	-	-	1	-	1	1	-	-	1	-
STEELE COUNTY	57	6	-	-	1	3	1	-	8	2	1	2	-	5	2	3	14	1	-	-	6
1 TO 19 EMPLOYEES	28	2	-	-	1	2	-	-	6	1	1	2	-	1	1	-	7	-	-	-	4
20 TO 99 EMPLOYEES	20	2	-	-	-	1	-	-	2	1	1	-	-	3	1	1	5	1	-	-	1
100 TO 249 EMPLOYEES	4	2	-	-	-	-	1	-	-	-	-	-	-	-	-	2	1	-	-	-	-
250 EMPLOYEES AND OVER	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STEVENS COUNTY	12	1	-	-	-	-	1	-	3	-	-	-	-	4	-	-	2	-	-	-	1
1 TO 19 EMPLOYEES	10	1	-	-	-	-	1	-	3	-	-	-	-	3	-	-	1	-	-	-	1
20 TO 99 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
SWIFT COUNTY	20	3	-	-	-	-	-	-	4	2	-	-	1	2	-	2	5	-	-	-	1
1 TO 19 EMPLOYEES	17	3	-	-	-	-	-	-	4	2	-	-	-	2	-	2	3	-	-	-	1
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TODD COUNTY	34	8	-	-	2	1	-	-	9	-	-	1	-	1	-	2	7	-	1	1	1
1 TO 19 EMPLOYEES	25	5	-	-	1	1	-	-	8	-	-	-	-	1	-	2	6	-	1	1	-
20 TO 99 EMPLOYEES	7	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	1	-	1	-	-
100 TO 249 EMPLOYEES	1	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAVERSE COUNTY	3	-	-	-	-	-	-	-	1	1	-	-	-	-	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES	3	-	-	-	-	-	-	-	1	1	-	-	-	-	-	1	-	-	-	-	-
WABASHA COUNTY	34	8	-	-	1	3	2	-	5	-	-	-	-	3	-	2	4	-	4	1	1
1 TO 19 EMPLOYEES	25	4	-	-	-	3	-	-	5	-	-	-	-	2	-	2	1	-	4	1	-
20 TO 99 EMPLOYEES	7	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
WADENA COUNTY	26	5	-	-	-	7	1	-	5	-	-	1	-	4	-	1	1	-	1	-	-
1 TO 19 EMPLOYEES	22	3	-	-	-	6	-	-	5	-	-	1	-	4	-	1	1	-	1	-	-
20 TO 99 EMPLOYEES	3	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WASECA COUNTY	24	3	-	-	-	2	-	-	7	1	-	2	-	2	-	1	1	2	1	1	1
1 TO 19 EMPLOYEES	16	1	-	-	-	1	-	-	5	-	-	2	-	2	-	1	1	1	-	-	-
20 TO 99 EMPLOYEES	5	1	-	-	-	-	-	-	1	1	-	-	-	-	-	1	-	-	-	-	-
250 EMPLOYEES AND OVER	3	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-
WASHINGTON COUNTY	100	6	-	-	1	10	1	-	13	5	2	8	1	4	-	11	22	1	3	2	7
1 TO 19 EMPLOYEES	74	6	-	-	5	5	-	-	10	4	1	7	1	4	-	6	17	-	3	2	7
20 TO 99 EMPLOYEES	20	-	-	-	1	4	-	-	3	-	-	1	1	-	-	5	4	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	4	-	-	-	-	1	1	-	-	1	-	-	-	-	-	-	1	-	-	-	-
WATONWAN COUNTY	22	5	-	-	-	-	-	-	6	-	-	-	-	1	-	4	2	1	1	-	2
1 TO 19 EMPLOYEES	15	1	-	-	-	-	-	-	5	-	-	-	-	1	-	4	1	1	-	-	-
20 TO 99 EMPLOYEES	2	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																											
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's							
WILKIN COUNTY.	3	1	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WINONA COUNTY.	93	12	-	1	3	2	2	7	8	-	1	1	1	11	9	6	14	5	3	2	1	1	3	2	1	1	1	1	1
1 TO 19 EMPLOYEES.	48	6	-	-	3	1	1	3	6	-	1	1	-	8	3	3	9	-	1	2	-	-	2	2	-	-	-	-	-
20 TO 99 EMPLOYEES.	28	3	-	1	-	1	1	3	-	-	-	-	-	2	5	2	4	3	2	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	12	3	-	1	-	-	-	1	1	-	-	-	-	1	-	1	-	2	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	5	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
WRIGHT COUNTY.	74	11	-	4	4	1	-	11	-	1	6	-	-	11	-	5	12	1	4	-	-	3	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	49	6	-	-	1	-	-	11	-	1	4	-	-	9	-	2	10	-	3	-	-	2	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	22	4	-	3	3	1	-	-	-	2	-	-	-	2	-	3	2	-	1	-	-	1	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
YELLOW MEDICINE COUNTY.	18	3	-	-	-	1	1	5	-	-	-	-	-	2	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	13	2	-	-	1	1	-	5	-	-	-	-	-	2	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-

Note: Data on number of establishments by employment size class by 4-digit SIC industry for States, counties, and selected cities are presented in Location of Manufacturing Plants data series. This series is available only on computer tape (see Introduction).

- Represents zero.

¹Only those counties and size classes that include data for manufacturing establishments are shown.

Mississippi

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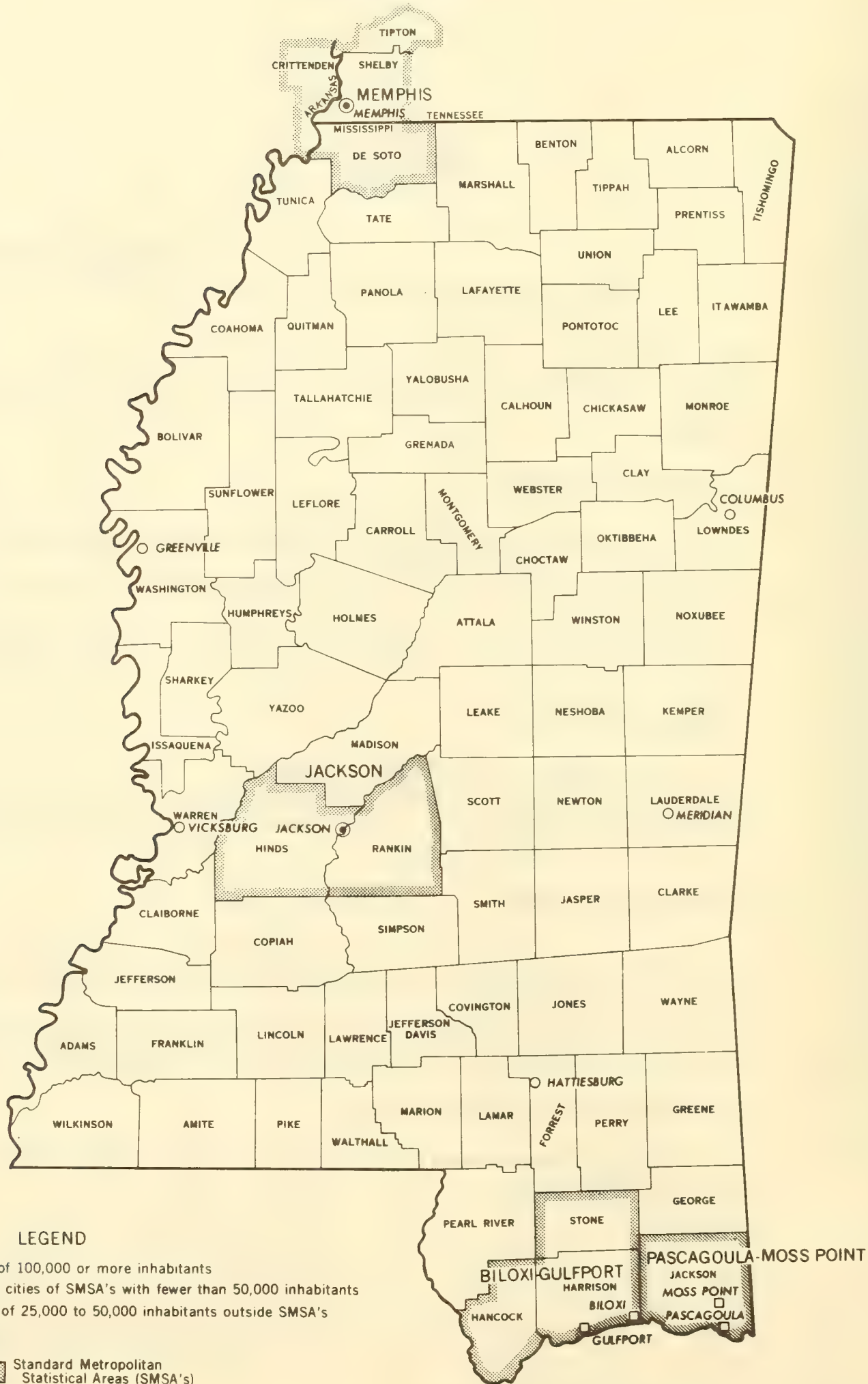
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MISSISSIPPI



SUMMARY OF FINDINGS

In 1977, 219.4 thousand persons were employed in Mississippi's manufacturing establishments. This figure represented an increase of 9 percent from the 1972 figure of 200.4 thousand workers.

The total value added by manufacture for the State amounted to \$5,619 million in 1977, an increase of approximately 99 percent from the 1972 figure of \$2,825 million. All dollar figures in this report are in current dollars and are, therefore, not adjusted for changes in price levels.

In the State, the most important industry groups ranked by employment were apparel and other textile products, transportation equipment, lumber and wood products, and electric and electronic equipment. They accounted for approximately 51 percent of the State's 1977 employment. These same industry groups were in the forefront for 1972 when they accounted for approximately 50 percent of the State's employment.

The most important counties in the State ranked by employment were Jackson, Hinds, Lee, and Lowndes. They accounted for approximately 30 percent of the State's 1977 manufacturing employment. In 1972, these same counties accounted for approximately 26 percent of the State's employment.

The methods of data collection and use of administrative records data are discussed in detail in the Introduction. Small single-unit companies with up to 20 employees (the cutoff varied by industry) were excluded from the mail portion of the census. For these establishments (and a small number of larger establishments whose reports were not received in time to be tabulated), statistics on payrolls and receipts were obtained from administrative records of other government agencies. Other statistics were developed from industry averages. For this State, these establishments accounted for 3 percent of the total value of shipments.

Table 1. Historical Employment Statistics for Operating Manufacturing Establishments and Central Administrative Offices: 1977 and Earlier Years

(For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

State, standard metropolitan statistical area, and year	All establishments		Operating manufacturing establishments		Central administrative offices and auxiliaries ¹	
	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)
Mississippi:						
1977.....	219.4	2,061.5	216.8	2,032.6	2.6	28.9
1972.....	200.4	1,302.4	198.0	1,281.8	2.1	18.7
1967.....	160.4	764.0	159.3	756.0	1.1	8.0
1963.....	128.5	486.2	127.8	480.9	.7	5.3
STANDARD METROPOLITAN STATISTICAL AREAS						
Biloxi-Gulfport:						
1977.....	6.4	65.5	5.6	56.2	.8	9.3
1972.....	5.8	40.7	(D)	(D)	(D)	(D)
Jackson:						
1977.....	17.2	185.9	17.1	183.9	.1	2.0
1972.....	15.6	105.9	15.3	102.6	.3	3.3
1967.....	13.8	72.1	13.4	70.0	.4	2.1
1963.....	11.6	50.6	11.5	49.5	.1	1.1
Memphis, Tenn.-Ark.-Miss.:						
1977.....	64.1	780.1	61.6	744.4	2.5	35.7
1972.....	64.2	525.9	62.7	509.5	1.5	16.4
1967.....	57.4	332.8	56.1	321.4	1.3	11.4
1963.....	47.2	241.4	46.2	233.9	1.0	7.5
Pascagoula-Moss Point:						
1977.....	30.1	375.0	30.1	375.0	(Z)	(Z)
1972.....	22.8	231.3	(NA)	(NA)	(NA)	(NA)

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Defined in appendix B. Data for these establishments are included at the total manufacturing level in each table in this report. Data for these establishments are shown separately in tables 5 and 9 and included in State, SMSA, county, or city totals in other tables.

**Table 2a. Historical Statistics for the State and Selected Standard Metropolitan Statistical Areas:
1977 and Earlier Years**

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Establishments ²		All employees ²		Production workers							Comparative indexes and U.S. employment			
	With 20 employees or more											Percent of U.S. manufacturing employment (per- cent)	Index of State em- ploy- ment change (1977= 100)	United States	
	Total (no.)	(no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours mil- lions	Wages (million dollars)	Value added by manu- facture (million dollars)	Cost of materials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)			Index of manufac- turing employ- ment change (1977= 100)	U.S. manu- facturing employ- ment (1,000)
MISSISSIPPI															
1977 CENSUS.	3 289	1 147	219.4	2 061.5	177.9	348.1	1 477.3	5 619.3	7 279.4	12 765.8	470.8	1.12	100	100	19 596.9
1976 ASM....	(NA)	(NA)	209.5	1 817.0	170.0	331.3	1 306.5	4 393.1	6 579.4	10 867.6	336.9	1.12	95	96	18 753.0
1975 ASM....	(NA)	(NA)	193.4	1 560.5	156.5	296.8	1 116.8	3 660.6	5 788.2	9 471.8	259.3	1.06	88	94	18 302.2
1974 ASM....	(NA)	(NA)	209.2	1 508.0	169.3	323.2	1 073.1	3 785.9	5 370.0	9 036.8	319.7	1.05	95	102	19 844.8
1973 ASM....	(NA)	(NA)	209.2	1 413.9	172.2	340.5	1 022.5	3 477.4	4 463.9	7 845.7	239.0	1.05	95	102	19 897.9
1972 CENSUS.	2 727	1 066	200.4	1 302.4	166.9	332.0	958.6	2 824.7	3 766.3	6 540.8	235.9	1.05	91	98	19 028.7
1971 ASM....	(NA)	(NA)	181.7	1 070.2	150.2	296.4	787.8	2 237.2	3 053.9	5 272.2	189.0	.99	83	94	18 363.1
1970 ASM....	(NA)	(NA)	178.8	990.5	147.6	290.7	718.5	2 102.9	2 766.0	4 836.5	274.7	.93	82	99	19 217.2
1969 ASM....	(NA)	(NA)	174.9	929.1	144.1	285.1	679.4	1 912.0	2 556.9	4 465.0	185.4	.87	80	103	20 035.5
1968 ASM....	(NA)	(NA)	169.2	866.4	140.2	282.0	639.0	1 846.9	2 343.8	4 180.1	143.7	.87	77	100	19 527.6
1967 CENSUS.	2 761	925	160.4	764.0	133.8	269.7	560.9	1 635.3	2 111.8	3 719.3	276.2	.83	73	99	19 323.2
1966 ASM....	(NA)	(NA)	157.8	684.8	133.6	271.3	513.3	1 488.5	1 999.2	3 447.8	187.6	.83	72	98	19 024.5
1965 ASM....	(NA)	(NA)	147.1	601.8	124.5	249.8	455.5	1 206.1	1 826.9	3 015.0	117.5	.82	67	92	18 010.2
1964 ASM....	(NA)	(NA)	133.5	533.7	111.6	225.8	400.4	1 111.6	1 621.0	2 718.9	103.7	.77	61	89	17 268.5
1963 CENSUS.	2 384	848	128.5	486.2	108.5	214.5	367.9	1 017.0	(NA)	(NA)	131.2	.76	59	87	16 958.4
MEMPHIS, TENN.-ARK.-MISS., SMSA															
1977 CENSUS.	1 156	458	64.1	780.1	45.4	90.3	484.9	2 159.7	3 442.9	5 608.3	161.0	.33	100	100	19 596.9
1976 ASM....	(NA)	(NA)	61.3	692.0	42.4	81.9	414.1	1 778.1	3 113.9	4 881.9	139.4	.33	96	96	18 753.0
1975 ASM....	(NA)	(NA)	62.5	645.4	42.8	83.8	402.7	1 622.2	2 940.0	4 561.2	155.3	.34	97	94	18 302.2
1974 ASM....	(NA)	(NA)	66.7	637.7	48.1	94.9	406.9	1 655.3	2 964.2	4 510.2	138.5	.34	104	102	19 844.8
1973 ASM....	(NA)	(NA)	68.2	587.3	49.5	98.0	378.4	1 548.1	2 363.0	3 891.3	119.8	.34	106	102	19 897.9
1972 CENSUS.	1 046	461	64.2	525.9	46.8	94.9	341.9	1 352.4	1 857.6	3 170.6	84.4	.34	100	98	19 028.7
1971 ASM....	(NA)	(NA)	58.6	440.7	41.7	84.3	278.5	1 082.2	1 570.7	2 651.0	90.6	.32	91	94	18 363.1
1970 ASM....	(NA)	(NA)	62.6	430.0	44.8	88.7	264.1	1 023.8	1 473.2	2 488.6	71.9	.33	98	99	19 217.2
1969 ASM....	(NA)	(NA)	63.5	409.9	47.6	94.0	267.8	1 014.6	1 397.7	2 398.0	55.4	.32	99	103	20 035.5
1968 ASM....	(NA)	(NA)	59.7	372.4	44.7	89.0	243.1	906.4	1 344.7	2 248.2	71.4	.31	93	100	19 527.6
1967 CENSUS.	862	387	57.4	332.8	42.1	83.3	211.2	796.3	1 291.2	2 078.6	52.2	.30	90	99	19 323.2
1966 ASM....	(NA)	(NA)	50.8	296.7	37.6	77.6	191.0	765.8	1 179.6	1 917.7	69.1	.27	79	98	19 024.5
1965 ASM....	(NA)	(NA)	48.7	270.1	36.0	75.3	175.7	673.4	1 064.2	1 723.4	41.4	.27	76	92	18 010.2
1964 ASM....	(NA)	(NA)	47.9	256.0	35.0	73.0	166.8	608.5	985.3	1 600.7	37.9	.28	75	89	17 268.5
1963 CENSUS.	816	353	47.1	241.4	34.0	70.2	153.9	575.3	(NA)	(NA)	28.3	.28	73	87	16 958.4

¹NA Not available.

²In annual survey of manufactures (ASM) years, data are estimates based on a representative sample of establishments canvassed annually and may differ from results of a complete canvass of all establishments. ASM publication shows percentage standard errors. Unless otherwise noted, for data prior to 1963, see 1963 Census of Manufactures, vol. III, table 1 of State chapter.

³Including central administrative offices and auxiliaries (for definition, see appendix B).

⁴Aggregate cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 2b. Selected Operating Ratios for the State and Selected Standard Metropolitan Statistical Areas: 1977 and Earlier Years

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials as percent of value of shipments (percent)	Cost of materials and payroll as percent of value of shipments (percent)	Value added per employee (dollars)	Payroll as percent of value added (percent)	Value added per production worker hour (dollars)
MISSISSIPPI									
1977 CENSUS.....	9 397	81	1 956	4.24	57	73	25 614	37	16.14
1976 ASM.....	8 673	81	1 949	3.94	61	77	20 969	41	13.26
1975 ASM.....	8 069	81	1 896	3.76	61	78	18 928	43	12.33
1974 ASM.....	7 208	81	1 909	3.32	59	76	18 097	40	11.71
1973 ASM.....	6 759	82	1 977	3.00	57	75	16 622	41	10.21
1972 CENSUS.....	6 499	83	1 989	2.89	58	77	14 095	46	8.51
1971 ASM.....	5 890	83	1 973	2.66	58	78	12 313	48	7.55
1970 ASM.....	5 540	83	1 970	2.47	57	78	11 761	47	7.23
1969 ASM.....	5 312	82	1 978	2.38	57	78	10 932	49	6.71
1968 ASM.....	5 121	83	2 011	2.27	56	77	10 915	47	6.55
1967 CENSUS.....	4 763	83	2 016	2.08	57	77	10 195	47	6.06
1966 ASM.....	4 340	85	2 031	1.89	58	78	9 433	46	5.49
1965 ASM.....	4 091	85	2 006	1.82	61	81	8 199	50	4.83
1964 ASM.....	3 998	84	2 023	1.77	60	79	8 327	48	4.92
1963 CENSUS.....	3 784	84	1 977	1.72	(NA)	(NA)	7 914	48	4.74
MEMPHIS, TENN.-ARK.-MISS., SMSA									
1977 CENSUS.....	12 166	71	1 989	5.37	61	75	33 681	36	23.90
1976 ASM.....	11 289	69	1 932	5.06	64	78	29 007	39	21.71
1975 ASM.....	10 326	68	1 958	4.81	64	79	25 955	40	19.36
1974 ASM.....	9 561	72	1 973	4.29	66	80	24 817	39	17.44
1973 ASM.....	8 611	73	1 980	3.86	61	76	22 699	38	15.80
1972 CENSUS.....	8 192	73	2 028	3.60	59	75	21 065	39	14.25
1971 ASM.....	7 520	71	2 022	3.30	59	76	18 468	41	12.84
1970 ASM.....	6 869	72	1 980	2.98	59	76	16 355	42	11.54
1969 ASM.....	6 455	75	1 975	2.85	58	75	15 978	40	10.79
1968 ASM.....	6 238	75	1 991	2.73	60	76	15 183	41	10.18
1967 CENSUS.....	5 798	73	1 979	2.54	62	78	13 873	42	9.56
1966 ASM.....	5 841	74	2 064	2.46	62	77	15 075	39	9.87
1965 ASM.....	5 546	74	2 092	2.33	62	77	13 828	40	8.94
1964 ASM.....	5 344	73	2 086	2.28	62	78	12 704	42	8.34
1963 CENSUS.....	5 125	72	2 065	2.19	(NA)	(NA)	12 214	42	8.20

Note: For qualifications to data, see footnotes on table 2a.
(NA) Not available.

Table 3a. Summary Statistics for the State: 1977 and 1972

[For explanation of terms, see appendix B]

Item	Unit of measure	1977	1972
All establishments ¹	number	3 289	2 727
With 1 to 19 employees	do	2 142	1 661
With 20 to 99 employees	do	654	589
With 100 employees or more	do	493	477
All employees, average for year ¹	1,000	219.4	200.4
Payroll for year, all employees ¹	mil. dollars ..	2 061.5	1 302.4
Production workers:			
Average for year	1,000	177.9	166.9
March	do	172.4	161.3
May	do	177.1	164.0
August	do	179.9	170.8
November	do	181.9	171.7
Hours	millions	348.1	332.0
January to March	do	83.0	79.2
April to June	do	88.5	83.5
July to September	do	87.7	83.3
October to December	do	88.9	86.0
Wages	mil. dollars ..	1 477.3	958.6
Cost of materials, etc. ²	do	7 279.4	3 766.3
Materials, parts, containers, etc., consumed	do	6 616.1	3 457.3
Resales	do	264.4	123.9
Fuels consumed	do	168.5	64.2
Purchased electric energy	do	142.9	50.3
Contract work	do	87.5	70.6
Value of shipments, including resales ²	do	12 765.8	6 540.8
Value of resales	do	365.0	144.5
Value added by manufacture	do	5 619.3	2 824.7
Manufacturers' inventories:			
Beginning of year	do	1 355.3	795.7
Finished products	do	493.2	263.1
Work in process	do	320.7	256.7
Materials, supplies, fuel, etc.	do	541.4	275.9
End of year	do	1 494.0	859.8
Finished products	do	587.5	263.8
Work in process	do	348.0	299.1
Materials, supplies, fuel, etc.	do	558.6	296.9
Capital expenditures for plant and equipment	do	502.5	243.8
New capital expenditures	do	470.8	235.9
New buildings and other structures	do	106.2	78.1
New machinery and equipment	do	364.6	157.8
Used capital expenditures	do	31.7	7.9

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies.

¹Including central administrative offices and auxiliaries (for definition, see appendix B).

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 3b. Supplemental State Statistics Based on Sample Estimates: 1977

(For explanation of terms, see appendix B. For description of annual survey of manufactures (ASM), see appendix F)

Item	Amount (million dollars)	Standard error of estimate (percent)	Item	Amount (million dollars)	Standard error of estimate (percent)
Gross value of depreciable assets:			Rental payments:		
Total:			Total	63.1	4
Beginning of year	3,621.4	1.	Buildings and other structures	21.6	4
New capital expenditures	485.5	2	Machinery and equipment	41.5	5
Used capital expenditures	34.6	13			
Retirements	89.3	5	Depreciation charges during 1977:		
End of year	4,052.1	1	Total	312.4	1
Buildings and other structures:			Buildings and other structures	65.2	3
Beginning of year	1,225.1	2	Machinery and equipment	247.3	2
New capital expenditures	107.7	5			
Used capital expenditures	(6.3)	26	Supplemental labor costs:		
Retirements	20.8	9	Total	323.0	1
End of year	1,318.4	2	Legal costs	163.2	1
Machinery and equipment:			Voluntary costs	159.8	1
Beginning of year	2,396.2	1			
New capital expenditures	377.8	3	Purchased services:		
Automobiles, trucks, etc., for highway use ..	13.6	(NA)	Cost of purchased services for the repair of--		
Computers and peripheral data processing equip.	7.0	(NA)	Buildings and other structures	11.1	11
All other	268.8	(NA)	Response coverage ratio (percent)	62	(X)
New machinery and equipment, n.s.k.	88.3	(NA)	Machinery	(80.2)	(A)
Used capital expenditures	28.3	14	Response coverage ratio (percent)	62	(X)
Retirements	68.5	5	Cost of purchased communication services	(18.9)	(A)
End of year	2,733.8	1	Response coverage ratio (percent)	65	(X)

Note: Expenditures data, shown in tables 2a, 3a, and 4-8, are census universe figures and may differ from ASM sample estimates shown in this table. Table 3b figures represent best estimate of year-to-year change as measured by continuing ASM sample, but are subject to sampling errors. Hence, as estimates of level, they are not as reliable as universe figures.

(A) Indicates standard errors of 100 percent or more. Figures in parentheses have standard errors of 15 percent or more. (NA) Not available. n.s.k. Not specified by kind. (X) Not applicable.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area		1977										1972		
		All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)						
Mississippi-----	-	3 289	1 147	219.4	2 061.5	177.9	348.1	1 477.3	5 619.3	7 279.4	12 765.8	470.8	200.4	2 824.7
STANDARD METROPOLITAN STATISTICAL AREAS														
Biloxi-Gulfport-----	-	202	54	6.4	65.5	4.2	8.3	38.0	152.6	176.9	329.8	50.9	5.8	85.4
Jackson-----	-	367	127	17.2	185.9	13.1	26.3	125.0	537.5	576.3	1 099.2	39.1	15.6	235.8
Memphis, Tenn.-Ark.-Miss.-----	-	1 156	458	64.1	780.1	45.4	90.3	484.9	2 159.7	3 442.9	5 608.3	161.0	64.2	1 352.4
Portion in Tennessee-----	-	1 041	411	59.2	727.1	41.7	83.1	451.2	2 054.8	3 254.4	5 317.5	148.1	59.6	1 277.1
Portion in Mississippi-----	E1	62	25	3.4	36.7	2.5	4.9	22.5	66.4	112.7	176.2	8.5	2.4	37.3
Portion in Arkansas-----	E1	53	22	1.6	16.3	1.2	2.4	11.2	38.6	75.8	114.5	4.4	2.1	38.0
Pascagoula-Moss Point-----	-	86	32	30.1	375.0	22.3	48.5	249.2	1 417.9	1 677.8	3 064.2	52.6	22.8	357.7
COUNTIES														
Adams-----	-	69	18	3.5	53.2	2.8	5.6	41.9	139.4	161.6	298.6	17.8	3.9	78.4
Alcorn-----	-	63	23	6.2	62.2	5.2	10.3	46.1	151.0	126.6	275.2	28.1	5.2	73.4
Amite-----	-	36	4	0.9	8.2	0.8	1.7	7.0	26.6	27.1	53.3	1.8	0.8	15.2
Attala-----	-	38	13	2.0	20.0	1.6	3.9	15.1	39.4	38.1	75.1	3.5	2.1	33.1
Benton-----	-	9	2	0.2	1.6	0.2	0.3	1.3	2.8	1.6	4.4	0.1	0.3	2.5
Bolivar-----	-	20	7	2.7	25.0	2.4	4.2	19.5	70.6	58.2	127.1	(D)	2.3	29.9
Calhoun-----	-	31	11	1.5	11.0	1.4	2.5	8.9	17.1	25.8	42.8	0.6	1.5	10.9
Carroll-----	E2	10	2	0.1	0.8	0.1	0.1	0.5	2.2	1.5	3.7	0.1	0.3	2.3
Chickasaw-----	E1	62	31	4.3	30.5	3.8	6.8	24.3	66.2	78.2	143.8	2.7	3.7	47.2
Choctaw-----	-	16	5	1.0	7.2	0.9	1.6	5.6	15.8	19.2	35.3	0.7	0.8	8.8
Claiborne-----	-	20	7	0.8	7.0	0.7	1.5	5.5	16.4	27.7	43.6	1.1	0.5	7.9
Clarke-----	-	36	10	2.6	20.5	2.3	4.2	16.8	50.0	54.3	102.6	(D)	1.8	22.4
Clay-----	-	26	9	3.8	43.1	3.2	6.0	33.2	109.2	192.2	301.8	6.9	3.2	68.1
Coahoma-----	-	27	17	1.6	16.3	1.1	2.2	11.0	42.9	78.0	119.3	2.3	1.5	29.2
Copiah-----	E3	42	14	2.4	16.9	2.0	3.8	12.7	33.3	55.9	88.8	1.8	2.2	23.3
Covington-----	-	17	7	1.1	7.9	1.1	2.1	6.8	14.6	36.7	50.8	(D)	1.0	11.7
De Soto-----	E1	62	25	3.4	36.7	2.5	4.9	22.5	66.4	112.7	176.2	8.5	2.4	37.3
Forrest-----	-	64	23	4.3	39.8	3.4	6.6	27.1	118.3	146.3	262.3	6.8	4.1	63.8
Franklin-----	E1	22	4	0.4	2.8	0.3	0.8	2.3	5.6	8.8	14.4	0.5	0.4	3.9
George-----	E4	22	2	0.1	1.1	0.1	0.2	0.9	2.3	2.9	5.2	0.2	0.1	1.5
Greene-----	E2	17	1	0.2	1.3	0.2	0.4	1.2	2.3	1.0	3.3	0.1	(D)	(D)
Grenada-----	-	30	16	3.8	35.2	3.4	6.3	29.0	79.1	139.8	211.9	3.9	3.8	51.1
Hancock-----	E3	16	3	0.7	9.1	0.1	0.1	0.3	2.0	0.9	2.8	0.1	0.9	7.4
Harrison-----	-	150	46	4.9	49.1	3.5	6.6	31.2	128.6	145.3	274.2	49.4	4.0	65.0
Hinds-----	-	288	99	14.2	153.2	10.7	21.7	102.9	424.9	442.5	855.9	33.5	12.7	175.8
Holmes-----	-	25	8	0.8	6.2	0.7	1.4	4.8	11.9	13.8	25.0	0.6	1.4	14.0
Humphreys-----	-	10	2	0.3	2.2	0.3	0.5	2.0	6.7	7.3	14.0	0.1	0.4	4.4
Itawamba-----	-	31	15	2.3	16.6	2.1	3.9	13.9	39.4	77.5	117.8	1.3	2.2	32.2
Jackson-----	-	86	32	30.1	375.0	22.3	48.5	249.2	1 417.9	1 677.8	3 064.2	52.6	22.8	357.7
Jasper-----	E2	35	3	0.7	5.8	0.6	1.2	4.3	15.7	14.8	30.2	1.3	0.8	8.3
Jefferson-----	-	11	3	0.3	2.5	0.3	0.6	2.2	3.5	7.1	10.1	0.5	0.4	3.0
Jefferson Davis-----	E7	12	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	3.0
Jones-----	-	81	29	5.7	55.9	4.5	8.7	38.5	125.2	195.2	319.8	8.4	4.7	62.8
Kemper-----	E1	17	4	0.4	3.2	0.3	0.6	2.3	8.6	7.9	15.8	0.5	0.3	2.8
Lafayette-----	-	19	7	1.8	12.9	1.6	3.0	9.9	28.7	40.1	67.9	8.8	1.0	18.7
Lamar-----	-	33	16	1.6	13.7	1.4	2.8	10.5	37.8	166.8	189.8	5.4	1.3	15.1
Lauderdale-----	-	105	42	5.0	45.6	3.8	7.6	30.7	115.5	157.1	264.0	10.9	4.7	57.9
Lawrence-----	-	15	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Leake-----	-	39	5	1.3	7.5	1.2	2.2	5.6	16.3	29.4	45.8	1.0	1.2	11.0
Lee-----	-	118	59	13.1	115.5	10.4	19.9	80.7	268.8	396.9	665.0	13.6	10.5	128.0
Leflore-----	-	44	15	2.5	18.9	2.1	4.0	13.8	46.1	61.9	106.5	4.4	2.5	27.8
Lincoln-----	-	54	18	1.9	15.1	1.6	2.9	11.0	36.4	44.8	84.4	2.9	2.0	24.8
Lowndes-----	-	57	36	7.4	69.2	5.8	11.7	47.8	194.4	220.7	407.0	32.7	5.8	94.9
Madison-----	-	62	19	1.8	14.7	1.4	2.6	9.4	33.9	54.4	87.3	4.9	2.6	28.7
Marion-----	-	40	9	1.7	12.0	1.4	2.4	9.1	27.3	37.4	64.9	1.4	2.2	19.4
Marshall-----	-	35	11	1.5	12.7	1.2	2.3	9.8	26.9	28.1	54.9	0.9	2.5	24.1
Monroe-----	-	50	26	4.8	39.1	4.2	7.4	30.4	106.9	149.2	256.1	16.5	6.0	81.1
Montgomery-----	E2	25	9	1.3	10.0	1.0	1.9	7.2	20.1	17.5	37.8	2.5	1.2	11.8
Neshoba-----	-	43	9	2.5	20.8	2.1	4.2	16.7	59.0	62.2	120.4	5.1	2.6	38.7
Newton-----	-	27	9	2.4	18.0	2.2	4.1	14.9	23.4	27.1	50.9	1.4	2.2	23.3
Noxubee-----	-	16	8	0.7	5.0	0.7	1.3	4.1	12.9	20.1	33.1	0.6	1.0	9.4
Oktibbeha-----	-	39	13	1.6	12.6	1.2	2.4	8.3	35.4	41.3	76.4	0.8	1.6	19.7
Panola-----	-	28	16	2.6	19.7	2.3	4.3	15.7	42.1	62.1	100.4	4.9	1.7	17.5
Pearl River-----	E1	45	14	1.5	12.3	1.2	2.5	9.1	24.1	26.9	49.3	2.0	1.7	11.5
Perry-----	-	18	6	0.8	7.0	0.7	1.5	5.8	16.7	19.7	36.3	(D)	0.6	6.3
Pike-----	E1	59	17	2.8	20.8	2.1	4.1	13.8	50.1	58.8	108.7	2.6	3.4	40.2
Pontotoc-----	-	47	17	3.2	24.4	2.7	4.9	18.9	51.0	50.7	101.7	2.0	2.6	29.2
Prentiss-----	E1	43	16	2.7	18.4	2.4	4.3	15.1	31.9	30.9	62.5	1.3	2.4	20.8
Quitman-----	-	7	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Rankin-----	-	79	28	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.9	60.0
Scott-----	-	38	18	3.5	22.8	3.3	6.4	19.4	60.0	162.5	224.4	5.1	3.0	47.0
Sharkey-----	-	8	3	0.3	2.3	0.3	0.6	1.8	4.6	6.1	10.6	0.2	0.3	2.3
Simpson-----	-	22	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Smith-----	-	27	9	1.6	14.1	1.2	2.6	9.6	49.7	67.6	116.0	2.6	1.6	24.6
Stone-----	-	36	5	0.8	7.2	0.7	1.6	6.4	22.0	30.7	52.8	1.4	0.9	12.9
Sunflower-----	-	19	11	1.7	14.2	1.5	3.4	11.3	31.0	55.6	83.9	1.5	1.6	34.6
Tallahatchie-----	-	10	4	0.3	2.2	0.3	0.6	1.8	5.2	6.1	11.2	(D)	0.5	3.6
Tate-----	-	12	4	1.6	14.9	1.3	2.6	10.3	24.7	40.9	65.5	1.1	1.8	21.5
Tippah-----	-	47	13	2.4	16.8	2.2	4.0	14.1	36.9	35.0	71.9	2.9	1.7	17.0
Tishomingo-----	-	51	14	3.0	16.8	2.8	4.7	14.9	39.8	54.5	94.9	0.7	2.4	20.8
Tunica-----	E3	6	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Union-----	-	31	18	3.3	26.3	2.6	4.8	17.9	60.3	59.8	116.7	1.6	3.2	43.0
Walthall-----	E1	20	5	0.8	4.8	0.7	0.9	3.						

See footnotes at end of table.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area	E ¹	1977										1972		
		All establishments ²		All employees ²		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
		Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)						
COUNTIES—Con.														
Warren	-	50	19	3.5	41.5	2.8	5.8	30.0	133.2	193.4	325.0	2.9	4.5	95.5
Washington	-	88	41	5.5	49.3	4.6	8.6	36.2	101.5	162.8	263.4	5.5	5.2	73.9
Wayne	-	38	6	1.3	9.9	1.1	2.4	7.8	41.9	53.5	96.1	(D)	1.4	30.4
Webster	-	23	7	1.1	7.7	1.0	1.9	6.1	16.4	16.4	32.8	1.6	1.0	10.1
Wilkinson	-	29	4	0.7	5.5	0.7	1.3	4.9	16.5	17.7	34.0	1.0	0.7	9.3
Winston	-	38	11	2.2	20.6	1.7	3.4	12.7	60.6	63.5	123.7	3.1	2.5	39.4
Yalobusha	-	20	6	1.6	11.8	1.4	2.4	9.2	29.2	40.6	69.6	1.5	1.4	12.7
Yazoo	-	28	11	1.6	18.6	1.0	2.0	9.0	92.5	78.7	166.0	(D)	1.6	56.8
CITIES														
Aberdeen	-	13	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.5	29.6
Amory	-	20	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.6	19.6
Batesville	-	16	9	1.8	12.9	1.6	3.0	10.2	30.3	42.6	70.9	3.8	1.1	10.8
Bay St. Louis	-	14	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Biloxi	E1	59	16	1.0	9.9	0.7	1.4	6.0	21.4	45.4	66.7	2.9	1.1	14.2
Booneville	-	35	12	2.1	14.1	1.9	3.3	11.4	26.4	27.1	53.2	0.9	1.5	15.3
Brookhaven	-	48	18	1.9	15.0	1.6	2.9	10.9	35.7	44.4	83.3	(D)	2.0	24.2
Canton	-	34	13	1.2	9.1	1.0	1.8	5.6	20.7	41.4	61.2	3.0	1.5	16.1
Carthage	-	26	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.1	10.4
Clarksdale	-	25	16	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.3	26.9
Cleveland	-	12	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.8	23.5
Clinton	-	10	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Columbia	-	25	6	1.2	8.9	1.0	1.7	6.3	21.2	31.0	51.9	0.8	2.1	18.0
Columbus	-	53	32	5.8	52.2	4.7	9.4	37.0	136.7	167.8	296.8	29.2	4.5	80.5
Corinth	-	56	21	6.2	61.5	5.2	10.2	45.6	149.9	125.5	273.1	28.1	(D)	(D)
Crystal Springs	-	11	3	0.6	5.2	0.5	1.1	3.7	10.8	14.1	24.3	0.4	0.8	8.9
Forest	-	21	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.7	16.3
Fulton	-	24	12	1.9	14.3	1.7	3.3	11.8	35.3	75.8	112.0	1.2	1.8	25.8
Greenville	-	76	35	5.1	46.7	4.3	8.1	34.5	89.7	148.2	237.3	5.2	4.4	60.3
Greenwood	-	38	12	1.4	11.7	1.1	2.2	7.9	28.1	39.3	66.1	(D)	(D)	(D)
Grenada	-	22	13	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Gulfport	-	72	22	2.6	28.9	1.9	3.7	19.1	88.7	77.4	166.4	(D)	1.8	39.7
Hattiesburg	-	56	25	4.3	40.4	3.4	6.7	27.4	119.6	145.4	262.8	(D)	3.9	61.0
Hazlehurst	-	20	6	1.1	7.3	0.9	1.8	5.4	13.9	24.4	38.5	0.9	0.9	10.5
Holly Springs	-	21	8	1.2	10.4	1.0	1.9	8.4	20.3	20.8	41.0	0.5	1.2	13.3
Houston	-	27	13	2.0	13.4	1.7	3.2	10.4	28.7	37.8	66.0	1.2	1.8	22.8
Indianola	-	9	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Jackson	-	240	85	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	12.0	179.6
Kosciusko	-	29	12	1.9	19.6	1.5	3.8	14.7	38.2	37.6	73.4	(D)	2.1	32.2
Laurel	-	63	24	5.2	52.2	4.1	8.0	35.9	108.3	139.9	247.1	(D)	4.0	50.4
Louisville	-	33	10	2.2	20.2	1.6	3.3	12.4	59.8	62.1	121.4	3.1	2.5	39.0
McComb	-	22	6	1.1	8.5	0.8	1.5	5.1	24.8	26.4	51.3	0.4	0.9	4.8
Meridian	-	96	41	4.9	45.2	3.8	7.5	30.4	114.7	156.0	262.1	10.9	(D)	(D)
Morton	-	9	7	1.3	9.2	1.1	2.4	7.4	30.7	67.8	98.0	1.4	(D)	(D)
Moss Point	-	17	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.4	49.5
Natchez	E5	66	18	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.7	76.7
New Albany	-	24	14	2.7	20.4	2.3	4.3	15.9	54.8	56.1	107.6	1.4	2.5	40.1
Newton	-	10	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.1	15.5
Ocean Springs	E1	22	5	0.5	5.0	0.4	0.7	3.4	8.0	5.0	12.9	0.6	(NA)	(NA)
Okolona	E1	24	15	2.1	15.5	1.8	3.3	12.7	34.1	37.1	71.0	1.2	1.6	22.7
Oxford	-	16	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Pascagoula	-	36	16	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Pass Christian	E1	6	3	0.6	4.1	0.6	1.1	3.6	6.2	4.8	11.2	0.3	(D)	(D)
Philadelphia	-	38	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.6	38.5
Picayune	-	28	9	0.8	7.8	0.7	1.4	5.6	17.1	21.0	36.6	1.5	0.9	7.9
Pontotoc	-	30	13	2.7	22.0	2.3	4.1	16.7	46.4	48.3	94.5	1.8	2.3	27.2
Port Gibson	-	14	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Quitman	-	14	4	1.0	6.9	0.9	1.7	5.3	13.4	19.9	32.9	0.5	0.7	5.9
Ripley	-	28	9	1.9	13.5	1.8	3.2	11.3	31.3	28.3	59.8	2.6	(D)	(D)
Senatobia	-	7	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Starkville	-	27	9	1.1	9.4	0.8	1.5	5.6	30.2	32.6	62.6	0.7	1.3	18.2
Tupelo	-	94	47	10.6	97.1	8.2	15.8	66.4	228.8	354.3	583.0	11.0	8.5	110.3
Vicksburg	-	45	15	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.7	69.9
Water Valley	-	12	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Waynesboro	-	27	6	1.2	9.6	1.0	2.3	7.6	41.3	52.7	94.7	(D)	(D)	(D)
West Point	-	25	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Wiggins	-	27	5	0.8	6.9	0.7	1.6	6.1	21.3	29.8	51.2	1.4	(D)	(D)
Winona	E1	20	9	1.3	9.9	1.0	1.9	7.1	20.0	17.4	37.6	2.5	0.7	6.2
Yazoo City	-	21	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Including central administrative offices and auxiliaries (for definition, see appendix B).

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	All industries -----	-	3 289	1 147	219.4	2 061.5	177.9	348.1	1 477.3	5 619.3	7 279.4	12 765.8	470.8	200.4	2 824.7
20	Food and kindred products -----	-	322	157	18.2	160.3	13.4	26.6	95.2	443.9	1 312.0	1 745.4	31.8	17.0	223.7
201	Meat products -----	-	90	33	9.4	73.1	8.0	15.7	53.4	150.8	592.6	741.0	15.1	8.5	88.9
2011	Meat packing plants -----	-	53	10	3.0	32.0	2.3	4.9	22.2	50.5	278.2	327.3	5.5	2.9	34.4
2013	Sausages and other prepared meats -----	E3	12	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2016	Poultry dressing plants -----	-	20	17	6.0	37.8	5.4	10.1	28.7	93.0	279.6	372.6	8.8	5.3	49.5
2017	Poultry and egg processing --	E1	5	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
202	Dairy products -----	-	27	20	1.4	15.0	0.6	1.3	5.2	48.7	106.9	155.3	2.0	1.7	19.8
2024	Ice cream and frozen desserts -----	-	4	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	2.5
2026	Fluid milk -----	-	19	14	1.1	11.4	0.4	1.0	3.6	35.2	78.5	113.6	1.6	1.3	14.8
203	Preserved fruits and vegetables -----	-	8	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.3	2.4
2035	Pickles, sauces, and salad dressings -----	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
204	Grain mill products -----	-	50	19	1.1	10.4	0.9	1.7	6.3	44.6	183.0	225.9	3.3	1.0	20.1
2047	Dog, cat, and other pet food -	-	7	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2048	Prepared feeds, n.e.c. -----	-	42	14	0.7	5.8	0.6	1.0	3.6	25.0	138.4	162.2	1.3	0.7	11.0
205	Bakery products -----	-	18	11	1.2	13.4	0.5	0.9	4.9	28.9	26.6	55.5	1.6	1.4	25.2
2051	Bread, cake, and related products -----	-	18	11	1.2	13.4	0.5	0.9	4.9	28.9	26.6	55.5	1.6	1.4	25.2
207	Fats and oils -----	-	27	22	1.2	12.3	1.0	2.3	8.0	55.2	246.1	295.2	2.5	1.6	30.7
2074	Cottonseed oil mills -----	-	14	12	0.6	5.0	0.5	1.2	3.6	15.9	69.4	83.4	0.7	0.8	7.2
2075	Soybean oil mills -----	-	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2077	Animal and marine fats and oils -----	-	6	4	0.2	3.3	0.2	0.4	2.3	12.4	11.6	22.9	1.0	AA	(D)
208	Beverages -----	E1	44	29	1.9	20.0	0.6	1.3	5.3	55.1	67.9	122.9	4.6	2.1	30.9
2086	Bottled and canned soft drinks -----	E1	41	28	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.1	30.6
209	Miscellaneous foods and kindred products -----	-	56	18	1.4	11.9	1.2	2.2	8.6	42.2	68.9	111.0	2.1	0.5	5.4
2091	Canned and cured seafoods -	-	5	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2092	Fresh or frozen packaged fish -----	-	19	10	0.7	5.3	0.6	1.1	3.8	15.6	42.6	58.1	(D)	(NA)	(NA)
2099	Food preparations, n.e.c. -----	E1	17	4	0.5	5.1	0.4	0.7	3.7	21.2	16.6	37.8	0.3	(NA)	(NA)
22	Textile mill products --	-	29	19	7.8	65.4	6.8	13.1	52.4	148.2	187.7	328.2	(D)	7.4	82.6
2211	Weaving mills, cotton -----	-	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2241	Narrow fabric mills -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
225	Knitting mills -----	-	11	9	3.7	24.7	3.4	6.6	21.4	55.5	62.8	116.4	(D)	4.2	30.3
2251	Women's hosiery, except socks -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.2	11.8
2252	Hosiery, n.e.c. -----	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2254	Knit underwear mills -----	-	4	4	1.4	9.1	1.3	2.5	7.8	19.5	15.7	34.7	(D)	1.1	8.4
2257	Circular knit fabric mills -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2258	Warp knit fabric mills -----	-	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
227	Floor covering mills -----	-	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2279	Carpets and rugs, n.e.c. -----	-	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
228	Yarn and thread mills -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2281	Yarn mills, except wool -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
229	Miscellaneous textile goods ---	-	10	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2295	Coated fabrics, not rubberized -----	-	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
23	Apparel and other textile products -----	-	221	174	39.0	232.5	35.8	63.0	195.9	412.7	397.9	809.4	(D)	39.2	276.9
2311	Men's and boys' suits and coats -----	-	7	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
232	Men's and boys' furnishings ---	-	113	103	25.1	147.8	23.3	40.5	126.1	250.3	240.4	487.7	(D)	24.6	172.5
2321	Men's and boys' shirts and nightwear -----	-	29	26	4.9	25.7	4.5	7.8	22.1	40.8	27.1	67.2	(D)	6.1	38.7
2322	Men's and boys' underwear -	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2327	Men's and boys' separate trousers -----	-	23	17	4.5	28.2	4.2	7.1	24.6	46.9	62.1	111.1	(D)	FF	(D)
2328	Men's and boys' work clothing -----	-	49	49	13.5	80.4	12.7	22.1	69.6	136.6	136.9	266.6	(D)	6.6	42.3
2329	Men's and boys' clothing, n.e.c. -----	-	11	10	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
233	Women's and misses' outerwear -----	-	36	24	3.9	25.5	3.4	6.0	20.0	51.0	60.5	112.1	(D)	4.1	23.9
2331	Women's and misses' blouses and waists -----	E1	5	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2335	Women's and misses' dresses -----	E7	15	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	3.0
2339	Women's and misses' outerwear, n.e.c. -----	-	15	14	2.6	18.0	2.3	3.9	14.1	39.7	54.0	94.6	1.8	1.5	9.1

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
23	Apparel and other textile products—Con.														
234	Women's and children's undergarments	-	14	14	3.7	21.8	3.4	6.8	19.7	34.5	33.4	68.9	(D)	FF	(D)
2341	Women's and children's underwear	-	14	14	3.7	21.8	3.4	6.8	19.7	34.5	33.4	68.9	(D)	FF	(D)
236	Children's outerwear	-	7	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2361	Children's dresses and blouses	-	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2369	Children's outerwear, n.e.c. ..	-	5	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
238	Miscellaneous apparel and accessories	-	14	12	2.0	11.4	1.8	3.2	9.4	29.5	18.5	47.4	(D)	2.3	20.8
2381	Fabric dress and work gloves	-	11	10	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2384	Robes and dressing gowns ..	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
239	Miscellaneous fabricated textile products	-	30	9	1.4	8.9	1.2	2.1	6.4	19.1	26.1	44.9	(D)	2.3	20.2
2392	House furnishings, n.e.c.	E1	11	4	0.7	4.5	0.6	1.1	3.4	9.3	12.7	22.1	0.2	1.2	12.0
2396	Automotive and apparel trimmings	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2399	Fabricated textile products, n.e.c.	-	6	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
24	Lumber and wood products	-	1 106	194	22.3	201.2	19.1	38.7	155.5	515.8	687.2	1 192.7	53.6	23.0	292.8
2411	Logging camps and logging contractors	E3	676	14	2.3	22.7	2.0	3.3	18.0	53.6	98.2	152.2	8.6	2.1	25.1
242	Sawmills and planing mills	-	255	103	9.6	79.6	8.5	17.3	64.0	195.0	256.5	445.7	22.2	8.3	90.4
2421	Sawmills and planing mills, general	-	217	81	6.7	58.1	5.9	12.4	47.2	152.6	216.4	364.9	19.1	5.6	67.7
2426	Hardwood dimension and flooring	-	37	22	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
243	Millwork, plywood, and structural members	-	65	26	2.9	29.6	2.5	5.6	23.8	105.0	125.1	229.7	9.1	3.4	59.1
2431	Millwork	-	25	8	0.4	3.8	0.3	0.6	2.4	10.2	19.6	29.5	0.4	0.5	5.5
2434	Wood kitchen cabinets	-	21	4	0.5	3.3	0.4	0.6	2.1	5.8	5.7	12.0	0.3	0.6	6.8
2435	Hardwood veneer and plywood	-	4	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.6	5.9
2436	Softwood veneer and plywood	-	8	8	1.7	20.3	1.5	3.8	17.6	83.9	91.3	174.6	8.1	EE	(D)
244	Wood containers	-	36	12	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.9	18.4
2441	Nailed wood boxes and shooK	E1	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2448	Wood pallets and skids	E1	25	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2449	Wood containers, n.e.c.	-	7	4	0.6	3.9	0.5	0.9	2.6	12.1	10.5	22.6	(D)	1.1	11.0
245	Wood buildings and mobile homes	-	13	8	0.9	7.7	0.7	1.3	5.1	14.1	33.2	47.8	(D)	1.4	17.0
2451	Mobile homes	-	8	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
249	Miscellaneous wood products ..	-	61	31	5.4	53.1	4.4	9.1	38.5	128.3	157.9	281.0	12.3	5.8	82.8
2491	Wood preserving	-	31	14	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2492	Particleboard	-	3	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2499	Wood products, n.e.c.	-	27	14	4.2	40.4	3.4	6.9	29.7	88.0	82.5	169.7	6.9	FF	(D)
25	Furniture and fixtures ..	-	159	76	15.5	124.0	13.3	25.2	94.8	254.1	299.3	550.3	9.8	14.2	176.5
251	Household furniture	-	143	69	14.3	112.0	12.3	23.2	86.0	229.4	270.6	498.7	(D)	13.5	167.0
2511	Wood household furniture	E1	57	15	4.0	29.6	3.4	6.7	22.3	58.9	48.6	108.4	1.9	2.2	23.1
2512	Upholstered household furniture	-	65	44	8.4	65.9	7.4	13.6	53.3	139.3	170.4	308.0	3.3	7.6	102.0
2514	Metal household furniture	-	4	4	1.3	12.0	1.1	2.0	7.2	19.7	36.6	55.9	(D)	EE	(D)
2515	Mattresses and bedsprings ..	-	15	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2531	Public building and related furniture	-	4	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
254	Partitions and fixtures	-	7	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2541	Wood partitions and fixtures ..	-	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2542	Metal partitions and fixtures ..	-	3	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
26	Paper and allied products	-	42	27	5.9	85.8	4.9	9.7	67.0	270.6	312.6	578.9	18.2	6.5	168.6
2611	Pulp mills	-	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2631	Paperboard mills	-	4	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
264	Miscellaneous converted paper products	-	14	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2641	Paper coating and glazing	-	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2642	Envelopes	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2643	Bags, except textile bags	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2646	Pressed and molded pulp goods	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
265	Paperboard containers and boxes	-	20	15	1.3	15.0	1.0	1.9	9.5	29.6	50.3	80.0	(D)	1.4	21.9
2653	Corrugated and solid fiber boxes	-	13	11	1.0	12.3	0.8	1.5	7.9	24.0	46.2	70.2	3.4	0.9	13.7
2661	Building paper and board mills ..	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)

See footnotes at end of table.

Table 5. **Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—**
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
27	Printing and publishing -----	E1	309	44	4.5	44.2	2.6	5.0	22.1	93.8	55.0	145.2	26.7	3.2	41.2
2711	Newspapers -----	-	122	26	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.1	29.1
275	Commercial printing -----	E1	153	13	1.8	18.6	1.4	2.7	12.3	30.9	33.8	62.2	(D)	0.8	9.2
2751	Commercial printing, letterpress -----	E5	104	5	0.4	3.7	0.3	0.5	2.6	7.5	4.6	12.0	0.5	0.4	5.4
2752	Commercial printing, lithographic -----	-	43	7	1.1	10.7	0.8	1.5	7.0	17.8	24.4	41.6	1.5	BB	(D)
2754	Commercial printing, gravure -----	-	4	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
278	Blankbooks and bookbinding --	-	10	4	0.2	1.6	0.1	0.3	1.2	5.4	1.6	6.0	(D)	(NA)	(NA)
2782	Blankbooks and looseleaf binders -----	-	6	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
28	Chemicals and allied products -----	-	85	31	6.6	83.1	4.8	9.6	53.3	424.5	466.3	871.2	138.4	5.4	224.5
281	Industrial inorganic chemicals --	-	12	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2816	Inorganic pigments -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
282	Plastics materials and synthetics -----	-	9	7	1.6	22.1	1.2	2.5	15.1	90.6	116.3	206.9	14.4	CC	(D)
2821	Plastics materials and resins -	-	8	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2822	Synthetic rubber -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
283	Drugs -----	-	7	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2834	Pharmaceutical preparations -	-	6	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
284	Soaps, cleaners, and toilet goods -----	-	9	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2841	Soap and other detergents --	-	3	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2851	Paints and allied products -----	E6	9	3	0.2	2.9	0.1	0.2	1.1	7.8	12.3	20.1	0.3	(NA)	(NA)
286	Industrial organic chemicals ---	E1	9	4	0.4	4.8	0.3	0.5	3.0	15.8	31.0	45.7	6.8	EE	(D)
287	Agricultural chemicals -----	-	24	9	1.7	25.2	1.0	2.4	14.3	145.2	181.1	306.9	(D)	1.5	92.1
2873	Nitrogenous fertilizers -----	-	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2874	Phosphatic fertilizers -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2875	Fertilizers, mixing only -----	-	13	3	0.2	1.9	0.1	0.2	1.0	7.3	15.5	23.3	(D)	0.2	3.4
2879	Agricultural chemicals, n.e.c. -	-	8	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
29	Petroleum and coal products -----	-	21	9	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.3	83.4
2911	Petroleum refining -----	-	5	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
295	Paving and roofing materials ---	-	12	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2952	Asphalt felts and coatings ---	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
30	Rubber and miscellaneous plastics products -----	-	65	37	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	5.9	95.3
3011	Tires and inner tubes -----	-	3	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3031	Reclaimed rubber -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3069	Fabricated rubber products, n.e.c. -----	-	9	4	0.8	6.7	0.7	1.4	5.2	16.8	11.7	28.9	0.6	1.3	16.3
3079	Miscellaneous plastics products -----	-	51	29	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.4	33.8
31	Leather and leather products -----	-	10	9	2.1	15.0	1.9	3.7	12.8	31.9	32.6	53.4	(D)	2.3	25.0
314	Footwear, except rubber -----	-	5	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3144	Women's footwear, except athletic -----	-	5	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3161	Luggage -----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
32	Stone, clay, and glass products -----	-	195	69	7.3	78.8	5.8	12.0	56.9	203.6	202.4	400.7	(D)	6.7	117.2
322	Glass and glassware, pressed or blown -----	-	5	4	0.8	11.1	0.7	1.4	9.4	25.2	19.8	42.8	(D)	0.8	14.8
3221	Glass containers -----	-	3	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3231	Products of purchased glass ---	-	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3241	Cement, hydraulic -----	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
325	Structural clay products -----	-	18	15	1.3	10.9	1.1	2.2	7.7	26.2	20.6	47.4	(D)	1.5	19.0
3251	Brick and structural clay tile -	-	13	12	1.0	7.7	0.8	1.7	5.4	20.2	16.3	37.1	(D)	1.0	13.7
3253	Ceramic wall and floor tile ---	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
326	Pottery and related products ---	-	5	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3261	Vitreous plumbing fixtures ---	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)

See footnotes at end of table.

Table 5. **Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—**
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E1	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
32	Stone, clay, and glass products—Con.														
327	Concrete, gypsum, and plaster products	E1	134	35	2.4	23.5	1.8	3.6	15.3	56.5	67.0	123.6	(D)	2.2	38.6
3271	Concrete block and brick	E1	12	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	2.9
3272	Concrete products, n.e.c.	-	36	15	1.0	9.7	0.8	1.6	6.4	23.4	18.5	42.0	1.5	0.9	15.3
3273	Ready-mixed concrete	E1	85	17	1.2	12.2	0.9	1.7	8.0	30.3	42.0	72.4	(D)	1.2	20.3
3281	Cut stone and stone products ..	-	9	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
329	Miscellaneous nonmetallic mineral products	-	18	8	1.6	20.8	1.3	3.0	16.1	59.9	55.9	112.1	(D)	1.3	28.5
3291	Abrasive products	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3296	Mineral wool	-	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3297	Nonclay refractories	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3299	Nonmetallic mineral products, n.e.c.	-	10	1	0.2	2.9	0.2	0.3	2.3	10.9	7.9	18.9	0.4	BB	(D)
33	Primary metal industries	-	36	25	2.9	30.4	2.4	5.0	23.6	75.6	178.8	253.8	4.3	2.5	45.9
331	Blast furnace and basic steel products	-	10	7	0.6	6.5	0.4	1.0	4.5	13.0	29.7	42.2	1.1	0.4	7.6
3312	Blast furnaces and steel mills	E2	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3316	Cold finishing of steel shapes	-	4	3	0.2	2.4	0.1	0.3	1.2	5.3	10.8	15.7	(D)	(NA)	(NA)
332	Iron and steel foundries	E2	7	5	0.6	6.4	0.5	1.0	5.2	9.3	8.0	17.4	1.2	AA	(D)
3321	Gray iron foundries	E4	5	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3325	Steel foundries, n.e.c.	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
335	Nonferrous rolling and drawing -	-	11	10	1.6	15.7	1.4	2.8	12.4	47.4	134.2	181.7	1.9	1.5	31.8
3351	Copper rolling and drawing	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3354	Aluminum extruded products -	-	4	3	0.5	5.1	0.4	0.8	3.9	13.2	27.8	40.7	(D)	CC	(D)
3355	Aluminum rolling and drawing, n.e.c.	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3357	Nonferrous wire drawing and insulating	-	5	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.3	4.6
34	Fabricated metal products	-	161	70	9.4	99.1	7.5	14.7	72.2	272.9	279.7	551.4	(D)	10.2	193.1
341	Metal cans and shipping containers	-	7	4	0.3	5.0	0.3	0.6	4.0	23.7	22.4	45.9	(D)	0.3	9.5
3411	Metal cans	-	4	3	0.3	4.5	0.3	0.5	3.6	22.4	20.9	43.3	1.2	BB	(D)
342	Cutlery, hand tools, and hardware	-	9	6	1.6	17.6	1.3	2.6	12.1	33.0	36.3	67.9	(D)	0.9	16.7
3425	Hand saws and saw blades ..	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3429	Hardware, n.e.c.	-	7	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
344	Fabricated structural metal products	-	82	35	4.5	48.1	3.5	6.8	35.4	139.7	129.7	271.6	(D)	4.5	100.8
3441	Fabricated structural metal ..	E1	27	16	0.9	9.2	0.7	1.3	6.3	20.2	28.6	48.0	(D)	EE	(D)
3442	Metal doors, sash, and trim ..	-	10	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3443	Fabricated plate work (boiler shops)	-	10	6	1.7	21.7	1.5	2.8	18.2	73.4	38.4	114.6	(D)	1.7	47.5
3444	Sheet metal work	E1	24	5	0.4	4.4	0.3	0.6	2.6	7.9	14.9	23.0	(D)	0.3	3.9
3448	Prefabricated metal buildings	-	5	4	0.5	5.7	0.4	0.8	3.6	17.1	25.3	42.4	(D)	BB	(D)
345	Screw machine products, bolts, etc.	E1	6	4	0.2	2.5	0.2	0.4	1.9	3.9	4.4	8.1	(D)	BB	(D)
346	Metal forgings and stampings ..	-	15	9	1.7	17.2	1.4	2.8	12.6	47.3	57.3	103.7	(D)	2.6	40.6
3465	Automotive stampings	-	5	4	1.4	13.7	1.1	2.2	10.1	39.1	48.8	86.6	(D)	EE	(D)
3469	Metal stampings, n.e.c.	-	8	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.7	10.4
349	Miscellaneous fabricated metal products	-	27	8	0.7	6.1	0.6	1.0	4.3	16.7	23.7	40.2	0.7	1.3	18.6
3494	Valves and pipe fittings	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3495	Wire springs	-	3	3	0.2	1.4	0.2	0.3	1.0	3.3	5.1	8.4	0.3	BB	(D)
35	Machinery, except electrical	-	233	70	11.9	129.5	9.1	17.9	85.6	309.4	352.3	650.5	22.5	8.9	153.8
352	Farm and garden machinery	-	33	21	2.9	25.3	2.4	4.9	18.4	62.4	126.5	186.8	2.9	2.6	51.1
3523	Farm machinery and equipment	-	26	16	1.0	9.6	0.8	1.5	6.6	23.3	32.8	55.1	1.0	0.7	9.3
3524	Lawn and garden equipment ..	-	7	5	1.9	15.6	1.5	3.4	11.8	39.1	93.8	131.7	2.0	1.9	41.8
353	Construction and related machinery	-	25	16	2.7	33.3	1.6	3.3	17.3	76.0	77.0	150.7	9.6	2.0	21.7
3531	Construction machinery	E7	11	3	0.2	2.1	0.1	0.2	1.4	4.4	4.1	7.8	(D)	BB	(D)
3533	Oil field machinery	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3534	Elevators and moving stairways	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3535	Conveyors and conveying equipment	-	7	6	0.9	10.1	0.6	1.3	6.1	23.2	23.1	46.1	1.3	BB	(D)
3537	Industrial trucks and tractors ..	-	3	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
354	Metalworking machinery	E1	33	6	0.4	4.7	0.3	0.4	2.8	8.4	4.6	12.4	0.3	0.3	4.4
3544	Special dies, tools, jigs, and fixtures	E2	25	3	0.2	2.3	0.1	0.3	1.6	3.6	1.1	4.7	0.2	(NA)	(NA)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
35	Machinery, except electrical—Con.														
355	Special industry machinery ----	-	10	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3553	Woodworking machinery ----	-	4	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
356	General industrial machinery---	-	16	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3561	Pumps and pumping equipment -----	-	6	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
357	Office and computing machines-----	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3576	Scales and balances, except laboratory-----	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
358	Refrigeration and service machinery-----	-	13	7	2.1	22.1	1.8	2.9	18.3	45.4	65.4	107.5	2.3	EE	(D)
3581	Automatic merchandising machines-----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3585	Refrigeration and heating equipment-----	-	7	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
359	Miscellaneous machinery, except electrical-----	E2	101	11	1.2	12.9	1.0	1.9	9.3	27.3	14.3	40.4	2.0	CC	(D)
3592	Carburetors, pistons, rings, and valves-----	-	5	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3599	Machinery, except electrical, n.e.c.-----	E3	96	9	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
36	Electric and electronic equipment -	-	73	48	18.3	166.5	15.5	30.8	126.3	460.4	434.4	870.9	34.9	15.5	244.5
361	Electric distributing equipment -	-	10	7	4.5	39.1	3.9	7.4	29.8	95.6	110.6	201.6	4.1	3.0	40.7
3612	Transformers-----	-	6	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3613	Switchgear and switchboard apparatus-----	-	4	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
362	Electrical industrial apparatus--	-	7	6	3.7	32.2	3.2	6.2	26.0	96.5	73.8	162.7	9.7	3.3	51.7
3621	Motors and generators-----	-	6	6	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
363	Household appliances-----	-	15	11	4.0	29.9	3.3	7.1	22.6	99.5	84.1	175.4	6.7	FF	(D)
3631	Household cooking equipment-----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3634	Electric housewares and fans-----	-	13	10	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
364	Electric lighting and wiring equipment-----	-	14	9	2.3	25.7	1.9	3.8	17.8	60.6	77.6	137.1	3.2	2.5	53.3
3641	Electric lamps-----	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3644	Noncurrent-carrying wiring devices-----	-	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3646	Commercial lighting fixtures--	-	4	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3648	Lighting equipment, n.e.c.---	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
365	Radio and TV receiving equipment-----	-	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3651	Radio and TV receiving sets--	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
366	Communication equipment----	-	4	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3661	Telephone and telegraph apparatus-----	-	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
367	Electronic components and accessories-----	-	9	4	0.4	2.3	0.3	0.6	1.6	3.8	1.9	5.8	0.2	BB	(D)
3679	Electronic components, n.e.c.-----	-	5	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
369	Miscellaneous electrical equipment and supplies-----	-	11	8	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	5.1
3691	Storage batteries-----	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3694	Engine electrical equipment--	-	7	6	1.0	9.8	0.9	1.7	8.1	27.2	23.9	47.2	(D)	AA	(D)
37	Transportation equipment-----	-	77	36	31.3	383.3	23.7	51.1	262.7	572.7	486.7	1 051.8	35.4	23.1	267.8
371	Motor vehicles and equipment--	-	29	15	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3713	Truck and bus bodies-----	-	9	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3714	Motor vehicle parts and accessories-----	-	18	10	3.2	43.9	2.8	5.3	35.5	145.2	71.1	211.1	18.0	CC	(D)
3715	Truck trailers-----	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
373	Ship and boat building and repairing-----	-	34	18	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3731	Ship building and repairing---	-	17	13	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3732	Boat building and repairing---	E2	17	5	0.3	2.9	0.2	0.4	1.9	5.4	5.3	10.6	0.3	(NA)	(NA)
38	Instruments and related products-----	-	25	9	2.0	14.0	1.8	3.4	11.3	32.0	28.8	64.2	1.7	1.6	28.0
3832	Optical instruments and lenses-----	-	4	2	0.3	2.7	0.2	0.4	1.7	4.1	1.3	5.4	(D)	(NA)	(NA)
384	Medical instruments and supplies-----	E1	11	3	0.2	1.5	0.2	0.3	1.1	3.3	2.9	5.8	(D)	(NA)	(NA)
3873	Watches, clocks, and watchcases-----	-	4	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B.]

SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
39	Miscellaneous manufacturing industries - - - - -	-	70	21	4.2	35.0	3.7	5.9	29.1	84.3	70.5	153.8	2.9	4.6	82.8
3931	Musical instruments - - - - -	-	4	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
394	Toys and sporting goods - - - - -	-	18	7	0.9	8.9	0.8	1.5	7.7	16.8	13.8	30.0	(D)	1.0	16.3
3949	Sporting and athletic goods, n.e.c. - - - - -	-	15	8	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
396	Costume jewelry and notions - - - - -	-	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3964	Needles, pins, and fasteners - - - - -	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
399	Miscellaneous manufactures - - - - -	-	37	9	0.7	5.5	0.5	1.0	3.7	9.9	12.5	22.0	(D)	0.4	5.0
3995	Burial caskets - - - - -	-	8	4	0.2	1.7	0.2	0.3	1.1	3.5	5.5	8.8	(D)	AA	(D)
3999	Manufacturing industries, n.e.c. - - - - -	E1	11	3	0.4	2.7	0.3	0.5	1.8	4.6	5.6	9.8	(D)	0.2	1.1
-	Administrative and auxiliary - - - - -	-	50	22	2.6	28.9	-	-	-	-	-	-	-	(NA)	(NA)

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹ Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
² Statistics for some industry groups and industries are withheld to avoid disclosing figures for individual companies. However, for such industry groups and industries with 150 employees or more, number of establishments is shown and employment size range is indicated by one of the following symbols: AA—150 to 249 employees; BB—250 to 499 employees; CC—500 to 999 employees; EE—1,000 to 2,499 employees; FF—2,500 employees or more. Statistics for industry groups shown include data for all component industries, regardless of whether data are shown for individual industries in the group.
³ Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Biloxi-Gulfport SMSA -----	-	202	54	5.4	85.5	4.2	8.3	38.0	152.5	176.9	329.8	50.9	5.8	85.4
20 209	Food and kindred products --	-	40	17	1.2	11.8	0.8	1.6	6.0	25.9	54.6	80.4	3.2	(NA)	(NA)
	Miscellaneous foods and kindred products-----	-	22	8	0.5	3.6	0.4	0.8	2.5	9.1	27.9	37.0	(D)	0.3	2.8
24	Lumber and wood products --	-	41	4	0.6	6.1	0.6	1.3	5.5	19.1	26.3	45.5	1.5	0.8	13.1
27	Printing and publishing -----	-	29	3	0.6	5.8	0.3	0.4	2.1	13.6	4.1	17.7	(D)	(NA)	(NA)
28	Chemicals and allied products-----	-	8	3	0.3	3.6	0.2	0.5	2.5	23.3	17.1	41.3	(D)	(NA)	(NA)
32	Stone, clay, and glass products-----	-	8	4	0.5	6.0	0.4	0.9	4.6	14.7	12.6	26.5	(D)	(NA)	(NA)
34	Fabricated metal products ---	E ¹	18	5	0.5	5.1	0.4	0.6	3.7	12.7	12.5	25.4	(D)	0.9	10.7
35	Machinery, except electrical -	-	17	5	0.6	7.7	0.5	1.0	5.8	24.1	22.6	46.7	(D)	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Jackson SMSA -----	-	367	127	17.2	185.9	13.1	26.3	125.0	537.5	576.3	1 099.2	39.1	15.6	235.8
20	Food and kindred products --	-	37	26	2.8	26.9	1.9	4.1	15.3	90.8	189.3	279.1	3.6	2.2	29.2
201	Meat products -----	-	8	5	1.0	7.2	0.9	1.9	5.8	22.9	59.0	81.1	(D)	0.8	5.3
202	Dairy products -----	-	3	3	0.3	3.3	0.2	0.3	1.3	8.9	20.3	29.1	(D)	(NA)	(NA)
208	Beverages -----	E2	3	3	0.4	4.6	0.1	0.3	1.2	12.3	15.0	27.4	(D)	(NA)	(NA)
2086	Bottled and canned soft drinks -----	E2	3	3	0.4	4.6	0.1	0.3	1.2	12.3	15.0	27.4	(D)	(NA)	(NA)
24	Lumber and wood products --	E1	39	7	0.6	5.1	0.6	0.8	3.6	10.9	14.7	24.5	(D)	(NA)	(NA)
25	Furniture and fixtures -----	-	11	6	1.8	14.9	1.4	2.8	10.4	29.8	25.9	57.3	0.3	(NA)	(NA)
26	Paper and allied products ---	-	8	5	0.5	6.1	0.4	0.8	4.2	10.7	22.4	33.4	1.3	0.6	10.9
2653	Corrugated and solid fiber boxes -----	-	5	4	0.4	4.8	0.3	0.6	3.4	8.2	20.2	28.6	(D)	(NA)	(NA)
275	Commercial printing -----	E2	40	4	0.3	3.3	0.2	0.4	2.2	7.0	4.0	10.9	0.6	(NA)	(NA)
28	Chemicals and allied products -----	-	14	6	0.4	3.8	0.3	0.5	2.0	43.3	29.0	73.3	2.8	(NA)	(NA)
32	Stone, clay, and glass products -----	-	31	16	1.8	21.7	1.4	2.8	15.1	58.6	61.5	118.2	(D)	1.6	34.8
327	Concrete, gypsum, and plaster products -----	-	15	7	0.5	5.3	0.4	0.8	3.3	14.0	15.5	29.4	(D)	0.5	10.1
329	Miscellaneous nonmetallic mineral products -----	-	6	3	0.4	5.5	0.4	0.8	4.2	19.4	14.7	33.9	1.0	(NA)	(NA)
33	Primary metal industries ----	-	7	4	0.4	4.1	0.3	0.7	3.4	9.9	16.6	25.8	0.4	0.6	10.3
34	Fabricated metal products ---	-	29	12	0.6	7.5	0.5	1.0	4.9	27.8	25.7	53.4	(D)	1.2	22.2
344	Fabricated structural metal products -----	-	22	10	0.5	5.9	0.4	0.8	3.7	13.9	19.2	33.1	(D)	0.6	8.7
3441	Fabricated structural metal -----	-	11	8	0.4	4.1	0.3	0.6	2.6	9.4	13.7	23.2	(D)	(NA)	(NA)
35	Machinery, except electrical -	-	37	7	1.3	16.4	0.9	2.3	9.1	35.6	31.9	68.4	2.2	1.4	24.3
36	Electric and electronic equipment -----	-	15	10	2.7	25.6	2.2	4.3	18.7	72.5	78.5	143.8	4.9	(NA)	(NA)
	Memphis, Tenn.-Ark.-Miss., SMSA -----	-	1 156	458	64.1	780.1	45.4	90.3	484.9	2 159.7	3 442.9	5 608.3	161.0	64.2	1 352.4
20	Food and kindred products --	-	97	67	10.5	141.2	6.8	14.5	84.6	448.7	1 409.5	1 876.2	33.6	9.9	263.8
201	Meat products -----	-	10	7	1.3	18.3	1.0	2.0	12.8	39.1	181.8	220.9	0.8	1.6	31.1
202	Dairy products -----	-	11	9	0.8	9.9	0.4	0.8	4.3	24.0	75.1	98.9	1.6	0.7	15.9
2026	Fluid milk -----	-	5	5	0.6	7.8	0.3	0.6	3.2	20.2	64.4	84.6	1.4	0.4	10.6
204	Grain mill products -----	-	16	10	1.5	24.3	1.1	2.5	18.6	135.2	175.7	307.6	8.7	1.3	54.7
2048	Prepared feeds, n.e.c. --	-	9	7	0.4	4.6	0.2	0.5	2.1	12.3	64.0	76.6	2.2	(NA)	(NA)
205	Bakery products -----	-	14	11	1.6	22.5	1.0	2.1	13.4	53.7	36.4	90.2	1.5	2.0	34.8
207	Fats and oils -----	-	14	9	1.4	20.2	1.0	2.2	13.1	38.8	695.3	755.1	7.6	1.3	33.5
209	Miscellaneous foods and kindred products -----	-	15	8	1.1	12.4	0.7	1.4	6.7	33.2	44.5	77.7	4.3	0.8	25.4
22	Textile mill products -----	-	10	5	0.5	4.5	0.4	0.8	2.8	8.2	8.1	16.0	0.4	(NA)	(NA)
23	Apparel and other textile products -----	-	33	18	2.3	15.0	2.0	4.0	11.9	36.0	38.7	74.7	0.4	1.9	45.5
239	Miscellaneous fabricated textile products -----	-	21	10	1.0	7.0	0.8	1.7	5.1	14.0	23.0	37.0	0.3	(NA)	(NA)
2391	Curtains and draperies --	-	5	3	0.3	1.8	0.2	0.5	1.3	2.5	1.1	3.6	(D)	0.3	1.8
24	Lumber and wood products --	E1	93	36	3.4	28.9	3.0	5.7	21.8	44.5	67.6	114.9	4.0	4.9	51.6
2426	Hardwood dimension and flooring -----	-	14	10	0.9	7.7	0.8	1.8	6.3	14.1	16.1	30.3	(D)	1.8	13.3
243	Millwork, plywood, and structural members -----	E3	39	15	1.6	13.3	1.4	2.5	9.6	23.0	38.3	60.5	0.6	1.8	23.7
2435	Hardwood veneer and plywood -----	-	7	5	0.3	2.9	0.3	0.5	1.9	4.7	15.0	19.9	0.3	0.6	12.2
249	Miscellaneous wood products -----	-	13	4	0.3	1.8	0.3	0.5	1.4	3.5	4.8	8.4	0.2	0.4	4.4
251	Household furniture -----	-	34	13	3.0	25.6	2.5	4.9	15.5	50.7	68.4	117.5	3.0	3.3	43.3
2511	Wood household furniture -----	-	19	4	1.6	13.4	1.4	2.7	8.4	24.9	28.6	53.2	1.5	1.7	20.5
2515	Mattresses and bedsprings -----	-	6	3	0.5	5.1	0.3	0.6	2.1	13.0	16.4	28.9	(D)	(NA)	(NA)
264	Miscellaneous converted paper products -----	-	16	13	3.2	36.5	2.3	4.7	24.0	126.0	155.9	280.4	6.7	3.1	89.3
2641	Paper coating and glazing -----	-	5	5	0.5	4.9	0.5	0.9	3.2	16.9	33.0	49.5	(D)	0.4	7.1
265	Paperboard containers and boxes -----	-	15	13	1.5	19.3	1.1	2.5	13.3	41.0	63.3	104.1	(D)	(NA)	(NA)
2653	Corrugated and solid fiber boxes -----	-	10	8	0.9	12.2	0.6	1.4	7.7	25.3	48.9	73.7	2.0	(NA)	(NA)
27	Printing and publishing ----	-	172	27	3.7	44.4	2.2	4.1	25.2	94.2	56.9	150.6	10.0	3.2	56.9
2751	Commercial printing, letterpress -----	E6	58	4	0.3	3.2	0.3	0.5	2.3	7.1	3.5	10.5	0.4	(NA)	(NA)
2752	Commercial printing, lithographic -----	-	40	8	0.9	10.4	0.7	1.3	6.4	16.0	22.5	37.9	1.1	0.8	11.2
278	Blankbooks and bookbinding -----	-	7	4	0.4	3.6	0.3	0.6	2.7	7.5	4.3	11.8	0.3	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SMSA's, see appendix A. For explanation of terms, see appendix B.															
SIC code	SMSA and industry	1977											1972		
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Memphis, Tenn.-Ark.-Miss., SMSA—Con.														
28	Chemicals and allied products -----	-	82	36	5.7	78.1	3.3	7.0	40.2	404.2	397.5	801.1	34.2	5.4	229.8
284	Soaps, cleaners, and toilet goods -----	-	23	10	1.0	11.1	0.6	1.1	5.2	86.9	47.0	133.5	1.6	1.0	40.7
2844	Toilet preparations -----	-	7	5	0.6	6.4	0.4	0.8	3.6	68.9	16.3	84.7	0.7	0.6	29.9
2851	Paints and allied products -----	E2	11	8	0.4	5.5	0.2	0.5	2.2	12.2	29.2	41.3	(D)	(NA)	(NA)
286	Industrial organic chemicals -----	-	5	5	0.8	12.1	0.5	1.1	6.9	74.1	42.4	115.4	7.0	0.8	27.9
2879	Agricultural chemicals, n.e.c. -----	-	5	4	0.4	3.2	0.3	0.5	1.7	11.5	8.0	19.5	(D)	(NA)	(NA)
289	Miscellaneous chemical products -----	-	19	4	0.4	6.3	0.3	0.6	3.2	20.9	59.9	81.0	(D)	0.4	17.2
29	Petroleum and coal products -----	-	18	6	0.7	9.9	0.5	1.0	6.3	95.3	247.5	339.9	3.5	0.8	13.1
30	Rubber and miscellaneous plastics products -----	-	33	13	3.9	58.4	3.3	6.4	46.9	123.1	113.3	225.9	8.4	(NA)	(NA)
32	Stone, clay, and glass products -----	E1	59	23	1.5	16.6	1.1	2.2	11.2	38.1	41.0	78.2	6.4	1.5	27.1
327	Concrete, gypsum, and plaster products -----	E1	38	18	0.9	10.0	0.6	1.2	5.9	22.8	27.0	49.9	3.3	1.1	20.4
3272	Concrete products, n.e.c. -----	E3	16	8	0.3	3.4	0.2	0.5	2.2	7.6	5.8	13.3	(D)	0.5	6.3
3273	Ready-mixed concrete --	E1	19	8	0.4	4.6	0.2	0.4	2.2	9.0	12.6	21.5	1.0	0.5	11.2
33	Primary metal industries ----	-	21	12	1.3	15.7	1.1	2.2	12.2	28.3	91.4	119.8	5.0	1.2	21.9
332	Iron and steel foundries ---	-	7	5	0.5	5.1	0.4	0.8	4.2	8.5	7.6	15.7	0.7	0.4	4.7
34	Fabricated metal products ---	-	143	60	5.5	67.2	4.2	8.2	44.6	152.3	202.2	360.1	11.4	4.9	72.9
341	Metal cans and shipping containers -----	-	8	3	0.3	6.0	0.3	0.6	4.3	17.1	37.4	54.0	0.5	0.4	10.8
344	Fabricated structural metal products -----	-	75	31	3.2	40.5	2.3	4.4	24.7	87.1	99.7	194.3	4.9	2.5	37.2
3441	Fabricated structural metal -----	-	17	7	0.7	9.4	0.6	1.2	6.6	19.8	30.8	50.4	1.2	0.5	8.3
3442	Metal doors, sash, and trim -----	E1	14	8	0.6	5.2	0.4	0.7	2.6	8.7	14.1	22.4	0.3	0.3	3.4
3443	Fabricated plate work (boiler shops) -----	-	14	8	1.3	18.4	0.9	1.6	10.7	46.2	35.0	88.6	1.9	0.9	15.7
3444	Sheet metal work -----	-	16	8	0.4	5.9	0.3	0.7	3.7	9.5	12.3	21.7	0.8	0.3	5.1
346	Metal forgings and stampings -----	-	12	10	0.9	9.4	0.8	1.6	7.5	25.8	46.3	71.3	2.5	0.4	6.3
347	Metal services, n.e.c. -----	-	16	7	0.5	4.8	0.4	0.7	3.7	7.0	3.7	10.7	0.4	0.4	3.9
3471	Plating and polishing ---	-	10	5	0.4	4.0	0.3	0.6	3.1	5.9	2.7	8.6	0.3	0.3	3.6
349	Miscellaneous fabricated metal products -----	-	23	4	0.4	3.8	0.3	0.5	2.6	9.2	11.0	19.8	2.9	0.5	8.0
35	Machinery, except electrical -	-	109	28	5.7	84.6	4.1	7.8	56.4	186.9	183.3	372.5	12.3	6.3	110.7
353	Construction and related machinery -----	E1	11	7	0.8	10.2	0.4	0.8	4.4	14.8	18.5	32.8	(D)	(NA)	(NA)
356	General industrial machinery -----	-	16	4	0.7	7.8	0.4	0.7	4.5	20.0	12.5	32.4	2.0	0.8	9.6
359	Miscellaneous machinery, except electrical -----	E2	40	8	0.4	5.1	0.3	0.7	3.5	9.1	4.6	13.5	0.5	0.4	5.9
36	Electric and electronic equipment -----	-	41	15	2.6	30.0	2.2	3.9	19.6	86.9	68.2	155.4	3.6	3.9	80.1
364	Electric lighting and wiring equipment -----	-	12	6	1.4	17.4	1.2	2.3	12.6	48.9	36.2	86.1	2.7	1.8	41.3
369	Miscellaneous electrical equipment and supplies --	-	10	5	0.4	5.4	0.3	0.7	4.3	15.7	16.8	31.0	0.3	(NA)	(NA)
3714	Motor vehicle parts and accessories -----	E1	15	5	0.7	6.4	0.6	1.1	4.9	15.0	13.5	26.6	0.7	(NA)	(NA)
38	Instruments and related products -----	-	14	5	0.7	8.0	0.5	0.8	4.3	29.8	11.6	38.5	(D)	(NA)	(NA)
39	Miscellaneous manufacturing industries ---	-	58	18	2.0	16.4	1.5	2.9	11.3	34.7	34.1	68.0	1.5	1.8	17.9
399	Miscellaneous manufactures -----	E1	37	11	0.6	5.6	0.4	0.8	3.1	14.5	11.1	25.2	1.3	(NA)	(NA)
--	Administrative and auxiliary --	-	48	23	2.0	31.1	-	-	-	-	-	-	-	(NA)	(NA)
	Pascagoula-Moss Point SMSA -----	-	86	32	30.1	375.0	22.3	48.5	249.2	1 417.9	1 677.8	3 064.2	52.6	22.8	357.7

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (S) Withheld because estimate did not meet publication standards.

(Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
23	Adams County -----	-	69	18	3.5	53.2	2.8	5.6	41.9	139.4	161.6	290.6	17.8	3.9	78.4
	Alcorn County -----	-	63	23	6.2	82.2	5.2	10.3	46.1	151.0	126.6	275.2	28.1	5.2	73.4
232	Apparel and other textile products -----	-	10	9	1.3	6.7	1.2	2.2	6.0	13.6	8.1	21.9	0.2	0.9	5.1
	Men's and boys' furnishings -----	-	7	6	1.0	5.2	0.9	1.7	4.6	11.8	7.7	19.7	(D)	0.8	5.0
23	Amite County -----	-	36	4	0.9	8.2	0.8	1.7	7.0	26.6	27.1	53.3	1.8	0.8	15.2
	Attala County -----	-	38	13	2.0	20.0	1.6	3.9	15.1	39.4	38.1	75.1	3.5	2.1	33.1
23	Bolivar County -----	-	20	7	2.7	25.0	2.4	4.2	19.5	70.6	58.2	127.1	(D)	2.3	29.9
	Calhoun County -----	-	31	11	1.5	11.0	1.4	2.5	8.9	17.1	25.8	42.8	0.6	1.5	10.9
23	Apparel and other textile products -----	-	5	5	1.0	6.5	0.9	1.6	5.2	6.8	12.8	19.7	(D)	(NA)	(NA)
24	Lumber and wood products --	E1	18	5	0.5	4.1	0.4	0.8	3.5	9.9	11.9	21.5	0.4	0.5	4.4
23	Chickasaw County -----	-	62	31	4.3	30.5	3.8	6.8	24.3	66.2	78.2	143.8	2.7	3.7	47.2
	Apparel and other textile products -----	-	7	5	0.6	3.8	0.6	1.0	3.4	6.1	1.5	7.7	(D)	1.0	8.7
25 251	Furniture and fixtures -----	E1	31	15	2.7	19.3	2.4	4.5	16.2	42.7	53.9	96.3	1.1	1.7	24.2
	Household furniture -----	E1	31	15	2.7	19.3	2.4	4.5	16.2	42.7	53.9	96.3	1.1	1.7	24.2
23	Choctaw County -----	-	18	5	1.0	7.2	0.9	1.6	5.6	15.8	19.2	35.3	0.7	0.8	8.8
	Claiborne County -----	-	20	7	0.8	7.0	0.7	1.5	5.5	16.4	27.7	43.6	1.1	0.5	7.9
23	Clarke County -----	-	36	10	2.6	20.5	2.3	4.2	16.8	50.0	54.3	102.6	(D)	1.8	22.4
	Clay County -----	-	26	9	3.8	43.1	3.2	6.0	33.2	109.2	192.2	301.8	6.9	3.2	68.1
23	Coahoma County -----	-	27	17	1.6	16.3	1.1	2.2	11.0	42.9	78.0	119.3	2.3	1.5	29.2
	Copiah County -----	-	42	14	2.4	16.9	2.0	3.8	12.7	33.3	55.9	88.8	1.8	2.2	23.3
23	Apparel and other textile products -----	E5	6	6	1.0	5.4	0.9	1.7	4.5	8.3	10.6	19.4	0.1	1.0	7.8
	Covington County -----	-	17	7	1.1	7.9	1.1	2.1	6.8	14.6	36.7	50.8	(D)	1.0	11.7
23	De Soto County -----	-	62	25	3.4	36.7	2.5	4.9	22.5	66.4	112.7	176.2	8.5	2.4	37.3
	Forrest County -----	-	64	23	4.3	39.8	3.4	6.6	27.1	118.3	146.3	262.3	6.8	4.1	63.8
20	Food and kindred products --	-	9	5	0.7	6.2	0.5	0.9	2.9	16.9	57.1	73.7	1.2	0.5	7.0
	Grenada County -----	-	30	16	3.8	35.2	3.4	6.3	29.0	79.1	139.8	211.9	3.9	3.8	51.1
209	Hancock County -----	-	16	3	0.7	9.1	0.1	0.1	0.3	2.0	0.9	2.8	0.1	0.9	7.4
	Harrison County -----	-	150	46	4.9	49.1	3.5	6.6	31.2	128.6	145.3	274.2	49.4	4.0	55.0
209	Miscellaneous foods and kindred products -----	-	22	8	0.5	3.6	0.4	0.8	2.5	9.1	27.9	37.0	(D)	(NA)	(NA)
	Hinds County -----	-	288	99	14.2	153.2	10.7	21.7	102.9	424.9	442.5	855.9	33.5	12.7	175.8
24	Lumber and wood products --	E1	26	7	0.6	4.9	0.5	0.8	3.5	10.4	14.1	23.5	(D)	0.5	4.6
25	Furniture and fixtures -----	-	11	6	1.8	14.9	1.4	2.8	10.4	29.8	25.9	57.3	0.3	2.0	21.0
32	Stone, clay, and glass products -----	-	23	10	1.0	12.0	0.8	1.6	8.1	35.2	31.1	65.7	(D)	0.9	21.6
34	Fabricated metal products ---	-	24	8	0.5	6.0	0.4	0.8	4.0	23.0	20.9	43.8	(D)	0.9	18.0
35	Machinery, except electrical --	-	28	5	1.3	15.6	0.8	2.2	8.5	34.2	31.3	66.4	2.1	(NA)	(NA)
23	Holmes County -----	-	25	8	0.8	5.2	0.7	1.4	4.8	11.9	13.8	25.0	0.6	1.4	14.0
	Itawamba County -----	-	31	15	2.3	16.6	2.1	3.9	13.9	39.4	77.5	117.8	1.3	2.2	32.2
23	Apparel and other textile products -----	-	5	4	0.8	4.7	0.8	1.3	4.3	6.2	0.8	7.2	(D)	(NA)	(NA)
	Jackson County (Coextensive with Pascagoula-Moss Point, Miss., SMSA; see table 6.)	-													
20	Jasper County -----	-	35	3	0.7	5.8	0.6	1.2	4.3	15.7	14.8	30.2	1.3	0.8	8.3
	Jones County -----	-	81	29	5.7	55.9	4.5	8.7	38.5	125.2	195.2	319.8	8.4	4.7	62.8
20	Food and kindred products --	-	12	6	1.1	6.8	0.9	1.5	4.7	17.6	58.1	75.8	1.5	1.0	14.3
23	Apparel and other textile products -----	-	3	3	0.5	2.7	0.5	0.8	2.5	3.6	0.6	4.2	(D)	(NA)	(NA)

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies.
For explanation of terms, see appendix B]

For explanation of terms, see appendix B]

SIC code	County and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
24	Lafayette County -----	-	19	7	1.8	12.9	1.6	3.0	9.9	28.7	40.1	67.9	8.8	1.0	18.7
	Lamar County -----	-	33	16	1.6	13.7	1.4	2.8	10.5	37.8	166.8	189.8	5.4	1.3	15.1
	Lumber and wood products --	-	14	5	0.5	4.7	0.4	0.9	3.6	10.7	14.2	24.0	(D)	(NA)	(NA)
	Lauderdale County -----	-	105	42	5.0	45.6	3.8	7.6	30.7	115.5	157.1	264.0	10.9	4.7	57.9
20	Food and kindred products --	-	15	7	0.7	6.5	0.3	0.5	2.0	15.3	30.0	45.4	0.9	0.8	10.0
23	Apparel and other textile products -----	-	3	3	0.8	4.5	0.8	1.5	4.5	9.1	2.7	10.5	(D)	0.5	2.7
24	Lumber and wood products --	E1	33	7	0.8	6.2	0.6	1.1	4.4	16.5	18.2	33.4	1.0	1.4	15.1
	Leake County -----	-	39	5	1.3	7.5	1.2	2.2	5.8	16.3	29.4	45.8	1.0	1.2	11.0
	Lee County -----	-	118	59	13.1	115.5	10.4	19.9	80.7	268.8	396.9	665.0	13.6	10.5	128.0
20	Food and kindred products --	-	10	9	1.5	15.0	0.8	1.8	7.5	44.5	102.4	147.1	2.1	1.4	21.9
23	Apparel and other textile products -----	-	16	9	3.3	20.6	3.0	5.3	17.2	37.7	45.3	84.4	2.1	2.8	20.3
25	Furniture and fixtures -----	-	19	12	1.8	14.9	1.6	2.9	11.5	33.6	43.9	77.7	1.3	1.4	14.5
30	Rubber and miscellaneous plastics products -----	-	12	8	1.5	16.0	1.3	2.4	12.6	29.4	53.1	82.7	(D)	1.2	15.6
35	Machinery, except electrical --	-	9	4	2.0	20.0	1.4	2.9	12.4	58.3	82.2	139.7	2.1	(NA)	(NA)
24	Lefflore County -----	-	44	15	2.5	18.9	2.1	4.0	13.8	46.1	61.9	106.5	4.4	2.5	27.8
	Lincoln County -----	-	54	18	1.9	15.1	1.6	2.9	11.0	36.4	44.8	84.4	2.9	2.0	24.8
	Lumber and wood products --	-	33	6	0.5	3.8	0.4	0.7	2.7	13.4	11.8	24.6	1.0	(NA)	(NA)
24	Lowndes County -----	-	57	36	7.4	69.2	5.8	11.7	47.8	194.4	220.7	407.0	32.7	5.8	94.9
	Apparel and other textile products -----	-	8	6	1.3	11.1	1.1	2.0	7.9	19.5	29.1	48.7	0.8	(NA)	(NA)
	Lumber and wood products --	-	12	5	1.4	11.4	1.1	2.3	7.8	23.8	54.6	76.6	3.3	1.4	17.4
32	Stone, clay, and glass products -----	-	7	5	0.5	5.5	0.4	0.9	3.9	21.0	12.2	33.8	1.9	(NA)	(NA)
23	Madison County -----	-	62	19	1.8	14.7	1.4	2.6	9.4	33.9	54.4	87.3	4.9	2.6	28.7
	Marion County -----	-	40	9	1.7	12.0	1.4	2.4	9.1	27.3	37.4	64.9	1.4	2.2	19.4
	Marshall County -----	-	35	11	1.5	12.7	1.2	2.3	9.8	26.9	28.1	54.9	0.9	2.5	24.1
	Monroe County -----	-	50	26	4.8	39.1	4.2	7.4	30.4	106.9	149.2	256.1	16.5	6.0	81.1
23	Apparel and other textile products -----	-	13	11	2.7	15.2	2.6	4.2	14.1	23.5	39.1	63.4	(D)	3.4	20.6
2327	Men's and boys' separate trousers -----	-	10	9	2.5	14.0	2.4	3.8	13.0	22.5	38.5	61.7	(D)	(NA)	(NA)
24	Montgomery County -----	-	25	9	1.3	10.0	1.0	1.9	7.2	20.1	17.5	37.8	2.5	1.2	11.8
	Neshoba County -----	-	43	9	2.5	20.8	2.1	4.2	16.7	59.0	62.2	120.4	5.1	2.6	38.7
	Lumber and wood products --	-	29	4	0.6	5.7	0.5	1.1	4.7	14.8	26.8	41.6	3.5	(NA)	(NA)
24	Newton County -----	-	27	9	2.4	18.0	2.2	4.1	14.9	23.4	27.1	50.9	1.4	2.2	23.3
	Apparel and other textile products -----	-	4	4	1.2	7.0	1.1	2.1	5.6	9.0	4.0	13.0	(D)	(NA)	(NA)
	Men's and boys' furnishings -----	-	4	4	1.2	7.0	1.1	2.1	5.6	9.0	4.0	13.0	(D)	1.1	6.8
24	Noxubee County -----	-	16	8	0.7	5.0	0.7	1.3	4.1	12.9	20.1	33.1	0.6	1.0	9.4
	Oktibbeha County -----	-	39	13	1.6	12.6	1.2	2.4	8.3	35.4	41.3	76.4	0.8	1.6	19.7
	Panola County -----	-	28	16	2.6	19.7	2.3	4.3	15.7	42.1	62.1	100.4	4.9	1.7	17.5
	Pearl River County -----	-	45	14	1.5	12.3	1.2	2.5	9.1	24.1	26.9	49.3	2.0	1.7	11.5
24	Perry County -----	-	18	6	0.8	7.0	0.7	1.5	5.8	16.7	19.7	36.3	(D)	0.6	6.3
	Pike County -----	-	59	17	2.8	20.8	2.1	4.1	13.8	50.1	58.8	108.7	2.6	3.4	40.2
	Lumber and wood products --	E1	25	6	0.6	4.1	0.5	1.0	3.1	12.2	16.8	28.3	(D)	0.9	9.8
	Pontotoc County -----	-	47	17	3.2	24.4	2.7	4.9	18.9	51.0	50.7	101.7	2.0	2.6	29.2
23	Apparel and other textile products -----	-	3	3	0.5	2.4	0.5	0.8	2.2	3.0	0.7	3.7	(D)	(NA)	(NA)
232	Men's and boys' furnishings -----	-	3	3	0.5	2.4	0.5	0.8	2.2	3.0	0.7	3.7	(D)	(NA)	(NA)
25	Furniture and fixtures -----	-	15	6	1.5	12.9	1.3	2.4	10.4	27.2	28.9	55.3	0.4	(NA)	(NA)
251	Household furniture -----	-	15	6	1.5	12.9	1.3	2.4	10.4	27.2	28.9	55.3	0.4	(NA)	(NA)

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
23	Prentiss County -----	-	43	16	2.7	18.4	2.4	4.3	15.1	31.9	30.9	62.5	1.3	2.4	20.8
	Apparel and other textile products -----	-	8	6	1.5	8.9	1.4	2.5	7.8	12.0	8.6	20.6	0.1	1.1	6.4
	Scott County -----	-	38	18	3.5	22.8	3.3	6.4	19.4	60.0	162.5	224.4	5.1	3.0	47.0
20	Food and kindred products --	-	11	8	2.2	13.0	2.1	4.1	11.2	24.6	124.4	148.9	2.9	1.8	12.2
	Smith County -----	-	27	9	1.6	14.1	1.2	2.6	9.6	49.7	67.6	116.0	2.6	1.6	24.6
	Stone County -----	-	36	5	0.8	7.2	0.7	1.6	6.4	22.0	30.7	52.8	1.4	0.9	12.9
23	Sunflower County -----	-	19	11	1.7	14.2	1.5	3.4	11.3	31.0	55.6	83.9	1.5	1.6	34.6
	Apparel and other textile products -----	-	4	4	0.5	2.6	0.4	0.9	2.5	5.8	2.8	8.7	(D)	(NA)	(NA)
	232 Men's and boys' furnishings -----	-	4	4	0.5	2.6	0.4	0.9	2.5	5.8	2.8	8.7	(D)	(NA)	(NA)
	Tate County -----	-	12	4	1.6	14.9	1.3	2.6	10.3	24.7	40.9	65.5	1.1	1.8	21.5
	Tippah County -----	-	47	13	2.4	16.8	2.2	4.0	14.1	36.9	35.0	71.9	2.9	1.7	17.0
	Tishomingo County -----	-	51	14	3.0	16.8	2.8	4.7	14.9	39.8	54.5	94.9	0.7	2.4	20.8
	Union County -----	-	31	18	3.3	26.3	2.6	4.8	17.9	60.3	59.8	116.7	1.6	3.2	43.0
	Walthall County -----	-	20	5	0.8	4.8	0.7	0.9	3.7	7.3	7.0	14.1	0.6	0.6	4.0
	Warren County -----	-	50	19	3.5	41.5	2.8	5.8	30.0	133.2	193.4	325.0	2.9	4.5	95.5
	Washington County -----	-	88	41	5.5	49.3	4.6	8.6	36.2	101.5	162.8	263.4	5.5	5.2	73.9
	Food and kindred products --	-	8	8	0.5	4.1	0.4	0.8	2.7	15.6	31.4	47.3	0.7	(NA)	(NA)
	34 Fabricated metal products ---	-	11	7	0.8	8.8	0.7	1.4	6.3	19.1	20.7	39.9	0.7	1.4	17.2
37	Transportation equipment ---	E2	13	7	0.8	5.2	0.7	0.9	4.4	8.1	14.7	22.8	0.2	0.5	6.3
	Wayne County -----	-	38	6	1.3	9.9	1.1	2.4	7.8	41.9	53.5	96.1	(D)	1.4	30.4
	Webster County -----	-	23	7	1.1	7.7	1.0	1.9	6.1	16.4	16.4	32.8	1.6	1.0	10.1
	Wilkinson County -----	-	29	4	0.7	5.5	0.7	1.3	4.9	16.5	17.7	34.0	1.0	0.7	9.3
	Winston County -----	-	38	11	2.2	20.6	1.7	3.4	12.7	60.6	63.5	123.7	3.1	2.5	39.4
	Yalobusha County -----	-	20	6	1.6	11.8	1.4	2.4	9.2	29.2	40.6	69.6	1.5	1.4	12.7
	Yazoo County -----	-	28	11	1.6	18.6	1.0	2.0	9.0	92.5	78.7	166.0	(D)	1.6	56.8

Note: "County" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

Explanation of terms, see appendix B]															
SIC code	City and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
37	Batesville -----	-	16	9	1.8	12.9	1.6	3.0	10.2	30.3	42.6	70.9	3.8	1.1	10.8
	Biloxi -----	-	59	16	1.0	9.9	0.7	1.4	6.0	21.4	45.4	66.7	2.9	1.1	14.2
	Booneville -----	-	35	12	2.1	14.1	1.9	3.3	11.4	26.4	27.1	53.2	0.9	1.5	15.3
	Brookhaven -----	-	48	18	1.9	15.0	1.6	2.9	10.9	35.7	44.4	83.3	(D)	2.0	24.2
	Canton -----	-	34	13	1.2	9.1	1.0	1.8	5.6	20.7	41.4	61.2	3.0	1.5	16.1
	Columbia -----	-	25	6	1.2	8.9	1.0	1.7	6.3	21.2	31.0	51.9	0.8	2.1	18.0
	Columbus -----	-	53	32	5.8	52.2	4.7	9.4	37.0	136.7	167.8	296.8	29.2	4.5	80.5
	Corinth -----	-	56	21	6.2	61.5	5.2	10.2	45.6	149.9	125.5	273.1	28.1	(D)	(D)
	Crystal Springs -----	-	11	3	0.6	5.2	0.5	1.1	3.7	10.8	14.1	24.3	0.4	0.8	8.9
	Fulton -----	-	24	12	1.9	14.3	1.7	3.3	11.8	35.3	75.8	112.0	1.2	1.8	25.8
	Greenville -----	-	76	35	5.1	46.7	4.3	8.1	34.5	89.7	148.2	237.3	5.2	4.4	60.3
	Transportation equipment ---	E2	13	7	0.8	5.2	0.7	0.9	4.4	8.1	14.7	22.8	0.2	(NA)	(NA)
	Greenwood -----	-	38	12	1.4	11.7	1.1	2.2	7.9	28.1	39.3	66.1	(D)	(D)	(D)
	Gulfport -----	-	72	22	2.6	28.9	1.9	3.7	19.1	88.7	77.4	166.4	(D)	1.8	39.7
	20	Hattiesburg -----	-	56	25	4.3	40.4	3.4	6.7	27.4	119.6	145.4	262.8	7.1	3.9	61.0
Food and kindred products --		-	8	5	0.7	6.1	0.5	0.9	2.8	16.8	56.2	72.7	1.2	(NA)	(NA)
Hazlehurst -----		-	20	6	1.1	7.3	0.9	1.8	5.4	13.9	24.4	38.5	0.9	0.9	10.5
Holly Springs -----		-	21	8	1.2	10.4	1.0	1.9	8.4	20.3	20.8	41.0	0.5	1.2	13.3
20	Houston -----	-	27	13	2.0	13.4	1.7	3.2	10.4	28.7	37.8	66.0	1.2	1.8	22.8
	Food and kindred products --	-	27	21	2.1	20.4	1.3	3.0	10.4	66.9	146.9	213.0	2.9	(NA)	(NA)
201	Meat products -----	-	5	4	0.7	5.6	0.7	1.5	4.5	21.8	45.9	66.9	(D)	(NA)	(NA)
23	Apparel and other textile products -----	-	10	4	0.5	3.6	0.4	0.7	2.8	6.1	7.0	13.2	0.3	0.7	5.4
24	Lumber and wood products --	-	13	5	0.5	3.7	0.4	0.7	2.5	8.0	10.4	17.4	(D)	(NA)	(NA)
32	Stone, clay, and glass products -----	-	23	10	1.0	11.7	0.8	1.6	7.8	35.1	31.0	65.5	3.2	(NA)	(NA)
327	Concrete, gypsum, and plaster products -----	-	13	6	0.5	4.7	0.3	0.7	2.9	13.3	14.7	27.8	1.7	(NA)	(NA)
35	Machinery, except electrical --	-	24	4	1.2	14.6	0.8	2.1	8.1	35.7	27.4	61.1	2.0	(NA)	(NA)
36	Electric and electronic equipment -----	-	10	6	2.3	23.2	1.9	3.7	16.9	65.6	67.8	126.1	4.5	2.0	24.7
	Kosciusko -----	-	29	12	1.9	19.6	1.5	3.8	14.7	38.2	37.6	73.4	(D)	2.1	32.2
	Laurel -----	-	63	24	5.2	52.2	4.1	8.0	35.9	108.3	139.9	247.1	(D)	4.0	50.4
	Louisville -----	-	33	10	2.2	20.2	1.6	3.3	12.4	59.8	62.1	121.4	3.1	2.5	39.0
	McComb -----	-	22	6	1.1	8.5	0.8	1.5	5.1	24.8	26.4	51.3	0.4	0.9	4.8
	Meridian -----	-	96	41	4.9	45.2	3.8	7.5	30.4	114.7	156.0	262.1	10.9	(D)	(D)
	Food and kindred products --	-	15	7	0.7	6.5	0.3	0.5	2.0	15.3	30.0	45.4	0.9	(NA)	(NA)
	Apparel and other textile products -----	-	3	3	0.8	4.5	0.8	1.5	4.5	9.1	2.7	10.5	(D)	(NA)	(NA)
	Morton -----	-	9	7	1.3	9.2	1.1	2.4	7.4	30.7	67.8	98.0	1.4	(D)	(D)
	New Albany -----	-	24	14	2.7	20.4	2.3	4.3	15.9	54.8	56.1	107.6	1.4	2.5	40.1
25	Ocean Springs -----	-	22	5	0.5	5.0	0.4	0.7	3.4	8.0	5.0	12.9	0.6	(NA)	(NA)
	Okolona -----	-	24	15	2.1	15.5	1.8	3.3	12.7	34.1	37.1	71.0	1.2	1.6	22.7
	Furniture and fixtures -----	E1	17	11	1.7	13.5	1.5	2.7	11.1	31.0	36.3	67.2	(D)	(NA)	(NA)
	Household furniture -----	E1	17	11	1.7	13.5	1.5	2.7	11.1	31.0	36.3	67.2	(D)	(NA)	(NA)
	Pass Christian -----	-	6	3	0.6	4.1	0.6	1.1	3.6	6.2	4.8	11.2	0.3	(D)	(D)
	Picayune -----	-	28	9	0.8	7.8	0.7	1.4	5.6	17.1	21.0	36.6	1.5	0.9	7.9
	Pontotoc -----	-	30	13	2.7	22.0	2.3	4.1	16.7	46.4	48.3	94.5	1.8	2.3	27.2
	Furniture and fixtures -----	-	7	5	1.3	12.0	1.2	2.2	9.7	24.8	27.8	51.8	0.3	(NA)	(NA)
	Household furniture -----	-	7	5	1.3	12.0	1.2	2.2	9.7	24.8	27.8	51.8	0.3	(NA)	(NA)
	Upholstered household furniture -----	-	7	5	1.3	12.0	1.2	2.2	9.7	24.8	27.8	51.8	0.3	(NA)	(NA)
2512	Quitman -----	-	14	4	1.0	6.9	0.9	1.7	5.3	13.4	19.9	32.9	0.5	0.7	5.9
	Ripley -----	-	28	9	1.9	13.5	1.8	3.2	11.3	31.3	28.3	59.8	2.6	(D)	(D)
	Starkville -----	-	27	9	1.1	9.4	0.8	1.5	5.6	30.2	32.6	62.6	0.7	1.3	18.2
	Tupelo -----	-	94 ¹	47	10.6	97.1	8.2	15.8	66.4	228.8	354.3	583.0	11.0	8.5	110.3
	Food and kindred products --	-	10	9	1.5	15.0	0.8	1.8	7.5	44.5	102.4	147.1	2.1	(NA)	(NA)
	Furniture and fixtures -----	-	14	8	1.4	12.0	1.3	2.3	9.3	26.1	35.0	61.3	(D)	0.9	9.6
	Miscellaneous plastics products -----	-	7	6	0.6	4.7	0.5	1.0	3.4	12.2	20.2	32.1	(D)	(NA)	(NA)
	Waynesboro -----	-	27	6	1.2	9.6	1.0	2.3	7.6	41.3	52.7	94.7	(D)	(D)	(D)
	Wiggins -----	-	27	5	0.8	6.9	0.7	1.6	6.1	21.3	29.8	51.2	1.4	(D)	(D)
	Winona -----	-	20	9	1.3	9.9	1.0	1.9	7.1	20.0	17.4	37.6	2.5	0.7	6.2

Note: "City" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
MISSISSIPPI	3289	322	-	29	221	1106	159	42	309	85	21	65	10	195	36	161	233	73	77	25	70
1 TO 4 EMPLOYEES	1461	111	-	6	31	722	37	10	201	26	4	11	-	62	8	40	108	13	22	10	34
5 TO 9 EMPLOYEES	363	29	-	-	9	112	28	4	30	15	5	6	-	30	2	24	33	5	10	4	8
10 TO 19 EMPLOYEES	318	25	-	4	7	78	18	1	35	13	3	11	1	34	1	27	22	7	9	2	7
20 TO 49 EMPLOYEES	410	65	-	3	17	92	18	7	25	12	5	12	4	34	6	29	34	8	16	3	11
50 TO 99 EMPLOYEES	244	47	-	1	20	46	21	6	11	7	1	14	-	11	11	20	11	5	8	2	5
100 TO 249 EMPLOYEES	292	29	-	4	77	41	24	9	5	7	2	6	-	19	4	14	12	15	5	2	4
250 TO 499 EMPLOYEES	120	12	-	4	49	12	3	2	3	1	1	1	5	4	2	2	4	8	3	1	1
500 TO 999 EMPLOYEES	64	3	-	5	11	2	1	1	-	1	1	3	-	1	-	4	8	9	1	1	3
1000 TO 2499 EMPLOYEES	16	1	-	2	-	1	-	-	-	-	-	1	-	-	-	1	1	3	2	-	-
2500 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
ADAMS COUNTY	69	5	-	-	-	36	-	2	6	1	-	2	-	3	1	2	7	1	2	-	1
1 TO 19 EMPLOYEES	51	3	-	-	-	32	-	-	5	-	-	1	-	2	1	1	6	1	2	-	1
20 TO 99 EMPLOYEES	14	2	-	-	-	4	-	-	1	1	-	-	-	-	1	1	1	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALCOURN COUNTY	63	6	-	2	10	13	2	-	8	-	-	-	-	4	1	3	8	2	2	-	2
1 TO 19 EMPLOYEES	40	4	-	-	1	12	2	-	5	-	-	-	-	4	1	2	6	1	1	-	1
20 TO 99 EMPLOYEES	10	2	-	-	4	1	-	-	2	-	-	-	-	-	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES	6	-	-	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
250 EMPLOYEES AND OVER	7	-	-	1	1	-	-	-	1	-	-	-	-	-	-	-	2	1	-	-	1
AMITE COUNTY	36	-	-	-	1	31	-	-	-	-	-	-	-	-	-	-	2	-	-	-	2
1 TO 19 EMPLOYEES	32	-	-	-	-	29	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2
20 TO 99 EMPLOYEES	2	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ATTALA COUNTY	38	6	-	-	1	18	-	-	2	-	-	1	-	1	-	2	2	3	1	-	1
1 TO 19 EMPLOYEES	25	2	-	-	-	16	-	-	1	-	-	1	-	1	-	1	2	1	-	-	1
20 TO 99 EMPLOYEES	10	4	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BENTON COUNTY	9	1	-	-	2	4	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-
1 TO 19 EMPLOYEES	7	1	-	-	4	4	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BOLIVAR COUNTY	20	4	-	-	1	1	1	-	3	1	-	-	-	3	1	1	1	1	1	1	-
1 TO 19 EMPLOYEES	13	3	-	-	1	1	-	-	2	-	-	-	-	3	1	-	-	-	-	-	-
20 TO 99 EMPLOYEES	4	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CALHOUN COUNTY	31	1	-	-	5	18	1	-	2	-	-	-	-	1	1	1	-	-	-	-	-
1 TO 19 EMPLOYEES	20	1	-	-	13	13	1	-	2	-	-	-	-	1	1	-	-	-	-	-	-
20 TO 99 EMPLOYEES	6	-	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CARROLL COUNTY	10	-	-	-	-	8	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	8	-	-	-	-	7	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHICKASAW COUNTY	62	1	-	1	7	7	31	1	2	1	-	4	-	2	-	3	1	-	-	-	-
1 TO 19 EMPLOYEES	31	1	-	-	2	4	16	-	2	1	-	-	-	1	-	2	1	-	-	-	-
20 TO 99 EMPLOYEES	18	-	-	1	3	3	8	-	-	-	-	3	-	1	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES	11	-	-	-	3	-	5	1	-	-	-	1	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHOCTAW COUNTY	16	1	-	-	2	11	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES	11	1	-	-	-	9	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLAIBORNE COUNTY	20	1	-	-	-	15	-	-	1	-	-	1	-	1	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	13	1	-	-	-	12	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	5	1	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 — Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																		39	CAO's
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37		
CLARKE COUNTY.	36	-	-	2	1	29	-	1	1	1	-	-	-	-	-	-	1	-	-	-	-
1 TO 19 EMPLOYEES.	26	-	-	-	-	25	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	5	-	-	-	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	2	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLAY COUNTY.	26	2	-	-	-	5	-	1	4	1	-	-	-	-	-	4	2	-	1	-	2
1 TO 19 EMPLOYEES.	17	1	-	-	3	4	-	1	3	1	-	-	-	-	-	3	2	-	-	-	1
20 TO 99 EMPLOYEES.	5	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
250 EMPLOYEES AND OVER.	3	1	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1
COAHOMA COUNTY.	27	5	-	-	1	1	3	-	5	2	-	1	-	2	-	2	3	-	2	-	-
1 TO 19 EMPLOYEES.	10	3	-	-	1	-	2	-	3	1	-	-	-	2	-	1	1	-	-	-	-
20 TO 99 EMPLOYEES.	11	2	-	-	-	1	-	-	2	1	-	1	-	-	-	1	1	-	2	-	-
100 TO 249 EMPLOYEES.	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-
COPIAH COUNTY.	42	4	-	-	6	19	2	-	4	-	-	-	-	1	1	1	-	2	-	-	1
1 TO 19 EMPLOYEES.	28	3	-	-	17	17	1	-	4	-	-	1	-	1	-	1	-	-	-	-	-
20 TO 99 EMPLOYEES.	8	1	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	2	-	-	-	2	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	17	1	-	-	3	8	-	-	1	-	-	-	-	2	-	-	-	1	-	-	-
COVINGTON COUNTY.	10	-	-	-	-	7	-	-	1	-	-	-	-	2	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	3	-	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	3	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
250 EMPLOYEES AND OVER.	62	5	-	1	2	8	2	-	7	5	2	1	-	6	3	4	9	3	1	-	2
DE SOTO COUNTY.	37	3	-	1	1	7	-	-	5	4	2	1	-	3	1	2	6	1	-	-	1
1 TO 19 EMPLOYEES.	16	2	-	-	1	1	-	-	1	1	-	1	-	2	-	2	2	1	-	-	2
20 TO 99 EMPLOYEES.	6	-	-	-	-	-	2	-	-	-	-	-	-	1	2	-	1	-	-	-	-
100 TO 249 EMPLOYEES.	3	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-
250 EMPLOYEES AND OVER.	64	9	-	1	2	7	1	2	5	5	2	1	1	9	2	5	5	1	-	1	2
FORREST COUNTY.	41	4	-	1	1	6	1	-	4	3	2	1	-	5	1	4	4	-	-	1	1
1 TO 19 EMPLOYEES.	14	3	-	-	-	1	-	-	1	1	-	-	-	3	1	1	1	-	-	-	1
20 TO 99 EMPLOYEES.	4	1	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES.	5	1	-	-	1	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	22	-	-	-	1	20	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
FRANKLIN COUNTY.	18	-	-	-	-	17	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	3	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	22	-	-	-	-	18	-	-	1	-	-	-	-	1	-	-	1	-	-	-	-
250 EMPLOYEES AND OVER.	20	-	-	-	-	16	-	-	1	-	-	-	-	1	-	-	1	-	-	-	-
GEORGE COUNTY.	17	-	-	-	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	16	-	-	-	1	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	30	3	-	1	2	10	-	-	4	-	-	-	-	5	-	3	1	-	-	-	-
1 TO 19 EMPLOYEES.	14	2	-	-	-	6	-	-	3	-	-	-	-	3	-	1	-	-	-	-	-
20 TO 99 EMPLOYEES.	5	1	-	-	1	1	-	-	1	-	-	-	-	1	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES.	4	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	16	-	-	-	-	3	1	-	4	-	-	-	-	1	-	2	1	-	-	-	3
1 TO 19 EMPLOYEES.	13	-	-	-	-	3	-	-	4	-	-	-	-	1	-	1	1	-	-	-	1
20 TO 99 EMPLOYEES.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	150	38	-	2	6	8	1	-	24	8	1	1	-	7	5	16	15	2	6	2	7
HARRISON COUNTY.	104	22	-	2	3	8	1	-	21	5	1	1	-	3	2	12	10	5	5	2	7
1 TO 19 EMPLOYEES.	30	15	-	-	-	-	-	-	1	2	-	-	-	2	1	2	3	2	1	-	-
20 TO 99 EMPLOYEES.	14	1	-	-	-	-	-	-	2	1	-	-	-	2	2	2	1	-	-	-	-
100 TO 249 EMPLOYEES.	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.																					

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 — Con.

State, county, and employee size class ¹		Establishments in major industry groups																			All es- tablish- ments	
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO ²
HINDS COUNTY		288	32	1	12	26	11	4	58	11	1	10	-	23	3	24	28	10	3	7	15	9
1 TO 19 EMPLOYEES	189	8	-	1	6	19	5	1	51	6	-	6	-	13	2	16	23	5	2	5	13	7
20 TO 99 EMPLOYEES	68	16	-	-	2	6	5	2	6	5	1	4	-	5	1	8	2	-	-	1	2	2
100 TO 249 EMPLOYEES	20	5	-	-	4	-	1	1	-	-	-	-	-	5	-	-	2	2	-	1	-	-
250 EMPLOYEES AND OVER	11	3	-	-	-	1	1	-	1	-	-	-	-	-	-	-	1	3	1	-	-	-
HOLMES COUNTY		25	1	-	4	11	-	1	3	-	-	2	-	1	-	-	1	1	-	-	-	-
1 TO 19 EMPLOYEES	17	1	-	-	2	9	-	-	3	-	-	2	-	1	-	-	-	1	-	-	-	-
20 TO 99 EMPLOYEES	5	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES	3	-	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HUMPHREYS COUNTY		10	1	1	-	1	1	-	1	1	-	-	-	-	-	1	3	-	-	-	-	-
1 TO 19 EMPLOYEES	8	1	-	-	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ITAWAMBA COUNTY		31	2	-	5	12	5	1	3	-	-	-	1	-	1	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES	16	2	-	-	1	8	1	1	2	-	-	-	-	-	-	-	1	-	-	-	-	-
20 TO 99 EMPLOYEES	7	-	-	-	3	3	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	5	-	-	-	3	1	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JACKSON COUNTY		86	10	1	2	11	1	2	12	4	1	2	-	9	1	3	9	-	13	3	1	1
1 TO 19 EMPLOYEES	54	4	-	-	1	8	1	-	11	1	-	2	-	7	-	2	8	-	6	1	1	1
20 TO 99 EMPLOYEES	20	4	-	1	1	3	-	-	1	1	-	-	-	1	1	1	1	-	5	1	-	-
100 TO 249 EMPLOYEES	4	1	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	8	1	-	-	1	-	-	1	-	1	-	-	-	1	-	-	-	-	2	-	-	-
JASPER COUNTY		35	4	-	-	24	-	-	1	1	-	-	-	-	-	-	4	1	-	-	-	-
1 TO 19 EMPLOYEES	32	3	-	-	-	23	-	-	1	1	-	-	-	-	-	-	4	-	-	-	-	-
20 TO 99 EMPLOYEES	2	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
JEFFERSON COUNTY		11	-	-	-	8	-	-	1	-	-	-	-	-	-	-	-	1	1	-	-	-
1 TO 19 EMPLOYEES	8	-	-	-	-	6	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-
20 TO 99 EMPLOYEES	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
JEFFERSON DAVIS COUNTY		12	1	-	2	6	-	-	2	-	-	-	-	1	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	10	1	-	-	2	6	-	-	2	-	-	-	-	1	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JONES COUNTY		81	12	-	3	23	2	2	7	2	2	-	-	5	-	3	15	1	3	1	1	1
1 TO 19 EMPLOYEES	52	6	-	-	-	18	2	-	6	2	1	-	-	4	-	2	7	-	3	1	-	-
20 TO 99 EMPLOYEES	18	3	-	-	-	2	-	-	1	-	-	-	-	1	-	1	8	-	-	-	-	-
100 TO 249 EMPLOYEES	7	1	-	-	3	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	4	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
KEMPER COUNTY		17	-	-	1	12	-	-	1	-	-	-	-	-	1	1	1	-	-	-	-	-
1 TO 19 EMPLOYEES	13	-	-	-	1	11	-	-	1	-	-	-	-	-	-	1	1	-	-	-	-	-
20 TO 99 EMPLOYEES	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LAFAYETTE COUNTY		19	1	-	1	5	-	-	4	-	-	-	-	3	-	-	2	2	-	-	-	-
1 TO 19 EMPLOYEES	12	-	-	-	-	4	-	-	2	-	-	-	-	3	-	-	2	-	-	-	-	-
20 TO 99 EMPLOYEES	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
250 EMPLOYEES AND OVER	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LAMAR COUNTY		33	1	-	3	14	1	-	2	-	3	1	-	3	-	1	2	1	-	-	-	-
1 TO 19 EMPLOYEES	17	1	-	-	-	9	-	-	2	-	-	1	-	-	-	1	1	-	-	-	-	-
20 TO 99 EMPLOYEES	9	-	-	-	3	2	1	-	-	-	1	-	-	3	-	-	1	1	-	-	-	-
100 TO 249 EMPLOYEES	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
LAUDERDALE COUNTY		105	15	-	3	33	3	3	8	2	1	1	-	7	1	9	4	3	3	1	4	2
1 TO 19 EMPLOYEES	63	8	-	1	-	26	1	-	5	2	-	1	-	4	-	5	1	1	2	1	1	1
20 TO 99 EMPLOYEES	25	4	-	-	1	5	2	-	2	-	-	-	-	2	1	4	2	1	1	-	-	-
100 TO 249 EMPLOYEES	12	3	-	-	1	1	-	-	1	-	-	-	-	1	-	-	1	1	-	-	-	-
250 EMPLOYEES AND OVER	5	3	-	1	2	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
LAWRENCE COUNTY		15	-	-	2	7	-	-	1	1	-	-	-	-	-	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES	11	-	-	-	-	7	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	3	-	-	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B)

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 — Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO ²
OKTIBBEHA COUNTY	39	6	-	-	4	15	2	-	1	1	-	-	-	3	-	1	3	2	-	-	-	1
1 TO 19 EMPLOYEES	26	3	-	-	1	14	-	-	1	1	-	-	-	2	-	-	3	1	-	-	-	-
20 TO 99 EMPLOYEES	6	3	-	-	1	1	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1
100 TO 249 EMPLOYEES	7	-	-	-	2	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-
PANOLA COUNTY	28	1	-	2	3	6	-	-	2	-	-	2	1	2	-	5	1	-	1	1	1	-
1 TO 19 EMPLOYEES	12	1	-	1	2	2	-	-	1	-	-	1	-	2	-	2	1	-	-	-	-	-
20 TO 99 EMPLOYEES	11	-	-	-	-	4	-	-	-	-	-	-	-	-	-	3	-	-	1	1	-	-
100 TO 249 EMPLOYEES	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PEARL RIVER COUNTY	45	2	-	-	2	18	1	1	4	3	-	-	-	3	-	2	6	2	1	-	-	-
1 TO 19 EMPLOYEES	31	2	-	-	-	13	1	1	4	1	-	-	-	3	-	4	1	1	1	-	-	-
20 TO 99 EMPLOYEES	10	-	-	-	1	4	-	-	-	1	-	-	-	-	-	1	2	1	-	-	-	-
100 TO 249 EMPLOYEES	3	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PERRY COUNTY	18	1	-	-	1	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	12	1	-	-	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	3	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PIKE COUNTY	59	11	-	1	3	25	-	2	4	-	-	-	-	4	1	6	2	-	-	-	-	-
1 TO 19 EMPLOYEES	42	9	-	-	-	19	-	1	3	-	-	-	-	4	1	5	1	-	-	-	-	-
20 TO 99 EMPLOYEES	9	2	-	-	1	4	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	5	-	-	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	3	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PONTOTOC COUNTY	47	3	-	-	3	15	15	1	1	1	-	1	-	1	2	1	1	-	1	1	1	-
1 TO 19 EMPLOYEES	30	3	-	-	-	13	9	1	1	1	-	1	-	1	1	-	1	-	-	-	-	-
20 TO 99 EMPLOYEES	6	-	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	8	-	-	-	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
250 EMPLOYEES AND OVER	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
PRENTISS COUNTY	43	3	-	-	8	9	10	1	5	-	-	1	1	2	-	-	1	-	2	-	-	-
1 TO 19 EMPLOYEES	27	2	-	-	2	8	5	4	5	-	-	1	-	2	-	-	-	-	2	-	-	-
20 TO 99 EMPLOYEES	8	-	-	-	1	1	4	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	5	1	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	3	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QUITMAN COUNTY	7	1	-	1	1	1	-	-	1	-	-	-	-	-	-	-	1	-	-	-	1	-
1 TO 19 EMPLOYEES	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
20 TO 99 EMPLOYEES	2	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RANKIN COUNTY	79	5	-	2	1	13	-	4	14	3	1	1	1	8	4	5	9	5	-	-	3	-
1 TO 19 EMPLOYEES	51	3	-	1	1	13	-	2	13	2	1	1	1	2	2	1	7	2	-	-	3	-
20 TO 99 EMPLOYEES	17	1	-	1	-	-	-	1	1	1	-	-	-	3	1	4	2	2	-	-	-	-
100 TO 249 EMPLOYEES	9	1	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SCOTT COUNTY	38	11	-	-	3	16	-	-	2	-	-	-	-	-	-	-	3	-	-	1	1	-
1 TO 19 EMPLOYEES	20	3	-	-	1	12	-	-	2	-	-	-	-	-	-	-	2	-	-	-	-	-
20 TO 99 EMPLOYEES	8	2	-	-	-	3	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES	6	3	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHARKEY COUNTY	8	-	-	1	-	4	-	-	1	-	-	-	-	-	-	-	1	1	-	-	-	-
1 TO 19 EMPLOYEES	5	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SIMPSON COUNTY	22	3	-	-	1	11	-	-	3	1	-	-	-	1	-	-	-	1	-	-	-	-
1 TO 19 EMPLOYEES	16	2	-	-	-	9	-	-	3	1	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	3	1	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMITH COUNTY	27	1	-	-	2	17	-	-	-	1	-	-	-	1	-	4	-	-	-	-	1	-
1 TO 19 EMPLOYEES	18	1	-	-	-	12	-	-	-	-	-	-	-	1	-	3	-	-	-	-	1	-
20 TO 99 EMPLOYEES	4	-	-	-	-	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	3	-	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				39	CAO's
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38			
STONE COUNTY	36	2	-	-	1	30	-	1	1	-	-	-	-	-	-	-	1	-	-	-	-		
1 TO 19 EMPLOYEES	31	1	-	-	1	26	-	1	1	-	-	-	-	-	-	-	1	-	-	-	-		
20 TO 99 EMPLOYEES	3	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
100 TO 249 EMPLOYEES	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
250 EMPLOYEES AND OVER	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
SUNFLOWER COUNTY	19	3	-	1	4	-	-	-	3	1	-	1	-	2	-	-	3	-	-	-	1		
1 TO 19 EMPLOYEES	8	2	-	-	-	-	-	-	3	1	-	-	-	1	-	-	1	-	-	-	-		
20 TO 99 EMPLOYEES	6	1	-	-	2	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-		
100 TO 249 EMPLOYEES	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
250 EMPLOYEES AND OVER	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-		
TALLAHATCHIE COUNTY	10	1	-	-	2	3	-	-	2	-	-	-	-	1	-	-	-	1	-	-	-		
1 TO 19 EMPLOYEES	6	-	-	-	1	1	-	-	2	-	-	-	-	1	-	-	-	1	-	-	-		
20 TO 99 EMPLOYEES	3	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
100 TO 249 EMPLOYEES	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TATE COUNTY	12	1	-	-	1	2	1	1	3	-	-	1	-	2	-	-	-	1	-	-	-		
1 TO 19 EMPLOYEES	8	1	-	-	-	2	-	-	2	-	-	-	-	2	-	-	-	1	-	-	-		
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-		
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-		
250 EMPLOYEES AND OVER	2	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TIPPAH COUNTY	47	3	-	-	3	26	7	-	2	-	-	1	1	1	-	-	1	1	-	-	1		
1 TO 19 EMPLOYEES	34	3	-	-	-	21	6	-	2	-	-	-	-	1	-	-	1	-	-	-	-		
20 TO 99 EMPLOYEES	6	-	-	-	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
100 TO 249 EMPLOYEES	4	-	-	-	1	1	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-		
250 EMPLOYEES AND OVER	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TISHOMINGO COUNTY	51	2	-	1	9	19	9	-	3	-	-	-	1	1	-	3	-	-	2	-	1		
1 TO 19 EMPLOYEES	37	2	-	1	3	18	5	-	3	-	-	-	-	1	-	1	-	-	2	-	1		
20 TO 99 EMPLOYEES	6	-	-	-	2	1	1	-	-	-	-	-	-	-	-	2	-	-	-	-	-		
100 TO 249 EMPLOYEES	3	-	-	-	-	3	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-		
250 EMPLOYEES AND OVER	5	-	-	-	4	-	1	-	-	-	-	-	1	-	-	1	-	-	-	-	-		
TUNICA COUNTY	6	2	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
1 TO 19 EMPLOYEES	5	2	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
UNION COUNTY	31	5	-	1	2	6	3	-	2	-	-	2	-	1	1	2	2	1	1	-	2		
1 TO 19 EMPLOYEES	13	3	-	-	-	4	2	-	2	-	-	-	-	1	-	1	1	1	1	-	1		
20 TO 99 EMPLOYEES	9	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
100 TO 249 EMPLOYEES	4	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
250 EMPLOYEES AND OVER	5	-	-	1	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
WALTHALL COUNTY	20	3	-	-	1	10	-	-	1	-	-	-	-	1	-	-	3	1	-	-	-		
1 TO 19 EMPLOYEES	15	3	-	-	-	8	-	-	1	-	-	-	-	1	-	-	1	1	-	-	-		
20 TO 99 EMPLOYEES	3	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-		
100 TO 249 EMPLOYEES	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
250 EMPLOYEES AND OVER	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
WARREN COUNTY	50	4	-	-	-	16	3	1	3	4	-	3	-	1	-	4	2	2	3	1	2		
1 TO 19 EMPLOYEES	31	2	-	-	-	10	3	-	2	4	-	1	-	1	-	3	2	1	1	1	2		
20 TO 99 EMPLOYEES	9	1	-	-	-	3	-	-	1	1	-	1	-	1	-	1	-	-	1	-	-		
100 TO 249 EMPLOYEES	6	1	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
250 EMPLOYEES AND OVER	4	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
WASHINGTON COUNTY	88	8	-	1	3	3	2	1	9	3	-	1	-	8	3	11	14	2	13	-	-		
1 TO 19 EMPLOYEES	47	-	-	-	2	2	1	1	7	1	-	-	-	5	-	4	12	6	6	-	-		
20 TO 99 EMPLOYEES	29	7	-	-	1	-	1	-	2	2	-	1	-	2	3	4	2	1	5	-	-		
100 TO 249 EMPLOYEES	6	1	-	1	1	-	-	-	-	-	-	-	-	1	-	2	-	1	1	-	-		
250 EMPLOYEES AND OVER	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
WAYNE COUNTY	38	2	-	-	1	30	-	-	1	-	-	-	-	1	-	1	1	1	-	-	-		
1 TO 19 EMPLOYEES	32	2	-	-	-	27	-	-	-	-	-	-	-	1	-	1	1	-	-	-	-		
20 TO 99 EMPLOYEES	3	-	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-		
100 TO 249 EMPLOYEES	1	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
250 EMPLOYEES AND OVER	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
WEBSTER COUNTY	23	-	-	-	2	12	1	-	1	-	-	-	1	1	-	1	2	-	2	-	-		
1 TO 19 EMPLOYEES	16	-	-	-	1	11	-	-	1	-	-	-	1	1	-	1	1	-	-	-	-		
20 TO 99 EMPLOYEES	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
100 TO 249 EMPLOYEES	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
250 EMPLOYEES AND OVER	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40 ²
WILKINSON COUNTY	29	1	-	-	1	26	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	25	1	-	-	-	23	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WINSTON COUNTY	38	5	-	-	1	20	1	-	1	1	-	-	-	3	-	-	4	-	-	1	-	1
1 TO 19 EMPLOYEES	27	5	-	-	-	15	1	-	1	-	-	-	-	2	-	-	3	-	-	-	-	1
20 TO 99 EMPLOYEES	7	-	-	-	1	3	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-
250 EMPLOYEES AND OVER	3	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
YALOBUSHA COUNTY	20	3	-	-	2	8	-	-	3	-	-	1	-	-	-	-	2	1	-	-	-	-
1 TO 19 EMPLOYEES	14	2	-	-	-	8	-	-	3	-	-	-	-	-	-	-	1	1	-	-	-	-
20 TO 99 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	3	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
YAZOO COUNTY	28	2	-	-	1	10	-	1	2	3	1	-	1	1	-	-	3	-	1	-	1	1
1 TO 19 EMPLOYEES	17	1	-	-	-	7	-	-	2	2	-	-	-	1	-	-	1	-	1	-	1	-
20 TO 99 EMPLOYEES	7	1	-	-	-	3	-	-	-	-	1	-	1	-	-	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES	3	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-

Note: Data on number of establishments by employment size class by 4-digit SIC industry for States, counties, and selected cities are presented in Location of Manufacturing Plants data series. This series is available only on computer tape (see Introduction).

- Represents zero.

¹Only those counties and size classes that include data for manufacturing establishments are shown.

Missouri

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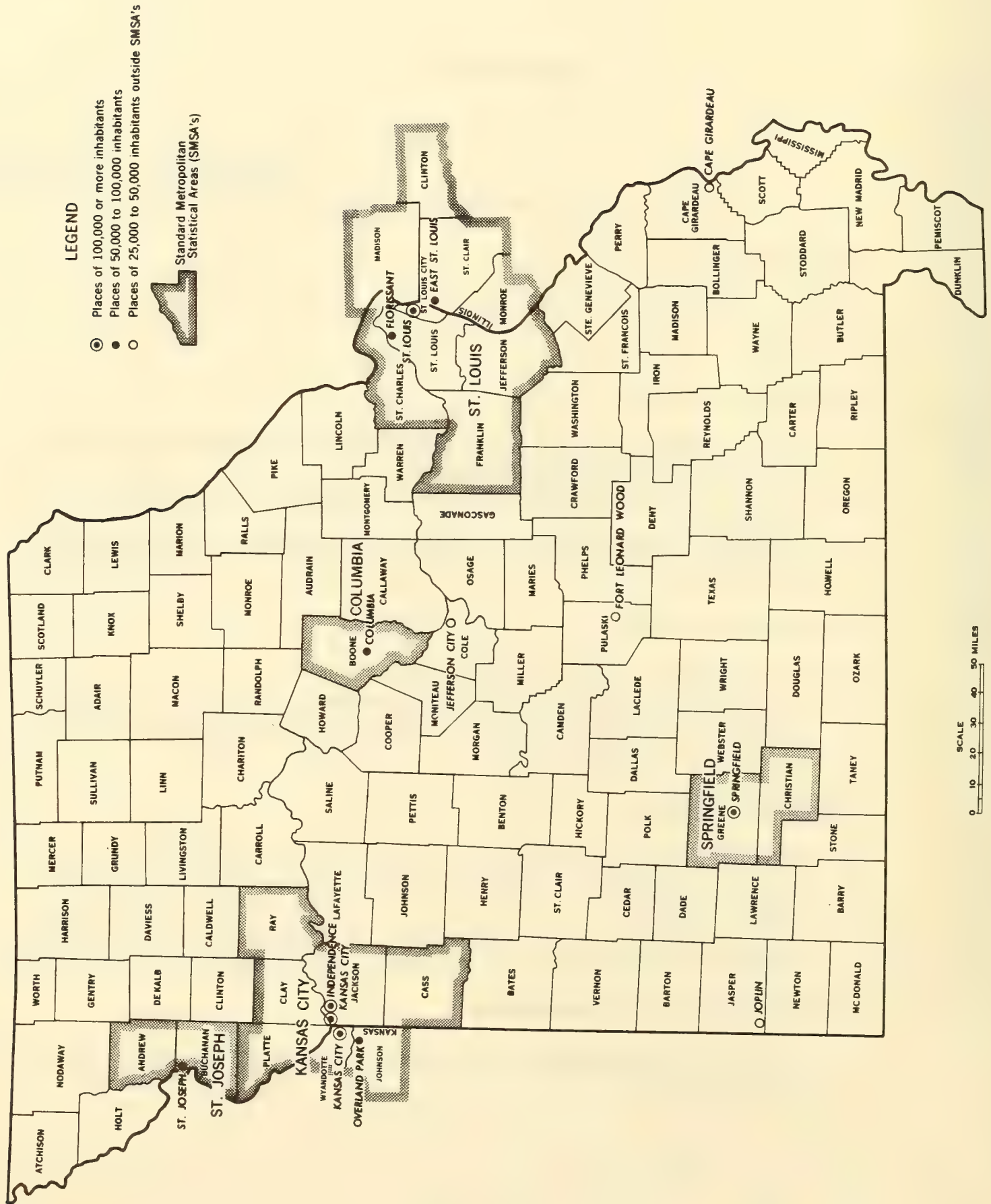
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MISSOURI



SUMMARY OF FINDINGS

In 1977, 433.3 thousand persons were employed in Missouri's manufacturing establishments. This figure represented a slight decrease from the 1972 figure of 434.3 thousand workers.

The total value added by manufacture for the State amounted to \$13,087 million in 1977, an increase of approximately 60 percent from the 1972 figure of \$8,169 million. All dollar figures in this report are in current dollars and are, therefore, not adjusted for changes in price levels.

In the State, the most important industry groups ranked by employment were transportation equipment, food and kindred products, electric and electronic equipment, and fabricated metal products. They accounted for approximately 41 percent of the State's 1977 employment. These same industry groups were in the forefront for 1972 when they accounted for approximately 42 percent of the State's employment.

The most important counties in the State ranked by employment were St. Louis County, St. Louis (Independent City), Jackson County, and Green County. They accounted for approximately 64 percent of the State's 1977 manufacturing employment. In 1972, these same counties accounted for approximately 66 percent of the State's employment.

The methods of data collection and use of administrative records data are discussed in detail in the Introduction. Small single-unit companies with up to 20 employees (the cutoff varied by industry) were excluded from the mail portion of the census. For these establishments (and a small number of larger establishments whose reports were not received in time to be tabulated), statistics on payrolls and receipts were obtained from administrative records of other government agencies. Other statistics were developed from industry averages. For this State, these establishments accounted for 3 percent of the total value of shipments.

Table 1. Historical Employment Statistics for Operating Manufacturing Establishments and Central Administrative Offices: 1977 and Earlier Years

(For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

State, standard metropolitan statistical area, and year	All establishments		Operating manufacturing establishments		Central administrative offices and auxiliaries ¹	
	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)
Missouri:						
1977.....	433.3	5,709.1	404.4	5,219.4	28.9	489.7
1972.....	434.3	3,897.3	407.9	3,563.4	26.4	333.9
1967.....	452.2	3,048.9	430.8	2,831.4	21.4	217.5
1963.....	391.4	2,235.2	371.9	2,080.8	19.5	154.4
STANDARD METROPOLITAN STATISTICAL AREAS						
Columbia:						
1977.....	3.1	35.4	2.7	31.5	.4	3.9
1972.....	2.1	19.0	1.9	16.7	.2	2.3
Kansas City, Mo.-Kans.:						
1977.....	117.8	1,734.0	111.2	1,635.7	6.6	98.3
1972.....	118.8	1,144.2	113.6	1,087.0	5.2	57.2
1967.....	129.4	906.6	125.3	869.8	4.1	36.8
1963.....	111.1	684.5	107.1	654.6	4.0	29.9
St. Joseph:						
1977.....	9.3	109.9	9.3	109.9	(Z)	(Z)
1972.....	9.4	76.4	9.4	76.2	(Z)	.2
1967.....	10.7	65.3	(D)	(D)	(D)	(D)
1963.....	10.5	57.0	(D)	(D)	(D)	(D)
St. Louis, Mo.-Ill.:						
1977.....	248.7	3,761.1	226.8	3,368.0	21.9	393.1
1972.....	256.2	2,608.0	235.2	2,329.5	21.0	278.5
1967.....	295.5	2,217.3	278.1	2,030.8	17.4	186.5
1963.....	259.7	1,666.3	244.3	1,539.8	15.5	126.5
Springfield:						
1977.....	18.9	205.6	18.6	201.7	.3	3.9
1972.....	17.7	129.6	17.5	127.5	.2	2.1

(D) Withheld to avoid disclosing operations of individual companies.

(Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Defined in appendix B. Data for these establishments are included at the total manufacturing level in each table in this report. Data for these establishments are shown separately in tables 5 and 9 and included in State, SMSA, county, or city totals in other tables.

Table 2a. Historical Statistics for the State and Selected Standard Metropolitan Statistical Areas:
1977 and Earlier Years

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see Appendix A.															
Year ¹	Establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)				Comparative indexes and U.S. employment			
	Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)					Cost of materials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)	Percent of U.S. manufac- turing employ- ment (per- cent)
								Index of manufac- turing employ- ment change (1977= 100)	U.S. manu- facturing employ- ment (1,000)						
MISSOURI															
1977 CENSUS.	7 355	2 430	433.3	5 709.1	299.1	572.4	3 408.5	13 087.0	20 098.8	33 162.5	780.9	2.21	100	100	19 596.9
1976 ASM....	(NA)	(NA)	424.4	5 059.8	290.0	553.7	2 961.3	11 121.0	16 529.4	27 468.8	597.5	2.26	98	96	18 753.0
1975 ASM....	(NA)	(NA)	406.6	4 497.5	272.9	510.6	2 558.0	9 416.2	14 294.1	23 454.9	608.9	2.22	94	94	18 302.2
1974 ASM....	(NA)	(NA)	449.2	4 603.5	309.8	592.1	2 682.3	9 911.1	13 909.7	23 390.5	547.2	2.26	104	102	19 844.8
1973 ASM....	(NA)	(NA)	452.1	4 283.6	313.4	610.6	2 562.7	9 121.3	12 554.5	21 481.1	435.6	2.27	104	102	19 897.9
1972 CENSUS.	6 732	2 470	434.3	3 897.3	299.8	583.8	2 305.4	8 169.0	10 805.9	18 773.8	395.9	2.28	100	98	19 028.7
1971 ASM....	(NA)	(NA)	436.5	3 673.2	296.0	569.5	2 135.0	7 525.1	9 699.9	17 198.4	363.3	2.38	101	94	18 363.1
1970 ASM....	(NA)	(NA)	449.3	3 557.8	306.3	600.4	2 077.4	6 828.5	9 158.2	15 995.8	379.4			99	19 217.2
1969 ASM....	(NA)	(NA)	466.3	3 458.6	322.3	631.0	2 052.8	6 766.1	9 515.1	16 237.7	299.3	2.33	108	103	20 035.5
1968 ASM....	(NA)	(NA)	460.5	3 302.6	324.5	642.8	2 002.3	6 635.0	9 356.8	15 925.1	309.5	2.36	106	100	19 527.6
1967 CENSUS.	6 545	2 457	452.2	3 048.9	320.9	631.3	1 851.7	5 895.0	8 229.0	14 085.4	346.8	2.34	104	99	19 323.2
1966 ASM....	(NA)	(NA)	450.9	2 922.9	317.4	639.2	1 774.5	5 807.7	8 221.2	13 939.8	317.4	2.37	104	98	19 024.5
1965 ASM....	(NA)	(NA)	426.4	2 627.7	301.0	597.3	1 585.0	5 136.7	7 726.0	12 822.0	278.4	2.37	98	92	18 010.2
1964 ASM....	(NA)	(NA)	401.6	2 387.0	283.0	565.4	1 450.8	4 706.4	6 830.1	11 475.6	227.5	2.33	93	89	17 268.5
1963 CENSUS.	6 540	2 325	391.4	2 235.2	276.2	547.8	1 361.7	4 296.0	(NA)	(NA)	211.1	2.31	90	87	16 958.4
KANSAS CITY, MO.-KANS., SMSA															
1977 CENSUS.	2 054	702	117.8	1 734.0	77.6	154.1	1 027.4	4 119.9	7 618.8	11 765.4	328.0	.60	100	100	19 596.9
1976 ASM....	(NA)	(NA)	117.4	1 559.1	74.6	144.0	880.0	3 706.3	6 665.9	10 341.2	204.0	.63	100	96	18 753.0
1975 ASM....	(NA)	(NA)	114.8	1 360.3	71.5	131.9	742.4	3 135.0	5 596.3	8 702.9	236.7	.63	97	94	18 302.2
1974 ASM....	(NA)	(NA)	124.3	1 337.0	80.0	148.7	775.3	3 293.7	5 357.4	8 538.5	194.6	.63	106	102	19 844.8
1973 ASM....	(NA)	(NA)	125.0	1 260.9	81.0	159.3	755.7	3 223.1	4 995.2	8 174.2	158.8	.63	106	102	19 897.9
1972 CENSUS.	1 880	702	118.8	1 144.2	78.0	151.4	678.8	2 902.4	4 059.1	6 903.0	162.8	.62	101	98	19 028.7
1971 ASM....	(NA)	(NA)	120.3	1 090.5	78.0	149.6	640.5	2 768.1	3 754.2	6 514.0	128.7	.66	102	94	18 363.1
1970 ASM....	(NA)	(NA)	124.8	1 049.8	80.4	162.2	629.0	2 451.2	3 267.7	5 698.6	120.8	.65	106	99	19 217.2
1969 ASM....	(NA)	(NA)	128.1	997.8	86.8	172.4	611.0	2 377.6	3 486.9	5 840.6	90.1	.64	109	103	20 035.5
1968 ASM....	(NA)	(NA)	127.7	968.8	87.4	177.5	606.7	2 368.9	3 573.8	5 928.6	86.5	.65	108	100	19 527.6
1967 CENSUS.	1 776	690	129.4	906.6	90.4	179.1	573.2	2 070.7	3 145.1	5 180.5	95.3	.67	110	99	19 323.2
1966 ASM....	(NA)	(NA)	135.6	942.2	93.5	191.1	588.4	2 130.1	3 440.7	5 536.1	110.2	.71	115	98	19 024.5
1965 ASM....	(NA)	(NA)	127.1	838.8	86.9	175.9	519.3	1 900.1	3 309.0	5 181.9	94.7	.71	108	92	18 010.2
1964 ASM....	(NA)	(NA)	113.3	725.1	78.1	157.9	452.5	1 679.4	2 793.7	4 450.3	99.8	.66	96	89	17 268.5
1963 CENSUS.	1 755	645	111.1	684.5	75.4	153.1	423.1	1 514.2	(NA)	(NA)	76.4	.66	94	87	16 958.4
ST. LOUIS, MO.-ILL., SMSA															
1977 CENSUS.	3 358	1 231	248.7	3 761.1	162.8	318.2	2 183.4	8 342.0	13 910.5	22 232.8	464.9	1.27	100	100	19 596.9
1976 ASM....	(NA)	(NA)	239.7	3 367.2	155.0	305.2	1 925.1	7 335.8	11 142.1	18 328.1	372.7	1.28	96	96	18 753.0
1975 ASM....	(NA)	(NA)	236.0	3 029.5	151.0	289.9	1 694.9	6 102.5	9 502.8	15 352.0	364.4	1.29	95	94	18 302.2
1974 ASM....	(NA)	(NA)	256.1	3 098.8	167.8	326.6	1 737.6	6 278.3	9 120.1	15 100.5	356.1	1.29	103	102	19 844.8
1973 ASM....	(NA)	(NA)	264.1	2 870.4	175.6	345.4	1 667.1	5 644.2	7 557.6	13 104.8	262.4	1.33	106	102	19 897.9
1972 CENSUS.	3 215	1 260	256.4	2 608.0	168.8	332.6	1 496.9	5 190.0	6 660.7	11 698.1	232.1	1.35	103	98	19 028.7
1971 ASM....	(NA)	(NA)	269.2	2 555.8	176.1	341.5	1 452.2	4 803.4	6 155.0	10 960.3	226.0	1.47	108	94	18 363.1
1970 ASM....	(NA)	(NA)	281.4	2 501.2	185.9	364.6	1 410.3	4 564.9	5 923.2	10 518.5	243.2	1.46	113	99	19 217.2
1969 ASM....	(NA)	(NA)	298.9	2 469.2	199.7	390.2	1 434.2	4 619.8	6 457.4	11 063.9	232.2	1.49	120	103	20 035.5
1968 ASM....	(NA)	(NA)	297.6	2 369.9	204.0	404.3	1 407.1	4 529.9	6 421.8	10 890.6	204.2	1.52	120	100	19 527.6
1967 CENSUS.	3 114	1 313	295.5	2 217.3	203.2	404.2	1 323.9	4 158.9	5 762.0	9 904.1	300.8	1.53	119	99	19 323.2
1966 ASM....	(NA)	(NA)	287.1	2 068.4	197.4	396.8	1 245.7	4 076.0	5 646.3	9 672.2	322.1	1.51	115	98	19 024.5
1965 ASM....	(NA)	(NA)	276.8	1 897.3	190.9	380.2	1 140.6	3 609.1	5 445.4	9 051.0	250.8	1.54	111	92	18 010.2
1964 ASM....	(NA)	(NA)	268.8	1 783.4	184.9	372.5	1 078.6	3 340.9	4 836.8	8 171.5	180.6	1.56	108	89	17 268.5
1963 CENSUS.	3 217	1 283	259.7	1 666.3	179.4	359.7	1 007.3	3 118.7	(NA)	(NA)	170.2	1.53	104	87	16 958.4

(NA) Not available.

¹In annual survey of manufactures (ASM) years, data are estimates based on a representative sample of establishments canvassed annually and may differ from results of a complete canvass of all establishments. ASM publication shows percentage standard errors. Unless otherwise noted, for data prior to 1963, see 1963 Census of Manufactures, vol. III, table 1 of State chapter.

²Including central administrative offices and auxiliaries (for definition, see appendix B).

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 2b. Selected Operating Ratios for the State and Selected Standard Metropolitan Statistical Areas: 1977 and Earlier Years

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials as percent of value of shipments (percent)	Cost of materials and payroll as percent of value of shipments (percent)	Value added per employee (dollars)	Payroll as percent of value added (percent)	Value added per production worker hour (dollars)
MISSOURI									
1977 CENSUS.....	13 177	69	1 914	5.95	61	78	30 206	44	22.86
1976 ASM.....	11 922	68	1 909	5.35	60	79	26 204	45	20.08
1975 ASM.....	11 061	67	1 871	5.01	61	80	23 158	48	18.44
1974 ASM.....	10 248	69	1 911	4.53	59	79	22 064	46	16.74
1973 ASM.....	9 475	69	1 948	4.20	58	78	20 175	47	14.94
1972 CENSUS.....	8 974	69	1 947	4.48	58	78	18 810	48	13.99
1971 ASM.....	8 415	68	1 924	3.75	56	78	17 240	49	13.21
1970 ASM.....	7 919	68	1 960	3.46	57	79	15 198	52	11.37
1969 ASM.....	7 417	69	1 958	3.25	59	80	14 510	51	10.72
1968 ASM.....	7 172	70	1 981	3.11	59	79	14 408	50	10.32
1967 CENSUS.....	6 742	71	1 967	2.93	58	80	13 036	52	9.34
1966 ASM.....	6 482	70	2 014	2.78	59	80	12 880	50	9.09
1965 ASM.....	6 163	71	1 984	2.65	60	81	12 047	51	8.60
1964 ASM.....	5 944	70	1 998	2.57	60	80	11 719	51	8.32
1963 CENSUS.....	5 711	71	1 983	2.49	(NA)	(NA)	10 976	52	7.84
KANSAS CITY, MO.-KANS., SMSA									
1977 CENSUS.....	14 723	66	1 987	6.67	65	79	34 981	42	26.74
1976 ASM.....	13 280	64	1 930	6.11	64	80	31 570	42	25.74
1975 ASM.....	11 849	62	1 845	5.63	64	80	27 308	43	23.77
1974 ASM.....	10 756	64	1 859	5.21	63	78	26 498	41	22.15
1973 ASM.....	10 087	65	1 967	4.74	61	77	25 785	39	20.23
1972 CENSUS.....	9 631	66	1 941	4.48	59	75	24 431	39	19.17
1971 ASM.....	9 065	65	1 918	4.28	58	74	23 010	39	18.50
1970 ASM.....	8 412	64	2 017	3.88	57	76	19 641	43	15.11
1969 ASM.....	7 789	68	1 986	3.54	60	77	18 560	42	13.79
1968 ASM.....	7 587	68	2 031	3.42	60	77	18 551	41	13.35
1967 CENSUS.....	7 006	70	1 981	3.20	61	78	16 002	44	11.56
1966 ASM.....	6 948	69	2 044	3.08	62	79	15 709	44	11.15
1965 ASM.....	6 600	68	2 024	2.95	64	80	14 950	44	10.80
1964 ASM.....	6 400	69	2 022	2.87	63	79	14 823	43	10.64
1963 CENSUS.....	6 161	68	2 031	2.76	(NA)	(NA)	13 629	45	9.89
ST. LOUIS, MO.-ILL., SMSA									
1977 CENSUS.....	15 125	65	1 955	6.86	63	79	33 547	45	26.21
1976 ASM.....	14 048	65	1 969	6.31	61	79	30 604	46	24.04
1975 ASM.....	12 837	64	1 920	5.85	62	82	25 858	50	21.05
1974 ASM.....	12 100	66	1 946	5.32	60	81	24 515	49	19.22
1973 ASM.....	10 869	66	1 967	4.83	58	80	21 371	51	16.34
1972 CENSUS.....	10 180	66	1 970	4.51	57	79	20 145	51	15.55
1971 ASM.....	9 494	65	1 939	4.25	56	79	17 843	53	14.07
1970 ASM.....	8 888	66	1 961	3.87	56	80	16 222	55	12.52
1969 ASM.....	8 261	67	1 954	3.68	58	81	15 456	53	11.84
1968 ASM.....	7 963	69	1 982	3.48	59	81	15 221	52	11.20
1967 CENSUS.....	7 504	69	1 989	3.28	58	81	14 074	53	10.29
1966 ASM.....	7 204	69	2 010	3.14	58	80	14 197	51	10.27
1965 ASM.....	6 854	69	1 992	3.00	60	81	13 039	53	9.49
1964 ASM.....	6 635	69	2 015	2.90	59	81	12 429	53	8.97
1963 CENSUS.....	6 416	69	2 005	2.80	(NA)	(NA)	12 009	53	8.67

Note: For qualifications to data, see footnotes on table 2a.
(NA) Not available.

Table 3a. Summary Statistics for the State: 1977 and 1972

[For explanation of terms, see appendix B]

Item	Unit of measure	1977	1972
All establishments ¹	number -----	7 355	6 732
With 1 to 19 employees	do -----	4 925	4 262
With 20 to 99 employees	do -----	1 587	1 635
With 100 employees or more	do -----	843	835
All employees, average for year ¹	1,000 -----	433.3	434.3
Payroll for year, all employees ¹	mil. dollars --	5 709.1	3 897.3
Production workers:			
Average for year	1,000 -----	299.1	299.8
March	do -----	290.1	293.2
May	do -----	297.3	297.4
August	do -----	302.1	302.7
November	do -----	305.8	306.0
Hours	millions -----	572.4	583.8
January to March	do -----	136.7	143.6
April to June	do -----	143.7	146.8
July to September	do -----	146.0	144.7
October to December	do -----	146.1	148.7
Wages	mil. dollars --	3 408.5	2 305.4
Cost of materials, etc. ²	do -----	20 098.8	10 805.9
Materials, parts, containers, etc., consumed	do -----	18 227.7	9 857.8
Resales	do -----	1 078.9	579.8
Fuels consumed	do -----	256.8	87.4
Purchased electric energy	do -----	230.9	105.3
Contract work	do -----	304.5	175.6
Value of shipments, including resales ²	do -----	33 162.5	18 773.8
Value of resales	do -----	1 221.4	696.0
Value added by manufacture	do -----	13 087.0	8 169.0
Manufacturers' inventories:			
Beginning of year	do -----	4 289.7	2 166.7
Finished products	do -----	993.4	625.8
Work in process	do -----	1 660.4	716.5
Materials, supplies, fuel, etc.	do -----	1 636.0	824.5
End of year	do -----	4 460.5	2 421.7
Finished products	do -----	999.4	655.6
Work in process	do -----	1 675.7	868.4
Materials, supplies, fuel, etc.	do -----	1 785.4	897.7
Capital expenditures for plant and equipment	do -----	831.3	415.1
New capital expenditures	do -----	780.9	395.9
New buildings and other structures	do -----	132.4	93.9
New machinery and equipment	do -----	648.5	302.0
Used capital expenditures	do -----	50.4	19.2

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies.

¹Including central administrative offices and auxiliaries (for definition, see appendix B).

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 3b. Supplemental State Statistics Based on Sample Estimates: 1977

(For explanation of terms, see appendix B. For description of annual survey of manufactures (ASM), see appendix F)

Item	Amount (million dollars)	Standard error of estimate (percent)	Item	Amount (million dollars)	Standard error of estimate (percent)
Gross value of depreciable assets:			Rental payments:		
Total:			Total.....	116.3	4
Beginning of year.....	6,576.1	1	Buildings and other structures.....	53.5	6
New capital expenditures.....	799.1	3	Machinery and equipment.....	62.8	4
Used capital expenditures.....	49.5	5			
Retirements.....	187.1	5	Depreciation charges during 1977:		
End of year.....	7,238.2	1	Total.....	447.5	3
Buildings and other structures:			Buildings and other structures.....	76.2	2
Beginning of year.....	1,904.7	1	Machinery and equipment.....	371.3	3
New capital expenditures.....	138.9	7			
Used capital expenditures.....	22.7	6	Supplemental labor costs:		
Retirements.....	27.8	10	Total.....	1,100.6	1
End of year.....	2,038.5	1	Legal costs.....	386.5	1
Machinery and equipment:			Voluntary costs.....	714.1	1
Beginning of year.....	4,672.0	1			
New capital expenditures.....	660.2	2	Purchased services:		
Automobiles, trucks, etc., for highway use...	20.4	(NA)	Cost of purchased services for the repair of--		
Computers and peripheral data processing equip.	14.2	(NA)	Buildings and other structures.....	89.2	4
All other.....	545.6	(NA)	Response coverage ratio (percent).....	63	(X)
New machinery and equipment, n.s.k.....	80.0	(NA)	Machinery.....	264.6	6
Used capital expenditures.....	26.8	7	Response coverage ratio (percent).....	61	(X)
Retirements.....	159.5	4	Cost of purchased communication services.....	382.2	2
End of year.....	5,199.4	1	Response coverage ratio (percent).....	62	(X)

Note: Expenditures data, shown in tables 2a, 3a, and 4-8, are census universe figures and may differ from ASM sample estimates shown in this table. Table 3b figures represent best estimate of year-to-year change as measured by continuing ASM sample, but are subject to sampling errors. Hence, as estimates of level, they are not as reliable as universe figures.

(NA) Not available. n.s.k. Not specified by kind. (S) Withheld because estimate did not meet publication standards.

(X) Not applicable.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area		1977										1972		
		All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)						
Missouri-----	-	7 355	2 430	433.3	5 709.1	299.1	572.4	3 408.5	13 087.0	20 098.8	33 162.5	780.9	434.3	8 169.0
STANDARD METROPOLITAN STATISTICAL AREAS														
Columbia-----	E4	71	21	3.1	35.4	1.9	3.6	17.7	77.2	66.2	142.4	4.2	2.1	40.5
Kansas City, Mo.-Kans.-----	-	2 054	702	117.8	1 734.0	77.6	154.1	1 027.4	4 119.9	7 618.8	11 765.4	328.0	118.8	2 902.4
Portion in Missouri-----	E1	1 432	467	81.5	1 214.9	52.6	102.3	698.8	2 820.1	4 657.6	7 492.6	236.7	87.2	1 986.8
Portion in Kansas-----	-	622	235	36.2	519.1	24.9	51.8	328.5	1 299.8	2 961.2	4 272.8	91.3	31.6	915.6
St. Joseph-----	-	115	53	9.3	109.9	7.0	13.5	74.9	327.6	697.0	1 015.6	27.4	9.4	178.5
St. Louis, Mo.-Ill.-----	-	3 358	1 231	248.7	3 761.1	162.8	318.2	2 183.4	8 342.0	13 910.5	22 232.8	464.9	256.4	5 190.0
Portion in Illinois-----	-	454	171	40.9	638.9	31.5	61.3	451.9	1 565.7	4 090.9	5 639.3	163.1	42.8	945.4
Portion in Missouri-----	-	2 904	1 060	207.7	3 122.2	131.3	257.0	1 731.5	6 776.3	9 819.6	16 593.6	301.7	213.6	4 244.6
Springfield-----	-	328	90	18.9	205.6	14.2	26.4	141.3	503.0	1 007.2	1 504.3	25.1	17.7	247.9
COUNTIES														
Adair-----	-	23	9	2.1	21.6	1.8	3.5	17.3	60.9	60.2	125.1	3.8	1.9	38.5
Andrew-----	E1	5	-	(Z)	0.5	(Z)	0.1	0.3	1.5	0.5	1.8	(D)	(Z)	(NA)
Atchison-----	-	13	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Audrain-----	-	36	17	3.9	47.6	2.9	5.2	32.4	72.5	143.0	220.7	8.5	4.2	57.2
Barry-----	-	58	19	3.0	24.5	2.5	4.7	17.6	53.1	148.9	202.4	2.6	1.9	16.2
Barton-----	-	20	3	0.8	7.2	0.6	1.2	4.3	15.7	14.4	28.6	1.4	0.7	9.6
Bates-----	E1	22	3	0.4	2.4	0.3	0.5	1.8	6.1	9.9	15.2	0.2	0.5	2.9
Benton-----	E2	17	3	0.3	2.2	0.3	0.5	1.7	4.2	3.2	7.4	0.1	0.2	1.5
Bollinger-----	E2	24	4	0.5	3.1	0.5	1.0	2.8	6.0	4.9	10.9	0.4	0.3	3.3
Boone-----	-	71	21	3.1	35.4	1.9	3.6	17.7	77.2	66.2	142.4	4.2	2.1	40.5
Buchanan-----	-	110	53	9.3	109.4	6.9	13.5	74.6	326.1	696.6	1 013.8	(D)	9.4	177.7
Butler-----	E1	50	13	1.7	11.4	1.4	2.1	8.9	24.6	21.0	45.1	1.4	1.4	18.4
Caldwell-----	-	9	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(Z)	(NA)
Callaway-----	-	22	8	1.0	11.7	0.8	1.5	9.0	23.1	25.8	47.7	1.9	1.2	22.0
Camden-----	E1	37	5	0.7	6.2	0.6	1.1	4.4	14.4	10.9	25.3	1.5	0.6	5.9
Cape Girardeau-----	-	91	30	5.0	53.8	4.1	7.5	40.0	141.7	185.9	326.8	19.6	4.6	71.3
Carroll-----	-	13	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Carter-----	E5	24	4	0.3	2.4	0.3	0.5	1.8	5.4	4.1	9.5	0.6	0.1	1.0
Cass-----	-	52	10	0.7	6.5	0.5	1.0	4.1	12.3	11.0	22.5	1.1	0.6	9.1
Cedar-----	-	21	8	0.8	5.9	0.8	1.4	5.0	10.3	16.5	27.2	0.4	0.8	11.1
Chariton-----	E1	10	2	0.3	2.4	0.3	0.5	2.0	3.3	3.1	6.4	0.1	0.4	4.7
Christian-----	E1	43	8	1.2	10.1	1.1	2.1	8.2	20.3	15.9	36.6	1.2	1.0	11.9
Clark-----	-	4	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Clay-----	-	204	82	15.5	238.4	9.7	19.0	140.1	673.9	1 427.7	2 067.6	43.9	15.1	398.7
Clinton-----	-	11	3	0.2	1.9	0.2	0.3	1.2	6.6	3.7	10.3	(D)	0.1	0.6
Cole-----	-	46	14	4.0	41.0	2.6	5.0	25.3	133.5	100.8	231.7	5.4	3.0	83.9
Cooper-----	-	16	9	0.9	8.1	0.7	1.3	5.4	22.9	25.8	50.7	0.7	1.0	13.4
Crawford-----	E1	41	9	1.0	7.3	0.8	1.4	5.6	11.9	14.1	25.9	0.5	1.0	12.8
Dade-----	-	8	2	0.2	1.2	0.2	0.3	0.9	2.6	5.0	7.5	(D)	0.1	0.9
Dallas-----	E2	11	1	0.1	0.8	0.1	0.2	0.7	1.0	1.0	2.0	(Z)	(Z)	(NA)
Daviess-----	-	8	3	0.3	2.0	0.3	0.4	1.4	4.1	4.2	8.4	(D)	0.4	3.7
De Kalb-----	E0	6	-	(Z)	0.1	(Z)	(Z)	0.1	0.2	0.5	0.7	(D)	(D)	(D)
Dent-----	-	23	7	1.4	12.5	1.2	2.2	9.4	30.3	25.3	57.4	1.4	1.3	18.0
Douglas-----	-	15	2	0.5	3.0	0.5	0.9	2.5	7.2	5.5	12.3	(D)	0.5	4.9
Dunklin-----	-	42	11	2.9	25.9	2.5	4.6	20.3	73.9	62.6	136.6	3.6	3.0	46.3
Franklin-----	-	117	49	6.4	59.7	5.0	9.2	42.2	122.4	161.6	282.0	4.6	6.1	99.1
Gasconade-----	E2	31	10	1.4	11.2	1.3	2.4	9.5	24.0	21.3	45.0	1.1	1.1	16.9
Gentry-----	-	10	3	0.3	2.2	0.3	0.6	1.5	16.3	10.9	26.9	0.4	0.2	1.8
Greene-----	-	285	82	17.7	195.5	13.1	24.3	133.0	482.8	991.3	1 467.7	23.9	16.7	236.0
Grundy-----	-	17	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Harrison-----	-	8	3	0.3	2.2	0.3	0.6	1.9	3.9	4.4	8.3	(D)	0.3	2.5
Henry-----	-	23	10	1.6	12.6	1.3	2.4	8.6	43.8	84.8	129.2	0.6	1.6	20.5
Hickory-----	E8	9	-	(Z)	0.1	(Z)	(Z)	0.1	0.2	0.2	0.3	(Z)	(Z)	(NA)
Holt-----	E3	4	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(Z)	(NA)
Howard-----	-	13	3	0.7	4.0	0.5	0.9	2.9	10.8	8.0	18.9	1.4	(D)	(D)
Howell-----	-	63	19	2.6	18.1	2.3	4.0	14.4	50.3	58.7	107.6	1.7	2.2	22.6
Iron-----	-	20	6	1.2	13.4	1.0	1.9	10.0	76.2	150.7	190.1	1.8	0.6	12.5
Jackson-----	-	1 143	364	64.6	960.5	41.8	81.2	548.9	2 121.0	3 190.8	5 361.8	190.4	71.0	1 572.8
Jasper-----	-	194	79	10.3	107.0	7.8	15.0	72.0	266.2	373.2	638.1	16.7	10.7	151.8
Jefferson-----	-	83	17	3.4	41.5	2.8	5.6	32.2	212.8	126.3	337.2	10.9	3.6	95.6
Johnson-----	-	26	7	0.8	7.6	0.7	1.3	5.5	22.9	20.2	43.7	0.7	1.1	21.7
Knox-----	-	7	3	0.1	0.9	0.1	0.2	0.8	1.6	1.6	3.1	(D)	(D)	(D)
Laclede-----	-	43	18	2.3	20.0	1.8	3.2	15.0	40.9	32.2	70.8	4.7	2.5	23.2
Lafayette-----	E1	40	12	1.2	9.6	1.1	1.8	6.4	23.1	25.8	48.2	1.0	1.2	11.4
Lawrence-----	-	44	19	1.8	15.2	1.5	2.9	11.4	41.4	82.5	122.3	0.8	2.1	32.6
Lewis-----	-	6	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Lincoln-----	-	23	6	0.5	3.6	0.3	0.5	1.9	5.9	3.6	9.5	0.4	0.4	4.1
Linn-----	-	22	10	1.7	11.2	1.4	2.3	8.2	25.0	17.0	41.3	1.9	1.4	16.5
Livingston-----	E1	23	11	1.2	11.2	1.0	1.9	8.6	33.1	24.9	56.8	0.9	1.0	14.6
McDonald-----	-	26	5	0.9	6.4	0.8	1.4	5.0	19.8	44.2	63.7	0.6	1.7	15.6
Macon-----	-	13	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Madison-----	-	21	7	0.6	3.8	0.5	0.9	3.2	8.5	8.4	16.7	0.7	0.5	6.5
Maries-----	-	10	3	0.4	2.8	0.3	0.7	2.5	8.7	8.7	17.2	0.2	0.5	6.7
Marion-----	E1	32	12	1.2	11.9	1.0	1.8	7.6	39.1	47.7	79.1	(D)	1.5	17.1
Mercer-----	E0	2	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Miller-----	-	29	11	1.0	7.3	0.9	1.6	6.1	10.9	14.5	24.6	0.5	0.6	4.6
Mississippi-----	-	14	4	0.6	3.6	0.5	0.8	3.1	8.0	7.2	15.3	0.1	0.6	6.8
Moniteau-----	-	22	7	1.1	8.0	0.9	1.5	6.1	16.6	29.5	45.3	(D)	1.5	13.6
Monroe-----	-	11	3	0.6	5.9	0.5	1.0	4.5	11.3	10.3	21.4	(D)	(D)	(D)
Montgomery-----	-	24	8	0.8	7.8	0.6	1.1	4.6	16.7	37.1	54.2	1.0	0.6	16.3
Morgan-----	E2	26	5	0.5	3.3	0.4	0.7	2.4	6.0	6.9	12.8	0.4	0.6	5.0

See footnotes at end of table.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area	1977											1972		
	E ¹	All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)						
COUNTIES—Con.														
New Madrid	-	16	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)		1.1	19.6
Newton	-	64	18	3.0	29.0	2.6	4.5	21.3	68.2	97.2	166.4	4.4	2.6	33.1
Nodaway	-	23	8	0.9	9.9	0.7	1.4	7.3	26.1	35.2	61.1	3.9	0.4	9.3
Oregon	E2	14	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	2.4
Osage	-	19	5	0.5	4.3	0.5	0.8	3.0	9.0	12.4	21.4	0.3	0.6	5.0
Ozark	E3	10	1	0.1	0.5	0.1	0.1	0.4	1.1	1.7	2.8	0.1	0.1	1.5
Pemiscot	-	19	6	1.2	10.1	1.0	2.0	7.9	24.6	32.4	56.7	0.3	1.1	16.5
Perry	-	28	5	1.3	15.1	1.0	1.8	8.9	33.0	74.8	124.8	2.1	1.0	11.2
Pettis	-	44	23	3.2	26.4	2.5	4.5	17.4	61.9	83.5	147.2	2.5	3.1	46.3
Phelps	E1	31	10	1.2	10.3	0.9	1.9	6.9	25.3	28.6	53.3	3.8	0.9	11.6
Pike	-	24	7	1.1	15.7	0.8	1.6	10.2	58.7	60.0	128.8	(D)	1.1	34.0
Platte	-	19	7	0.5	7.2	0.3	0.7	4.1	9.2	25.0	34.0	1.0	0.3	4.4
Polk	E4	27	8	0.7	4.7	0.6	1.0	3.3	8.4	10.9	19.1	0.5	0.6	6.5
Pulaski	E2	20	6	0.7	4.7	0.6	1.0	4.0	10.0	6.7	16.6	0.3	0.7	7.2
Putnam	E0	3	-	(Z)	0.1	(Z)	(Z)	(Z)	0.2	0.1	0.3	(D)	(D)	(D)
Ralls	-	12	6	0.7	7.5	0.5	1.1	5.8	48.0	49.9	96.9	1.8	0.5	10.0
Randolph	-	34	8	1.8	16.6	1.2	2.5	12.2	65.5	71.4	137.8	5.4	1.3	32.5
Ray	E2	14	4	0.3	2.4	0.2	0.5	1.7	3.7	3.1	6.7	0.3	0.2	1.8
Reynolds	E2	30	1	0.3	1.8	0.2	0.4	1.7	3.6	4.0	7.5	0.3	0.2	1.6
Ripley	-	35	2	0.5	3.1	0.4	0.8	2.7	12.0	12.0	23.6	0.6	0.2	1.7
St. Charles	-	112	33	5.0	68.8	3.0	5.5	32.9	119.2	75.5	196.5	14.9	4.5	74.0
St. Clair	E0	4	-	(Z)	0.1	(Z)	(Z)	0.1	0.3	1.1	1.4	(Z)	(Z)	(NA)
St. Francois	-	47	14	1.6	13.6	1.2	2.1	8.0	22.9	26.2	49.0	0.9	1.3	14.2
St. Louis	-	1 285	434	100.4	1 578.2	56.9	112.5	769.5	3 422.5	4 907.5	8 348.4	125.2	101.8	2 231.3
Ste. Genevieve	-	17	6	2.7	25.8	2.2	4.2	19.2	59.2	48.2	107.3	(D)	2.2	37.8
Saline	-	26	11	2.4	23.6	2.0	3.8	18.5	52.4	259.9	311.9	1.6	2.1	28.6
Schuyler	E0	1	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Scotland	E1	6	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Scott	-	46	15	2.3	20.2	1.9	3.3	14.3	38.5	62.9	100.9	1.8	2.7	29.7
Shannon	-	27	5	0.6	3.8	0.6	0.9	3.0	9.8	7.8	17.6	0.6	0.6	5.0
Shelby	-	9	3	0.5	3.2	0.4	0.8	2.3	8.7	7.9	15.7	0.6	(D)	(D)
Stoddard	-	49	16	3.3	24.6	3.0	5.4	20.7	59.4	59.7	118.0	2.4	2.8	27.8
Stone	-	15	5	0.6	3.6	0.6	0.9	2.7	7.1	7.6	14.8	0.1	0.6	4.1
Sullivan	E1	4	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Taney	E3	24	4	0.3	2.0	0.2	0.4	1.5	6.1	9.4	15.6	0.3	0.4	3.7
Texas	-	58	12	2.0	13.2	1.8	3.1	11.3	24.4	51.8	78.1	1.3	1.9	18.4
Vernon	-	20	8	0.9	9.2	0.7	1.4	6.4	34.2	32.4	65.2	(D)	0.8	10.9
Warren	-	25	9	1.2	13.9	0.9	1.7	9.4	33.1	93.5	129.1	2.1	1.8	32.2
Washington	-	12	2	0.5	3.4	0.5	0.9	2.9	7.8	9.9	17.7	0.4	0.5	7.4
Wayne	-	39	4	0.7	4.2	0.6	1.1	3.5	8.7	18.3	26.8	0.3	0.4	2.6
Webster	-	25	8	1.1	8.9	0.9	1.7	6.2	19.0	17.6	36.4	0.8	0.9	11.4
Worth	-	2	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Wright	-	19	5	1.2	9.5	1.1	2.0	7.3	20.9	20.6	41.0	0.6	1.2	11.6
St. Louis (independent city)	-	1 307	527	92.6	1 374.0	63.5	124.1	854.7	2 899.4	4 548.7	7 429.5	(D)	97.3	1 736.3
CITIES														
Aurora	-	17	12	1.2	9.1	0.9	1.8	6.8	17.5	36.9	53.9	0.3	1.2	14.9
Ava	-	14	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Berkeley	-	32	7	1.0	12.0	0.6	1.2	6.8	28.9	42.4	70.6	0.7	(D)	(D)
Blue Springs	-	29	7	0.8	8.2	0.6	1.0	4.8	17.1	13.7	30.7	0.6	0.6	9.2
Bolivar	E2	17	5	0.7	4.3	0.5	1.0	3.0	8.0	9.5	17.2	0.4	0.6	6.4
Boonville	-	12	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Brentwood	-	85	28	2.5	30.0	1.6	3.2	15.9	55.5	45.6	100.2	2.1	2.0	29.4
Bridgeton	-	42	20	3.6	50.7	2.5	4.9	30.9	124.7	115.8	237.7	3.2	4.4	85.7
Brookfield	-	11	4	0.9	6.1	0.7	1.2	4.3	11.2	11.8	22.9	(D)	0.9	11.3
California	E2	12	4	0.6	5.1	0.5	0.9	3.8	9.2	23.6	32.1	(D)	0.7	4.4
Cape Girardeau	-	73	20	3.4	39.7	2.7	4.9	29.2	112.5	143.6	256.3	17.6	3.6	58.4
Carrollton	-	10	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Carthage	-	36	18	2.7	26.5	2.1	4.2	18.9	76.0	157.4	234.2	4.1	2.8	49.0
Caruthersville	-	8	4	1.0	8.6	0.9	1.6	6.8	21.9	24.0	45.7	0.3	0.7	9.5
Centralia	-	4	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Chaffee	-	8	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Chillicothe	E1	22	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Clayton	E3	50	10	2.4	38.8	0.1	0.2	1.0	3.0	2.8	6.0	0.2	0.9	5.7
Clinton	-	13	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Columbia	-	64	18	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Crestwood	-	32	15	2.1	31.1	1.6	3.2	20.3	41.9	42.8	84.9	1.5	2.1	31.6
Creve Coeur	-	27	7	5.8	115.1	0.2	0.3	1.8	11.6	9.2	20.6	0.2	4.5	9.0
Crystal City	-	7	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
De Soto	-	11	2	0.5	3.7	0.5	0.9	3.5	7.8	4.0	11.8	0.1	0.7	4.6
Dexter	-	23	10	1.6	14.0	1.4	2.8	11.5	34.1	42.4	75.4	1.4	1.1	11.4
Eldon	-	12	6	0.7	5.2	0.6	1.1	4.3	7.7	11.7	18.6	0.4	(NA)	(NA)
El Dorado Springs	-	16	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Excelsior Springs	-	16	5	0.8	6.8	0.7	1.2	4.9	13.7	17.7	31.1	1.1	0.7	9.6
Farmington	-	15	7	1.2	8.4	0.9	1.5	5.0	13.0	9.4	22.6	0.3	0.8	7.2
Ferguson	-	27	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Fulton	-	15	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Grandview	E1	53	17	1.9	20.1	1.3	2.6	11.9	43.3	46.7	89.8	2.1	1.6	24.0
Hannibal	-	26	12	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.3	20.5
Hazelwood	-	36	17	4.2	81.3	3.4	7.9	61.7	367.3	864.9	1 227.4	(D)	4.8	242.2
Hermann	-	15	4	0.7	5.5	0.7	1.3	4.8	12.6	11.7	24.3	0.8	(D)	(D)
Hillsdale	-	8	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Independence	-	93	24	3.3	44.8	2.6	4.7	32.1	191.4	166.8	357.8	10.1	2.5	100.2
Jackson	-	15	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

See footnotes at end of table.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Geographic area	E ¹	1977										1972			
		All establishments ²		All employees ²		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)	
		Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)							
CITIES—Con.															
Jefferson City	-	46	14	4.0	41.0	2.6	5.0	25.3	133.5	100.8	231.7	5.4	(D)	(D)	
Joplin	-	112	46	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	5.8	71.5	
Kansas City	-	871	292	51.6	775.1	30.2	59.1	399.6	1 525.5	2 387.1	3 972.3	148.8	56.6	1 187.2	
Kennett	-	19	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.6	24.6	
Kirksville	-	19	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Kirkwood	E1	36	12	0.6	7.8	0.4	0.9	5.0	13.5	12.5	25.8	0.6	(NA)	(NA)	
Ladue	-	17	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)	
Lamar	-	15	3	0.7	7.0	0.6	1.1	4.2	15.1	13.9	27.6	1.4	(D)	(D)	
Lebanon	-	39	17	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Lee's Summit	-	43	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Lemay (U)	-	30	10	1.5	18.2	1.1	2.0	12.4	50.6	33.5	89.4	2.1	1.6	29.5	
Lexington	-	7	3	0.5	3.7	0.4	0.7	2.1	8.3	7.0	14.8	0.4	(NA)	(NA)	
Liberty	-	17	5	0.5	5.7	0.2	0.4	2.0	21.6	17.4	38.8	0.7	0.6	8.1	
Louisiana	-	13	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Macon	-	9	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Malden	-	16	6	1.1	10.3	0.9	1.6	7.8	19.2	22.4	40.4	(D)	(D)	(D)	
Manchester	-	12	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.3	15.4	
Maplewood	-	31	6	1.7	25.5	1.1	2.1	14.0	56.4	42.4	101.7	2.9	2.2	39.1	
Marceline	-	10	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)	
Marshall	-	19	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Marshfield	-	13	6	0.7	6.4	0.6	1.1	4.0	14.7	16.0	30.5	0.5	0.6	9.0	
Maryville	-	20	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)	
Mexico	-	24	10	2.7	33.4	1.8	3.3	21.0	43.0	114.5	163.3	5.7	2.9	36.9	
Moberly	-	28	8	1.8	16.4	1.2	2.4	12.0	65.1	70.7	136.7	5.3	1.3	32.1	
Monett	E0	31	14	2.0	16.2	1.6	2.8	10.8	33.3	134.5	168.1	1.6	1.4	10.4	
Mountain Grove	-	9	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)	
Neosho	-	44	15	2.5	23.7	2.1	3.6	16.7	54.6	77.4	132.4	3.8	1.5	20.7	
Nevada	-	16	7	0.8	8.8	0.6	1.3	6.1	33.2	31.5	63.3	(D)	0.7	9.4	
North Kansas City	-	129	65	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
O'Fallon	-	18	6	0.7	8.8	0.6	1.2	6.3	13.6	12.5	26.0	(D)	0.6	9.7	
Olivette	E1	19	10	1.6	23.8	0.9	1.7	9.3	53.7	37.5	90.5	1.3	1.1	29.5	
Overland	-	82	30	3.3	40.2	2.2	4.1	21.5	96.8	79.9	175.4	5.2	3.3	58.0	
Pagedale	-	17	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Palmyra	-	9	3	0.5	3.7	0.4	0.8	2.8	12.7	18.6	31.1	0.2	(NA)	(NA)	
Perryville	-	20	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.7	8.4	
Poplar Bluff	E1	39	13	1.6	10.9	1.4	2.0	8.5	23.6	19.4	42.4	1.2	1.3	18.1	
Portageville	-	4	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)	
Potosi	-	9	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Raytown	E2	38	9	0.6	6.6	0.5	1.0	4.6	12.2	7.8	19.9	0.6	(NA)	(NA)	
Rolla	E1	20	8	0.9	8.9	0.7	1.6	5.8	22.6	27.3	49.3	3.8	0.6	9.4	
St. Charles	-	59	15	2.3	34.6	0.9	1.7	10.1	44.7	27.5	72.0	2.5	2.3	33.8	
St. Clair	-	15	6	0.5	4.7	0.4	0.7	3.6	9.5	15.0	24.5	0.3	(NA)	(NA)	
Ste. Genevieve	-	13	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
St. Joseph	-	93	44	7.2	86.1	5.3	10.2	57.2	268.7	398.4	664.6	24.7	(D)	(D)	
St. Louis	-	1 307	527	92.6	1 374.0	63.5	124.1	854.7	2 899.4	4 548.7	7 429.5	(D)	(NA)	(NA)	
Salem	-	18	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Sedalia	-	42	22	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Sikeston	-	33	12	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.6	18.6	
Springfield	-	251	79	17.4	193.5	12.9	24.0	131.8	479.1	984.4	1 457.6	23.8	16.3	232.7	
Sugar Creek	-	11	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Sullivan	-	15	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.8	15.9	
Trenton	-	17	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Union	-	17	5	0.6	4.4	0.5	0.9	3.4	5.8	10.3	16.9	0.2	1.6	15.6	
Valley Park	-	24	10	0.7	8.4	0.6	1.1	6.0	18.4	32.3	51.4	1.2	0.7	9.5	
Vandalia	-	8	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Washington	-	36	18	2.8	27.1	2.2	4.3	20.1	63.3	67.7	130.2	1.6	1.8	39.3	
Webb City	-	26	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.3	22.3	
Webster Groves	-	30	4	0.8	15.7	0.2	0.5	3.8	56.4	31.1	87.0	(D)	0.9	22.1	
Wellston	-	30	10	2.7	35.4	2.4	4.6	30.1	190.8	109.4	296.8	2.5	3.2	86.3	
West Plains	-	35	10	1.6	11.7	1.4	2.5	9.4	34.6	40.5	74.0	1.0	1.3	14.5	

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Including central administrative offices and auxiliaries (for definition, see appendix B).

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

Business industry groups and industries with 150 employees or more. For explanation of terms, see appendix B.															
SIC code	Industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	All industries -----	-	7 355	2 430	433.3	5 709.1	299.1	572.4	3 408.5	13 087.0	20 098.8	33 162.5	780.9	434.3	8 169.0
20	Food and kindred products -----	-	637	259	38.8	519.1	27.2	54.2	337.0	1 529.2	4 387.9	5 905.5	99.6	41.6	1 011.7
201	Meat products -----	-	161	48	8.0	93.2	6.6	13.5	70.6	218.0	1 091.8	1 309.1	11.5	7.6	136.4
2011	Meat packing plants -----	-	107	22	2.8	40.6	2.2	4.6	32.0	72.3	648.4	717.7	4.2	3.8	83.0
2013	Sausages and other prepared meats -----	-	29	10	2.3	34.2	1.7	4.4	23.7	97.8	295.6	393.4	4.2	1.2	32.6
2016	Poultry dressing plants -----	-	18	11	2.4	15.0	2.2	3.8	12.4	35.3	111.3	148.6	(D)	2.4	18.4
2017	Poultry and egg processing --	-	7	5	0.4	3.4	0.4	0.7	2.6	12.7	36.5	49.4	(D)	0.2	2.4
202	Dairy products -----	-	76	40	5.5	72.2	3.7	7.4	44.6	222.7	975.5	1 194.7	8.1	6.1	134.5
2022	Cheese, natural and processed -----	-	22	12	2.2	27.0	1.8	3.6	21.3	107.2	517.8	619.4	2.8	2.0	33.8
2023	Condensed and evaporated milk -----	-	9	6	0.5	5.5	0.4	0.8	4.4	19.1	75.7	96.3	0.7	0.9	17.2
2024	Ice cream and frozen desserts -----	-	10	5	0.5	6.1	0.3	0.6	3.6	12.4	25.2	37.6	(D)	0.4	18.7
2026	Fluid milk -----	-	33	17	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.7	63.8
203	Preserved fruits and vegetables -----	-	24	10	2.8	27.6	2.4	4.6	22.3	81.8	261.3	343.1	5.1	FF	(D)
2035	Pickles, sauces, and salad dressings -----	-	4	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2038	Frozen specialties -----	-	13	8	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
204	Grain mill products -----	-	105	38	5.0	67.3	3.5	7.1	42.2	309.1	746.3	1 058.5	21.3	4.9	143.2
2041	Flour and other grain mill products -----	-	12	9	1.2	17.7	0.8	1.8	11.5	79.4	240.3	320.1	1.8	1.1	37.7
2043	Cereal breakfast foods -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2046	Wet corn milling -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2047	Dog, cat, and other pet food -----	-	10	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2048	Prepared feeds, n.e.c. -----	-	77	23	1.9	22.2	1.2	2.5	12.1	92.9	336.0	428.4	8.6	2.1	50.8
205	Bakery products -----	-	71	30	5.9	80.9	3.5	6.7	46.0	180.9	131.9	312.6	8.8	6.3	124.1
2051	Bread, cake, and related products -----	-	58	24	5.1	72.6	2.9	5.4	40.3	149.0	105.9	254.9	7.1	5.5	101.8
2052	Cookies and crackers -----	-	13	6	0.8	8.3	0.6	1.3	5.7	31.8	26.0	57.8	1.7	0.8	22.3
206	Sugar and confectionery products -----	-	30	13	1.4	13.6	1.0	2.1	9.3	48.5	55.9	105.5	2.1	EE	(D)
2065	Confectionery products -----	-	29	12	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
207	Fats and oils -----	-	20	11	0.8	9.5	0.6	1.3	7.1	33.3	312.5	338.4	6.5	0.8	19.7
2075	Soybean oil mills -----	-	3	3	0.3	3.8	0.2	0.5	2.7	20.9	260.4	274.3	(D)	BB	(D)
2077	Animal and marine fats and oils -----	E1	12	4	0.2	2.0	0.1	0.3	1.4	7.2	11.0	18.1	(D)	(NA)	(NA)
2079	Shortening and cooking oils --	-	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
208	Beverages -----	-	76	39	6.8	123.2	4.2	8.2	78.0	287.0	461.2	745.1	24.6	8.1	292.1
2082	Malt beverages -----	-	3	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
2085	Distilled liquor, except brandy -----	-	3	3	0.3	3.7	0.2	0.3	1.8	19.1	31.1	50.0	(D)	AA	(D)
2086	Bottled and canned soft drinks -----	-	56	31	2.9	41.8	1.1	2.2	12.5	89.9	132.0	221.2	(D)	3.3	65.8
2087	Flavoring extracts and sirups, n.e.c. -----	-	10	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	36.8
209	Miscellaneous foods and kindred products -----	-	74	30	2.7	31.7	1.7	3.2	17.0	147.9	351.6	498.5	11.5	3.0	75.3
2095	Roasted coffee -----	-	7	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	17.7
2097	Manufactured ice -----	E1	21	2	0.2	1.3	0.1	0.2	0.8	2.5	1.0	3.6	0.4	AA	(D)
2099	Food preparations, n.e.c. -----	-	44	22	2.1	24.8	1.3	2.5	13.5	109.8	124.5	235.0	(D)	1.8	49.0
22	Textile mill products --	E2	22	6	0.4	3.5	0.3	0.5	2.1	5.3	11.5	18.2	0.7	EE	(D)
23	Apparel and other textile products -----	-	372	223	29.5	201.4	25.8	44.9	157.1	398.7	342.0	740.7	10.7	30.9	289.2
2311	Men's and boys' suits and coats -----	-	12	10	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.8	22.7
232	Men's and boys' furnishings ---	-	84	71	10.8	67.7	9.7	17.3	55.7	131.4	89.9	225.6	(D)	11.4	94.9
2321	Men's and boys' shirts and nightwear -----	-	6	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2327	Men's and boys' separate trousers -----	-	18	13	2.3	15.0	2.0	3.5	12.4	21.6	14.2	36.6	0.8	FF	(D)
2328	Men's and boys' work clothing -----	-	36	31	5.4	33.3	4.9	9.1	28.9	65.5	41.7	110.3	(D)	FF	(D)
2329	Men's and boys' clothing, n.e.c. -----	-	20	19	2.2	13.5	2.0	3.3	9.9	36.1	26.9	63.3	0.5	2.5	21.8
233	Women's and misses' outerwear -----	E1	81	52	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	8.0	76.7
2331	Women's and misses' blouses and waists -----	E8	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2335	Women's and misses' dresses -----	E2	38	18	1.9	15.2	1.7	3.1	12.3	25.2	13.7	38.8	0.2	3.5	33.2
2337	Women's and misses' suits and coats -----	-	21	16	2.2	19.2	1.8	2.7	13.3	38.5	32.3	70.2	0.3	2.4	26.0
2339	Women's and misses' outerwear, n.e.c. -----	E2	18	16	2.1	14.5	1.9	3.1	11.0	25.4	19.5	45.0	0.3	EE	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
23	Apparel and other textile products—Con.														
234	Women's and children's undergarments -----	-	10	9	2.0	14.0	1.7	2.7	11.0	36.6	28.6	65.4	(D)	4.9	24.2
2341	Women's and children's underwear -----	-	9	8	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	4.9	24.2
2342	Brassieres and allied garments -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
235	Hats, caps, and millinery -----	-	37	29	3.4	20.3	3.1	5.6	17.1	33.1	32.0	64.5	(D)	2.9	22.6
2352	Hats and caps, except millinery -----	-	34	28	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
236	Children's outerwear -----	-	13	9	1.2	7.1	0.9	1.6	5.2	11.9	12.4	24.0	(D)	BB	(D)
2369	Children's outerwear, n.e.c. --	-	9	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
238	Miscellaneous apparel and accessories -----	-	18	13	1.3	7.7	1.2	2.0	6.1	23.3	21.4	43.7	(D)	1.2	10.9
2381	Fabric dress and work gloves -----	-	6	6	0.6	3.7	0.6	1.1	3.3	14.9	13.8	27.8	0.1	CC	(D)
2384	Robes and dressing gowns --	E0	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2386	Leather and sheep lined clothing -----	-	3	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
239	Miscellaneous fabricated textile products -----	-	116	30	3.0	23.7	2.4	4.4	16.0	55.3	75.9	129.5	(D)	3.4	31.8
2391	Curtains and draperies -----	-	29	8	0.4	2.9	0.3	0.6	1.9	5.0	3.8	9.1	(Z)	BB	(D)
2392	House furnishings, n.e.c. ----	E2	15	7	0.3	2.4	0.2	0.4	1.5	5.5	10.2	15.5	0.2	0.5	4.2
2393	Textile bags -----	-	7	3	0.5	4.4	0.4	0.8	3.2	8.2	15.2	23.4	(D)	CC	(D)
2394	Canvas and related products -----	E1	22	4	0.7	5.6	0.5	0.9	3.2	9.7	12.9	21.3	(D)	1.0	9.9
2395	Pleating and stitching -----	-	14	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2399	Fabricated textile products, n.e.c. -----	-	15	4	0.7	4.7	0.6	1.1	3.9	19.4	19.4	38.6	(D)	0.5	4.9
24	Lumber and wood products -----	E2	733	119	8.9	73.8	7.6	14.6	55.4	161.4	198.1	357.0	11.8	9.7	112.7
2411	Logging camps and logging contractors -----	E5	82	1	0.2	1.6	0.2	0.2	1.3	3.2	5.2	8.4	(D)	0.2	2.3
242	Sawmills and planing mills ----	E2	329	32	2.7	20.2	2.4	4.5	16.2	49.4	62.9	110.9	3.9	2.5	25.4
2421	Sawmills and planing mills, general -----	E2	283	19	1.7	13.7	1.5	3.0	11.0	33.0	50.9	82.9	3.4	1.5	17.1
2426	Hardwood dimension and flooring -----	E1	26	12	0.8	5.5	0.7	1.3	4.3	14.5	9.0	23.4	0.4	0.8	7.1
2429	Special product sawmills, n.e.c. -----	-	20	1	0.2	1.0	0.2	0.2	0.9	1.9	2.9	4.7	0.1	0.2	1.2
243	Millwork, plywood, and structural members -----	E3	116	26	1.9	17.9	1.5	3.3	12.9	34.0	39.5	73.2	1.3	2.4	31.1
2431	Millwork -----	E3	43	11	0.9	7.9	0.7	1.4	5.8	15.7	23.8	39.2	0.7	1.7	24.7
2434	Wood kitchen cabinets -----	E3	52	10	0.7	7.3	0.6	1.1	5.3	12.3	9.4	21.7	0.4	0.4	2.9
2439	Structural wood members, n.e.c. -----	-	16	3	0.2	1.6	0.1	0.5	1.1	4.0	3.7	7.6	(D)	(NA)	(NA)
244	Wood containers -----	E1	74	23	1.6	11.1	1.5	2.5	8.8	26.7	22.6	49.0	1.7	1.3	11.5
2441	Nailed wood boxes and shook -----	E1	6	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2448	Wood pallets and skids -----	E1	60	19	1.0	7.0	0.9	1.5	5.6	15.8	16.5	32.4	1.3	0.6	5.5
2449	Wood containers, n.e.c. -----	-	8	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
245	Wood buildings and mobile homes -----	-	17	9	0.9	10.4	0.7	1.4	7.2	21.1	33.1	54.0	2.2	1.5	23.2
2451	Mobile homes -----	E1	8	4	0.4	3.6	0.3	0.6	2.5	6.2	13.8	20.0	0.4	0.9	12.4
2452	Prefabricated wood buildings -----	-	9	5	0.5	5.8	0.4	0.9	4.8	14.8	19.2	34.0	1.8	0.6	10.8
249	Miscellaneous wood products --	E1	115	28	1.6	12.7	1.4	2.6	9.0	27.1	34.8	61.5	(D)	1.8	19.3
2491	Wood preserving -----	-	20	6	0.3	2.4	0.2	0.4	1.5	8.3	14.4	22.4	(D)	0.4	4.3
2499	Wood products, n.e.c. -----	E2	95	22	1.4	10.3	1.2	2.1	7.5	18.7	20.5	39.1	(D)	1.5	15.0
25	Furniture and fixtures -	-	186	70	7.5	75.6	6.1	11.4	50.4	152.7	145.4	295.8	8.6	7.5	110.7
251	Household furniture -----	-	105	38	4.4	39.7	3.7	6.6	27.6	84.0	88.1	171.0	(D)	4.1	57.2
2511	Wood household furniture ---	E2	45	12	1.2	10.0	1.0	1.9	6.9	18.2	21.3	40.8	2.5	1.6	21.4
2512	Upholstered household furniture -----	-	22	8	1.5	13.1	1.2	2.1	10.0	29.5	23.8	51.7	(D)	0.9	13.0
2514	Metal household furniture ---	-	9	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2515	Mattresses and bedsprings --	-	26	10	0.7	8.1	0.6	1.2	5.2	16.1	22.9	38.7	(D)	0.8	12.5
2517	Wood TV and radio cabinets -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
252	Office furniture -----	-	13	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.8	12.9
2521	Wood office furniture -----	E2	7	2	0.2	1.6	0.2	0.3	1.4	2.8	3.4	5.9	(Z)	(NA)	(NA)
2522	Metal office furniture -----	-	6	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2531	Public building and related furniture -----	-	5	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	2.0
254	Partitions and fixtures -----	-	45	14	1.0	12.4	0.8	1.6	8.0	20.2	14.2	34.7	(D)	EE	(D)
2541	Wood partitions and fixtures --	E1	37	10	0.6	7.9	0.5	0.9	5.1	12.1	8.9	20.9	(D)	0.6	8.8
2542	Metal partitions and fixtures -	-	8	4	0.4	4.5	0.3	0.7	2.9	8.2	5.3	13.9	(D)	CC	(D)
259	Miscellaneous furniture and fixtures -----	-	28	13	1.1	12.7	0.9	1.8	8.3	25.7	19.0	44.1	(D)	EE	(D)
2599	Furniture and fixtures, n.e.c. -	-	20	13	1.1	12.4	0.9	1.7	8.1	25.0	18.4	42.8	(D)	EE	(D)

See footnotes at end of table.

Table 5. **Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—**
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B.															
SIC code	Industry	1977											1972		
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber ² (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
26	Paper and allied products -----	-	150	92	12.1	149.5	9.5	18.0	101.6	348.1	495.6	837.3	31.7	12.2	200.0
264	Miscellaneous converted paper products -----	-	71	38	5.7	70.5	4.5	8.8	48.0	181.6	259.8	439.6	22.7	5.1	89.7
2641	Paper coating and glazing ---	-	10	4	0.6	7.6	0.5	1.0	4.6	21.8	31.8	53.1	(D)	CC	(D)
2642	Envelopes -----	-	12	8	1.1	14.8	0.9	1.7	9.7	25.2	24.2	49.1	2.4	1.2	20.0
2643	Bags, except textile bags ---	-	12	10	1.1	13.4	0.9	1.9	8.5	25.8	52.9	78.2	1.8	1.0	16.4
2645	Die-cut paper and board ----	E1	11	5	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	6.3
2647	Sanitary paper products ----	-	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2648	Stationery products -----	-	7	5	1.4	15.4	1.2	2.0	11.9	27.5	40.1	67.3	(D)	1.3	16.9
2649	Converted paper products, n.e.c. -----	E5	16	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
265	Paperboard containers and boxes -----	-	74	51	6.2	76.3	4.8	8.8	51.5	159.9	228.5	383.8	8.4	6.9	106.5
2651	Folding paperboard boxes ---	-	14	9	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2652	Setup paperboard boxes ---	-	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2653	Corrugated and solid fiber boxes -----	-	48	32	2.4	32.2	1.7	3.2	19.0	62.0	117.7	178.9	3.2	2.7	38.2
2654	Sanitary food containers ----	-	4	4	2.0	22.1	1.6	2.7	16.8	49.2	54.3	102.0	2.1	2.3	38.7
2655	Fiber cans, drums, and similar products -----	-	4	4	0.5	6.5	0.4	0.8	5.0	15.1	23.0	38.2	(D)	BB	(D)
27	Printing and publishing -----	-	1 281	234	31.6	411.6	18.1	33.5	212.6	733.0	486.6	1 280.8	35.3	34.1	646.5
2711	Newspapers -----	-	314	49	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	8.2	151.6
2721	Periodicals -----	-	67	14	1.8	19.5	0.7	1.3	6.3	40.7	22.6	62.6	0.8	2.9	46.8
273	Books -----	-	52	20	3.2	36.4	2.2	4.2	22.6	79.3	44.5	122.8	5.1	1.8	31.6
2731	Book publishing -----	-	25	6	0.9	10.5	0.2	0.4	3.2	31.1	20.8	51.1	1.2	0.7	19.4
2732	Book printing -----	-	27	14	2.3	25.8	1.9	3.7	19.4	48.2	23.7	71.7	3.9	1.1	12.1
2741	Miscellaneous publishing ----	-	47	6	1.4	11.6	0.5	0.8	3.8	24.2	10.9	36.5	0.5	0.6	10.0
275	Commercial printing -----	E1	619	89	8.6	115.8	6.5	12.4	79.0	197.5	155.8	351.5	11.7	8.5	142.2
2751	Commercial printing, letterpress -----	E3	334	24	2.0	22.5	1.6	2.8	15.1	39.0	23.6	62.4	1.6	2.5	32.9
2752	Commercial printing, lithographic -----	E1	256	60	5.8	82.7	4.3	8.4	56.7	141.5	114.3	253.8	9.6	5.1	92.1
2754	Commercial printing, gravure -----	-	14	2	0.6	9.5	0.5	1.0	6.5	14.7	17.3	32.3	(D)	CC	(D)
2761	Manifold business forms ----	E1	20	10	0.9	9.2	0.6	1.2	6.2	18.9	25.1	44.0	1.7	0.9	14.1
2771	Greeting card publishing ----	-	8	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
278	Blankbooks and bookbinding --	-	38	17	2.0	20.9	1.6	3.1	14.6	39.7	17.1	56.7	1.3	EE	(D)
2782	Blankbooks and looseleaf binders -----	-	11	7	1.2	13.1	0.9	1.9	8.8	26.0	12.6	38.6	0.8	CC	(D)
2789	Bookbinding and related work -----	-	27	10	0.8	7.8	0.7	1.2	5.8	13.7	4.5	18.1	0.5	EE	(D)
279	Printing trade services -----	-	116	24	1.7	26.2	1.3	2.4	18.2	43.8	18.7	61.7	2.5	1.6	32.0
2791	Typesetting -----	E1	77	14	0.8	10.7	0.7	1.2	8.1	16.6	4.4	20.9	1.0	0.7	12.0
2795	Lithographic platemaking services -----	-	30	10	0.8	14.5	0.5	1.1	9.5	25.4	13.8	38.5	1.4	0.6	16.2
28	Chemicals and allied products -----	-	352	130	23.6	326.0	13.3	25.4	164.6	1 277.0	1 250.1	2 523.7	130.2	22.8	723.6
281	Industrial inorganic chemicals --	-	24	8	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
2813	Industrial gases -----	-	10	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
2816	Inorganic pigments -----	-	5	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2819	Industrial inorganic chemicals, n.e.c. -----	-	9	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
282	Plastics materials and synthetics -----	-	5	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.2	4.9
2821	Plastics materials and resins -	-	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
283	Drugs -----	-	48	19	5.9	73.7	2.6	4.6	28.3	275.7	183.2	455.4	18.8	4.7	176.0
2831	Biological products -----	-	7	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2833	Medicinals and botanicals ---	-	11	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
2834	Pharmaceutical preparations -	-	30	11	2.9	39.5	1.3	2.5	13.2	193.7	80.2	272.0	(D)	2.3	123.1
284	Soaps, cleaners, and toilet goods -----	-	72	27	4.7	64.7	3.2	5.8	37.3	316.7	308.2	621.0	6.9	4.7	228.2
2841	Soap and other detergents --	-	22	10	2.2	37.8	1.3	2.7	21.4	187.0	195.4	377.9	4.4	1.8	119.9
2842	Polishes and sanitation goods -----	-	37	11	1.0	13.1	0.7	1.2	7.1	67.6	77.9	146.1	1.5	EE	(D)
2844	Toilet preparations -----	-	12	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.4	70.2
2851	Paints and allied products ----	-	51	19	2.2	29.7	1.1	2.2	13.0	95.8	132.5	228.8	(D)	2.9	75.6
286	Industrial organic chemicals ---	-	39	7	2.6	38.2	1.8	3.7	25.1	153.4	163.7	317.0	(D)	EE	(D)
2861	Gum and wood chemicals ----	E1	24	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2869	Industrial organic chemicals, n.e.c. -----	-	11	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
287	Agricultural chemicals -----	-	40	18	3.1	47.2	1.6	3.3	21.3	181.4	224.3	406.4	50.3	2.1	59.1
2873	Nitrogenous fertilizers -----	-	4	3	0.8	11.8	0.5	1.0	6.6	36.3	60.8	97.6	29.2	CC	(D)
2874	Phosphatic fertilizers -----	-	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
2879	Agricultural chemicals, n.e.c. -	-	19	10	1.9	31.2	0.9	1.7	11.9	134.1	118.3	253.4	(D)	1.2	39.2

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
28	Chemicals and allied products—Con.														
289	Miscellaneous chemical products -----	-	73	29	3.2	45.5	1.8	3.4	21.2	166.2	120.8	288.1	9.3	3.2	87.6
2891	Adhesives and sealants -----	-	19	10	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2892	Explosives -----	-	6	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
2893	Printing ink -----	-	13	9	0.4	4.8	0.2	0.4	2.3	12.1	17.8	29.6	0.4	0.3	7.7
2899	Chemical preparations, n.e.c. -----	-	35	8	1.1	16.9	0.3	0.6	3.7	78.0	38.6	119.3	3.3	1.2	35.5
29	Petroleum and coal products -----	-	44	15	1.6	26.8	1.1	2.4	18.2	161.3	523.6	684.1	13.1	EE	(D)
2911	Petroleum refining -----	-	4	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
295	Paving and roofing materials ---	-	27	9	0.8	11.5	0.6	1.3	8.8	44.7	61.7	106.8	(D)	CC	(D)
2951	Paving mixtures and blocks ---	-	17	4	0.2	3.8	0.2	0.4	2.9	10.4	17.7	28.0	(D)	0.3	8.7
2952	Asphalt felts and coatings ---	-	10	5	0.6	7.7	0.4	0.9	5.9	34.3	44.0	78.8	1.5	CC	(D)
299	Miscellaneous petroleum and coal products -----	-	13	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
2992	Lubricating oils and greases -	-	12	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
30	Rubber and miscellaneous plastics products ----	-	235	103	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	9.4	153.2
3011	Tires and inner tubes -----	-	4	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3041	Rubber and plastics hose and belting -----	-	3	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3069	Fabricated rubber products, n.e.c. -----	-	20	6	0.7	6.0	0.6	1.1	4.4	11.4	35.8	47.0	0.4	BB	(D)
3079	Miscellaneous plastics products -----	-	207	93	9.6	93.6	8.0	15.6	66.8	263.2	240.1	498.7	22.5	6.8	108.9
31	Leather and leather products -----	-	128	89	21.3	149.1	19.0	32.3	120.2	308.2	266.4	575.0	4.5	FF	(D)
3111	Leather tanning and finishing --	-	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3131	Boot and shoe cut stock and findings -----	-	30	19	2.2	15.3	1.9	3.3	12.5	23.7	32.1	55.7	(D)	1.8	15.4
314	Footwear, except rubber -----	-	57	53	15.6	102.3	14.2	23.8	87.9	227.5	194.3	420.5	(D)	FF	(D)
3143	Men's footwear, except athletic -----	-	12	12	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3144	Women's footwear, except athletic -----	-	24	22	6.4	41.5	5.9	9.8	35.5	92.3	80.7	172.7	0.4	FF	(D)
3149	Footwear, except rubber, n.e.c. -----	-	21	19	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3161	Luggage -----	-	5	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
317	Handbags and other personal leather goods -----	-	18	8	2.3	21.1	1.9	3.4	13.4	36.5	20.4	59.5	(D)	FF	(D)
3171	Women's handbags and purses -----	-	12	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3172	Personal leather goods -----	-	6	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3199	Leather goods, n.e.c. -----	E1	14	4	0.2	1.8	0.2	0.3	1.1	3.2	2.8	5.9	(D)	BB	(D)
32	Stone, clay, and glass products -----	-	481	118	12.7	167.3	10.0	19.2	123.5	434.3	390.2	827.4	33.8	13.2	267.8
3211	Flat glass -----	-	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3231	Products of purchased glass ---	-	18	4	0.2	3.0	0.2	0.4	2.0	11.6	10.9	21.7	(D)	0.2	3.5
3241	Cement, hydraulic -----	-	10	7	1.3	23.2	1.0	2.0	18.2	110.9	58.2	170.6	6.3	1.2	55.9
325	Structural clay products -----	-	18	13	3.1	43.4	2.6	4.9	34.7	80.1	94.1	179.5	6.1	3.5	60.0
3251	Brick and structural clay tile -	-	6	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3255	Clay refractories -----	-	11	9	2.9	41.0	2.4	4.5	32.9	76.8	90.2	172.0	6.0	FF	(D)
326	Pottery and related products ---	-	20	4	0.3	4.1	0.3	0.5	3.2	6.8	4.0	11.0	0.3	0.3	4.2
3269	Pottery products, n.e.c. -----	-	18	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
327	Concrete, gypsum, and plaster products -----	E1	322	61	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	4.9	85.9
3271	Concrete block and brick ---	E1	35	9	0.4	4.8	0.2	0.4	2.1	10.2	13.9	24.0	0.9	0.4	6.8
3272	Concrete products, n.e.c. ---	E2	84	13	1.0	11.8	0.8	1.5	7.8	25.3	18.7	43.6	1.7	EE	(D)
3273	Ready-mixed concrete -----	E2	197	36	2.4	28.9	1.8	3.2	19.8	62.0	89.9	151.8	7.8	2.4	42.8
3274	Lime -----	-	5	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3281	Cut stone and stone products -	E1	24	6	0.4	4.5	0.3	0.6	3.1	7.3	5.1	12.5	0.7	BB	(D)
329	Miscellaneous nonmetallic mineral products -----	-	62	19	1.7	20.8	1.3	2.7	15.0	50.4	45.5	93.4	4.1	1.3	23.7
3292	Asbestos products -----	-	5	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3293	Gaskets, packing, and sealing devices -----	E1	9	5	0.2	2.4	0.1	0.3	1.2	3.8	5.9	9.6	0.1	(NA)	(NA)
3295	Minerals, ground or treated --	-	17	5	0.3	3.5	0.2	0.5	2.5	10.9	10.4	21.2	0.4	0.2	5.1
3296	Mineral wool -----	-	6	4	0.5	4.9	0.4	0.7	3.6	17.0	10.1	26.9	(D)	BB	(D)
3297	Nonclay refractories -----	-	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3299	Nonmetallic mineral products, n.e.c. -----	E2	21	1	0.2	1.5	0.1	0.2	1.1	4.0	2.5	6.5	0.9	(NA)	(NA)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
33	Primary metal industries -----	-	140	80	17.6	263.2	13.8	27.0	186.1	629.1	874.2	1 468.0	112.7	16.2	347.0
331	Blast furnace and basic steel products -----	-	18	14	6.2	111.4	4.7	9.1	76.9	210.0	259.5	467.5	(D)	5.9	138.3
3312	Blast furnaces and steel mills -----	-	6	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3315	Steel wire and related products -----	-	9	8	1.3	17.6	1.0	1.9	12.0	42.4	51.0	92.6	3.7	EE	(D)
3317	Steel pipe and tubes -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
332	Iron and steel foundries -----	-	38	26	4.0	52.1	3.3	6.6	40.0	86.3	58.9	144.0	(D)	3.4	44.1
3321	Gray iron foundries -----	-	22	14	2.0	25.4	1.7	3.3	19.5	43.9	34.9	77.5	3.1	1.6	23.0
3324	Steel investment foundries --	-	3	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3325	Steel foundries, n.e.c. -----	-	13	9	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
333	Primary nonferrous metals ----	-	7	6	3.4	53.8	2.6	4.9	36.8	227.5	336.6	533.3	(D)	EE	(D)
3332	Primary lead -----	-	4	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3334	Primary aluminum -----	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3339	Primary nonferrous metals, n.e.c. -----	-	2	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
335	Nonferrous rolling and drawing -	-	14	11	1.6	18.1	1.3	2.6	12.6	51.6	147.1	197.0	2.7	2.0	45.9
3353	Aluminum sheet, plate, and foil -----	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3354	Aluminum extruded products -	-	3	3	0.5	4.5	0.4	0.9	3.6	8.3	33.5	41.4	0.6	BB	(D)
3357	Nonferrous wire drawing and insulating -----	-	8	5	0.7	8.6	0.6	1.1	5.7	30.6	92.5	122.1	1.0	EE	(D)
336	Nonferrous foundries -----	-	45	18	2.0	22.7	1.6	3.2	16.1	43.1	40.4	83.7	2.5	2.2	33.2
3361	Aluminum foundries -----	-	28	11	1.3	14.7	1.1	2.1	10.6	27.7	27.5	55.4	1.7	1.3	18.8
3362	Brass, bronze, and copper foundries -----	-	10	4	0.3	3.1	0.2	0.4	2.1	6.3	4.9	11.1	0.4	0.3	5.7
3369	Nonferrous foundries, n.e.c. -	-	7	3	0.4	5.0	0.3	0.7	3.4	9.1	8.0	17.1	0.5	0.6	8.7
339	Miscellaneous primary metal products -----	E1	13	4	0.3	4.1	0.3	0.5	2.9	8.8	3.2	12.0	0.5	BB	(D)
3398	Metal heat treating -----	E1	9	3	0.3	2.8	0.2	0.4	2.3	6.8	2.5	9.4	0.4	AA	(D)
34	Fabricated metal products -----	-	620	240	35.1	492.7	25.8	49.7	316.8	979.3	955.8	1 929.4	45.2	37.2	608.2
341	Metal cans and shipping containers -----	-	12	11	2.7	49.0	2.3	4.9	41.1	148.7	277.7	421.0	(D)	3.4	97.1
3411	Metal cans -----	-	9	9	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
342	Cutlery, hand tools, and hardware -----	E1	45	20	2.0	26.8	1.4	2.9	15.8	58.5	31.9	89.9	1.9	2.2	32.6
3423	Hand and edge tools, n.e.c. -	E2	24	13	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3425	Hand saws and saw blades -----	-	3	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3429	Hardware, n.e.c. -----	-	16	5	0.9	12.2	0.7	1.4	7.6	26.3	16.3	42.8	0.7	1.3	19.5
343	Plumbing and heating, except electric -----	E1	22	5	0.5	5.3	0.4	0.7	3.5	11.0	11.1	22.0	0.7	0.6	10.1
3432	Plumbing fittings and brass goods -----	E1	6	1	0.3	2.9	0.3	0.4	2.0	5.7	4.9	10.5	0.4	BB	(D)
3433	Heating equipment, except electric -----	E2	15	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
344	Fabricated structural metal products -----	-	248	93	12.7	172.1	9.5	18.4	114.4	353.2	405.5	760.3	14.7	10.1	178.9
3441	Fabricated structural metal --	-	52	23	2.3	33.4	1.6	3.3	19.0	68.4	76.9	144.9	1.7	2.3	41.6
3442	Metal doors, sash, and trim --	-	39	18	1.5	14.3	1.2	2.2	9.2	32.0	42.3	73.0	1.4	1.3	17.3
3443	Fabricated plate work (boiler shops) -----	-	45	22	4.8	70.3	3.9	7.4	52.5	118.1	133.4	254.5	6.6	3.4	69.3
3444	Sheet metal work -----	-	67	19	2.4	31.2	1.7	3.3	19.9	90.7	92.7	181.3	3.7	1.6	30.2
3446	Architectural metal work ----	E1	26	2	0.2	2.6	0.1	0.3	1.7	5.1	2.9	7.9	0.1	AA	(D)
3448	Prefabricated metal buildings -----	-	11	4	0.9	11.7	0.7	1.2	7.6	23.3	39.3	62.7	0.7	CC	(D)
3449	Miscellaneous metal work ---	-	8	5	0.6	8.5	0.4	0.7	4.4	15.8	18.1	36.1	0.5	CC	(D)
345	Screw machine products, bolts, etc. -----	-	43	22	1.2	15.3	0.9	1.8	10.1	27.0	18.6	45.8	1.0	EE	(D)
3451	Screw machine products ----	-	33	17	1.0	12.7	0.7	1.5	8.5	21.4	13.6	35.3	0.5	CC	(D)
3452	Bolts, nuts, rivets, and washers -----	E2	10	5	0.2	2.6	0.2	0.3	1.6	5.6	5.0	10.5	0.5	AA	(D)
346	Metal forgings and stampings --	E1	47	26	2.2	27.5	1.8	3.4	19.6	48.5	55.5	104.5	5.0	2.2	34.3
3465	Automotive stampings -----	E5	3	3	0.2	3.2	0.2	0.4	2.3	6.1	8.4	14.4	(D)	AA	(D)
3469	Metal stampings, n.e.c. -----	-	40	20	1.9	22.9	1.5	2.9	16.4	39.1	42.8	82.4	(D)	1.9	29.6
347	Metal services, n.e.c. -----	E1	90	19	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.1	29.3
3471	Plating and polishing -----	E1	60	10	0.9	10.4	0.7	1.4	6.6	16.7	6.3	22.8	5.1	1.3	16.4
3479	Metal coating and allied services -----	-	30	9	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.8	12.9
348	Ordnance and accessories, n.e.c. -----	-	6	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3482	Small arms ammunition -----	-	2	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3483	Ammunition, except for small arms, n.e.c. -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3489	Ordnance and accessories, n.e.c. -----	-	1	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)

See footnotes at end of table.

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
34	Fabricated metal products—Con.														
349	Miscellaneous fabricated metal products-----	E1	107	41	5.1	63.9	3.9	7.6	43.0	137.6	123.9	259.8	8.6	5.0	65.9
3494	Valves and pipe fittings-----	-	10	8	1.9	25.0	1.4	2.7	16.4	66.2	44.7	110.1	1.5	2.2	28.7
3495	Wire springs-----	E3	4	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.7	8.1
3496	Miscellaneous fabricated wire products-----	-	19	9	0.9	10.0	0.7	1.4	6.5	17.2	17.4	34.3	1.6	0.9	13.0
3497	Metal foil and leaf-----	-	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3498	Fabricated pipe and fittings--	-	6	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3499	Fabricated metal products, n.e.c.-----	E2	65	15	1.0	13.0	0.7	1.4	7.4	21.8	15.9	37.7	1.8	0.9	12.0
35	Machinery, except electrical-----	-	893	223	32.1	438.7	22.8	44.3	278.0	905.8	694.3	1 580.0	46.7	30.6	561.8
351	Engines and turbines-----	-	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3519	Internal combustion engines, n.e.c.-----	-	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
352	Farm and garden machinery---	-	56	17	2.8	38.2	2.1	3.8	26.9	146.3	148.2	291.5	9.2	FF	(D)
3523	Farm machinery and equipment-----	-	49	10	2.4	34.2	1.8	3.3	24.8	137.1	130.3	264.1	8.7	2.0	59.1
3524	Lawn and garden equipment--	-	7	7	0.4	4.0	0.2	0.4	2.1	9.2	17.9	27.4	0.5	CC	(D)
353	Construction and related machinery-----	-	58	26	2.9	43.7	1.8	3.5	21.3	90.2	84.6	174.8	3.0	2.8	56.7
3531	Construction machinery-----	-	15	9	1.2	17.8	0.8	1.6	10.3	31.3	41.4	74.2	1.3	1.4	29.2
3532	Mining machinery-----	-	10	6	0.5	7.5	0.3	0.6	3.6	25.9	14.9	39.3	0.9	(NA)	(NA)
3534	Elevators and moving stairways-----	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3535	Conveyors and conveying equipment-----	-	17	7	0.8	12.4	0.5	0.9	4.8	21.6	22.1	44.2	0.6	CC	(D)
354	Metalworking machinery-----	-	189	46	4.7	64.7	3.3	6.5	40.6	118.6	70.1	187.1	7.4	4.3	84.3
3542	Machine tools, metal forming types-----	E2	12	6	0.3	3.3	0.2	0.4	2.1	5.3	3.3	8.4	0.1	0.2	1.8
3544	Special dies, tools, jigs, and fixtures-----	-	143	27	1.9	27.6	1.6	3.0	20.3	49.2	23.0	71.3	3.6	1.7	29.2
3545	Machine tool accessories---	-	15	7	1.1	17.7	0.7	1.3	9.5	41.1	12.2	52.7	(D)	CC	(D)
3546	Power driven hand tools-----	-	8	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3549	Metalworking machinery, n.e.c.-----	-	7	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
355	Special industry machinery----	-	73	20	1.9	28.9	1.3	2.6	16.7	60.6	39.1	101.1	2.2	1.4	26.7
3551	Food products machinery----	-	20	7	0.8	13.8	0.5	1.1	8.3	29.6	18.9	50.5	(D)	0.6	12.1
3554	Paper industries machinery----	-	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3555	Printing trades machinery----	-	21	5	0.6	7.5	0.4	0.7	3.7	14.9	10.0	24.3	0.8	0.4	9.4
3559	Special industry machinery, n.e.c.-----	E2	23	4	0.3	3.3	0.2	0.3	1.9	8.1	4.6	12.5	0.2	(NA)	(NA)
356	General industrial machinery---	-	84	29	3.2	41.9	2.3	4.4	26.6	84.0	59.6	139.3	8.7	3.2	43.4
3561	Pumps and pumping equipment-----	-	7	5	0.9	13.3	0.7	1.2	8.8	26.2	21.4	44.3	(D)	EE	(D)
3562	Ball and roller bearings-----	-	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3563	Air and gas compressors-----	-	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3564	Blowers and fans-----	E1	10	3	0.3	3.7	0.2	0.5	2.3	8.7	6.7	15.2	0.3	AA	(D)
3565	Industrial patterns-----	-	21	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3566	Speed changers, drives, and gears-----	E1	12	7	0.3	4.7	0.3	0.5	2.8	10.5	5.8	16.1	1.0	0.4	7.9
3567	Industrial furnaces and ovens-----	-	8	2	0.4	4.6	0.2	0.4	1.8	9.7	3.7	13.2	0.3	BB	(D)
3569	General industrial machinery, n.e.c.-----	E1	19	4	0.4	4.5	0.2	0.4	2.2	7.5	6.6	13.9	0.5	0.3	3.9
357	Office and computing machines-----	-	14	5	0.6	7.0	0.4	0.7	2.9	15.7	10.3	25.1	0.7	BB	(D)
3573	Electronic computing equipment-----	-	9	4	0.5	5.6	0.3	0.5	2.3	11.7	4.6	16.3	0.7	BB	(D)
358	Refrigeration and service machinery-----	-	56	27	7.9	100.8	5.2	10.6	60.1	204.2	187.6	381.7	5.9	8.8	162.7
3581	Automatic merchandising machines-----	-	6	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3585	Refrigeration and heating equipment-----	-	21	13	4.3	50.3	2.8	5.7	30.1	90.4	109.4	193.9	3.1	5.6	79.4
3586	Measuring and dispensing pumps-----	-	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3589	Service industry machinery, n.e.c.-----	E2	23	9	0.7	7.5	0.4	0.8	4.3	19.8	14.1	33.6	0.2	0.6	6.9
359	Miscellaneous machinery, except electrical-----	E1	360	51	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	6.8	107.2
3592	Carburetors, pistons, rings, and valves-----	-	7	6	4.4	65.8	3.4	6.3	48.0	88.7	48.0	136.3	3.5	FF	(D)
3599	Machinery, except electrical, n.e.c.-----	E2	353	45	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
36	Electric and electronic equipment--	-	242	110	37.1	423.4	28.5	53.6	274.0	982.2	899.8	1 880.5	55.6	33.8	568.1
361	Electric distributing equipment--	-	20	13	5.4	59.8	4.3	7.4	36.8	148.7	103.2	251.0	5.5	FF	(D)
3612	Transformers-----	-	7	5	1.4	16.8	1.0	1.9	10.2	45.5	50.6	94.7	(D)	EE	(D)
3613	Switchgear and switchboard apparatus-----	-	13	8	3.9	43.0	3.3	5.6	26.5	103.2	52.6	156.4	(D)	FF	(D)

See footnotes at end of table.

Table 5. **Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—**
Con.

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

Includes industry groups and industries with 100 employees or more. For expansion of items, see Appendix A.															
SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
36	Electric and electronic equipment—Con.														
362	Electrical industrial apparatus ---	-	35	17	6.0	56.9	5.2	10.2	44.4	143.6	115.6	259.5	7.2	3.9	50.5
3621	Motors and generators -----	-	16	14	5.5	51.1	4.8	9.5	41.2	131.1	105.9	237.4	6.6	3.4	42.5
3623	Welding apparatus, electric ---	-	6	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.3	5.1
363	Household appliances -----	-	20	13	3.4	26.3	2.9	5.6	20.7	97.3	87.8	193.2	3.2	3.9	51.2
3631	Household cooking equipment -----	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3634	Electric housewares and fans -----	-	16	12	3.2	24.1	2.7	5.2	19.3	93.3	78.2	179.2	2.7	FF	(D)
364	Electric lighting and wiring equipment -----	-	45	21	5.4	62.7	4.1	7.5	39.5	176.7	117.8	291.3	7.0	5.2	109.6
3641	Electric lamps -----	-	4	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3643	Current-carrying wiring devices -----	-	16	8	1.9	21.7	1.4	2.5	13.0	65.4	36.1	100.7	3.5	EE	(D)
3644	Noncurrent-carrying wiring devices -----	-	3	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3645	Residential lighting fixtures ---	-	8	2	0.3	2.8	0.2	0.4	1.8	7.0	4.4	11.4	0.1	0.4	5.3
3646	Commercial lighting fixtures ---	-	6	4	0.4	3.3	0.3	0.5	2.3	7.5	8.8	16.2	0.1	CC	(D)
3647	Vehicular lighting equipment ---	-	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3648	Lighting equipment, n.e.c. ---	-	5	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
365	Radio and TV receiving equipment -----	-	14	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3651	Radio and TV receiving sets ---	-	8	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
366	Communication equipment ----	-	27	10	4.3	64.6	1.8	3.5	19.9	121.2	94.5	217.9	5.6	8.0	177.9
3662	Radio and TV communication equipment ---	-	26	10	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
367	Electronic components and accessories -----	-	41	12	6.7	96.2	5.4	10.2	67.5	183.6	125.9	300.0	(D)	1.7	19.0
3674	Semiconductors and related devices -----	-	4	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3677	Electronic coils and transformers -----	-	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3679	Electronic components, n.e.c. -----	-	33	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.1	13.6
369	Miscellaneous electrical equipment and supplies -----	-	40	21	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3691	Storage batteries -----	-	8	5	0.6	7.3	0.5	1.0	5.5	14.3	28.9	42.5	1.9	CC	(D)
3692	Primary batteries, dry and wet -----	-	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)
3694	Engine electrical equipment ---	-	15	9	0.9	7.7	0.7	1.3	5.1	19.1	21.7	39.5	(D)	0.7	11.2
3699	Electrical equipment and supplies, n.e.c. -----	-	13	5	0.6	5.6	0.4	0.9	3.6	12.7	6.2	18.8	0.2	CC	(D)
37	Transportation equipment -----	-	194	74	70.7	1 264.1	51.3	105.9	853.2	3 506.2	7 676.4	11 189.8	97.0	69.4	2 020.1
371	Motor vehicles and equipment ---	-	101	50	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3711	Motor vehicles and car bodies -----	-	12	7	31.0	645.4	27.3	59.3	543.7	2 190.1	5 867.6	8 012.5	(D)	FF	(D)
3713	Truck and bus bodies -----	-	28	13	1.4	15.4	1.0	1.9	9.9	37.6	46.9	83.2	1.0	(NA)	(NA)
3714	Motor vehicle parts and accessories -----	-	54	27	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	6.0	112.7
3715	Truck trailers -----	-	9	3	0.6	6.1	0.4	0.6	3.6	11.2	15.0	23.6	0.3	BB	(D)
372	Aircraft and parts -----	-	13	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3721	Aircraft -----	-	2	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
3724	Aircraft engines and engine parts -----	-	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
3728	Aircraft equipment, n.e.c. -----	-	9	5	0.5	6.2	0.4	0.7	4.6	9.3	5.3	15.0	0.1	0.4	6.1
373	Ship and boat building and repairing -----	-	39	8	1.8	22.7	1.5	3.0	16.2	39.7	33.9	73.9	(D)	2.3	25.9
3731	Ship building and repairing ---	-	5	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)
3732	Boat building and repairing ---	E1	34	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3743	Railroad equipment -----	-	5	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
376	Guided missiles, space vehicles, parts -----	-	2	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)
379	Miscellaneous transportation equipment -----	E2	31	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.7	7.3
3792	Travel trailers and campers ---	E2	25	5	0.4	2.7	0.3	0.5	1.8	5.1	10.0	14.9	0.2	0.6	6.1
38	Instruments and related products -----	-	108	42	4.8	51.5	3.4	6.4	30.2	106.5	72.9	178.0	9.5	FF	(D)
3811	Engineering and scientific instruments -----	E1	6	3	0.3	3.3	0.2	0.4	1.7	8.5	4.5	12.5	(D)	(NA)	(NA)
382	Measuring and controlling devices -----	-	19	7	1.3	15.3	0.9	1.7	9.2	33.3	19.5	51.7	2.1	1.5	40.3
3822	Environmental controls -----	-	3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)
3829	Measuring and controlling devices, n.e.c. -----	-	5	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)

See footnotes at end of table.

**Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—
Con.**

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
38	Instruments and related products— Con.														
384	Medical instruments and supplies -----	-	51	22	2.2	23.9	1.6	2.9	13.6	45.8	35.0	81.7	6.1	1.8	18.8
3841	Surgical and medical instruments -----	-	15	8	1.2	14.1	0.8	1.6	7.8	25.8	19.1	45.7	(D)	CC	(D)
3842	Surgical appliances and supplies -----	-	24	9	0.8	7.7	0.6	1.1	4.8	15.3	14.6	30.0	0.6	CC	(D)
3843	Dental equipment and supplies -----	-	12	5	0.2	2.0	0.1	0.2	1.0	4.7	1.3	6.0	(D)	(NA)	(NA)
3851	Ophthalmic goods -----	-	12	5	0.7	4.9	0.6	1.1	3.5	8.5	6.6	14.7	0.4	BB	(D)
3861	Photographic equipment and supplies -----	E4	12	3	0.2	2.3	0.1	0.2	1.3	6.8	4.4	10.9	0.3	AA	(D)
39	Miscellaneous manufacturing industries -----	-	293	76	6.6	57.5	5.3	9.8	37.5	124.9	113.2	237.7	(D)	7.7	100.6
394	Toys and sporting goods -----	-	65	24	2.1	14.4	1.7	3.1	10.1	39.7	40.3	79.3	(D)	2.4	30.4
3942	Dolls -----	-	5	3	0.2	1.4	0.2	0.3	0.9	4.9	6.3	11.0	0.1	BB	(D)
3944	Games, toys, and children's vehicles -----	-	10	4	0.3	2.1	0.2	0.5	1.4	6.2	5.2	11.2	(D)	CC	(D)
3949	Sporting and athletic goods, n.e.c. -----	-	50	17	1.5	10.9	1.3	2.3	7.7	28.7	28.9	57.1	(D)	1.5	17.5
395	Pens, pencils, office and art supplies -----	-	17	7	0.9	7.8	0.7	1.5	4.9	13.7	12.3	26.8	(D)	1.1	14.0
3951	Pens and mechanical pencils -----	-	4	4	0.7	5.6	0.6	1.2	3.7	9.9	9.2	19.5	(D)	CC	(D)
3953	Marking devices -----	-	9	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.4	6.0
396	Costume jewelry and notions --	-	11	3	0.3	2.3	0.2	0.4	1.4	4.5	7.0	11.1	(D)	BB	(D)
3962	Artificial flowers -----	-	5	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)
399	Miscellaneous manufactures ---	E1	178	40	3.2	31.2	2.5	4.6	20.4	63.7	50.2	114.3	(D)	3.7	48.4
3993	Signs and advertising displays -----	E1	76	19	1.4	16.0	1.1	2.0	10.0	24.2	19.5	44.4	(D)	1.7	22.5
3995	Burial caskets -----	-	14	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	5.6
3999	Manufacturing industries, n.e.c. -----	E2	80	12	1.1	10.0	0.9	1.7	6.9	24.6	15.4	39.8	(D)	1.4	19.9
-	Administrative and auxiliary -----	-	233	127	28.9	489.7	-	-	-	-	-	-	-	(NA)	(NA)

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B). - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Statistics for some industry groups and industries are withheld to avoid disclosing figures for individual companies. However, for such industry groups and industries with 150 employees or more, number of establishments is shown and employment size range is indicated by one of the following symbols: AA—150 to 249 employees; BB—250 to 499 employees; CC—500 to 999 employees; EE—1,000 to 2,499 employees; FF—2,500 employees or more. Statistics for industry groups shown include data for all component industries, regardless of whether data are shown for individual industries in the group.

³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977											1972		
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital ex- pend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
27	Columbia SMSA -----	-	71	21	3.1	35.4	1.9	3.6	17.7	77.2	66.2	142.4	4.2	2.1	40.5
	Printing and publishing -----	E1	23	5	0.4	4.3	0.3	0.5	2.6	8.7	4.1	12.7	(D)	0.3	3.4

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Includes industry groups and industries not included in SMSA's, see appendix A. For explanation of terms, see appendix B)															
SIC code	SMSA and industry	1977											1972		
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Kansas City, Mo.-Kans., SMSA -----	-	2 054	702	117.8	1 734.0	77.6	154.1	1 027.4	4 119.9	7 618.8	11 765.4	328.0	118.8	2 902.4
20	Food and kindred products --	-	127	69	9.2	131.5	5.9	11.8	76.2	445.6	1 041.8	1 487.8	30.8	10.1	261.4
201	Meat products -----	-	22	11	1.3	21.6	1.0	1.9	14.9	48.4	183.8	232.1	(D)	1.5	20.5
2011	Meat packing plants ----	E2	11	4	0.3	4.1	0.2	0.4	2.7	7.9	43.5	51.2	0.7	0.9	13.4
202	Dairy products -----	-	10	4	0.5	8.9	0.4	0.8	5.2	14.8	41.9	56.3	(D)	0.8	19.2
204	Grain mill products -----	-	24	18	2.3	34.1	1.6	3.3	22.0	132.1	344.7	478.6	(D)	2.4	64.3
2041	Flour and other grain mill products -----	-	8	8	0.9	14.1	0.6	1.4	8.6	69.5	182.7	252.2	1.3	0.9	32.1
2048	Prepared feeds, n.e.c. --	-	12	7	0.6	7.8	0.3	0.7	4.3	28.1	104.6	131.9	1.8	0.6	13.1
205	Bakery products -----	-	16	9	2.3	32.1	1.5	2.8	19.2	73.0	54.7	127.9	(D)	2.2	49.1
206	Beverages -----	-	13	7	0.9	11.6	0.3	0.7	2.7	42.1	49.9	91.6	(D)	1.4	34.9
209	Miscellaneous foods and kindred products-----	-	26	13	1.3	16.0	0.7	1.5	7.2	88.3	251.0	338.5	(D)	1.3	46.1
23	Apparel and other textile products -----	-	89	38	6.0	54.4	4.1	8.5	29.0	138.9	246.9	384.0	3.6	5.7	95.2
233	Women's and misses' outerwear -----	-	28	18	2.8	23.7	2.4	3.9	17.5	39.3	28.5	67.8	(D)	3.0	33.7
2337	Women's and misses' suits and coats -----	-	14	11	1.7	15.6	1.5	2.1	10.7	27.1	21.4	48.5	0.2	1.6	16.9
2395	Pleating and stitching ----	-	5	3	0.4	3.5	0.3	0.5	2.0	13.9	32.1	45.5	(D)	(NA)	(NA)
24	Lumber and wood products--	E3	88	21	1.1	11.2	1.0	1.9	8.2	26.5	30.2	56.1	1.7	1.0	16.2
243	Millwork, plywood, and structural members-----	E5	46	11	0.7	7.0	0.6	1.1	5.2	14.2	14.1	28.2	0.8	0.5	9.5
25	Furniture and fixtures -----	-	53	16	1.3	14.8	1.0	2.0	8.7	31.5	29.5	60.6	0.4	1.5	24.7
251	Household furniture -----	-	24	5	0.5	6.0	0.5	0.9	3.1	13.3	15.1	28.3	0.1	0.7	12.4
2515	Mattresses and bedsprings -----	-	10	4	0.5	5.4	0.4	0.7	2.6	11.9	14.1	25.9	0.1	0.5	10.0
254	Partitions and fixtures -----	E1	16	5	0.3	3.3	0.2	0.5	2.4	5.2	4.4	9.5	0.1	(NA)	(NA)
26	Paper and allied products ---	-	50	42	4.6	59.0	3.6	7.2	40.7	114.0	179.6	296.3	8.8	4.8	73.7
2642	Envelopes -----	-	8	5	0.6	8.6	0.5	1.1	6.2	14.8	13.8	28.5	(D)	0.8	11.9
2643	Bags, except textile bags -----	E1	7	5	0.6	6.5	0.5	1.0	4.5	14.2	27.8	41.9	0.8	0.5	6.7
265	Paperboard containers and boxes-----	-	27	21	2.6	33.9	2.0	3.9	23.4	60.9	110.9	173.9	5.3	2.9	45.1
2653	Corrugated and solid fiber boxes -----	-	15	12	1.0	13.6	0.7	1.4	8.5	25.4	49.5	74.4	1.6	1.2	18.0
2654	Sanitary food containers -----	-	4	4	1.0	13.5	0.8	1.6	10.2	22.4	42.7	66.1	(D)	1.1	19.0
27	Printing and publishing -----	-	421	87	13.8	186.2	6.8	12.7	80.8	314.9	228.8	606.4	14.9	16.3	332.6
2711	Newspapers -----	-	53	8	2.3	27.0	1.1	1.6	11.9	59.0	30.4	89.5	1.6	2.4	43.5
273	Books -----	E1	21	10	1.0	8.4	0.8	1.4	5.9	17.4	8.2	25.7	0.8	0.8	12.1
2732	Book printing -----	E1	15	8	0.9	7.9	0.7	1.3	5.8	15.0	7.4	22.5	0.7	0.6	7.8
2741	Miscellaneous publishing -----	-	21	5	1.0	10.0	0.4	0.8	5.2	31.8	6.6	37.4	0.2	0.6	8.8
275	Commercial printing -----	E1	217	37	3.1	41.4	2.1	4.3	26.2	69.1	49.9	119.0	5.1	2.8	46.6
2751	Commercial printing, letterpress -----	E3	115	10	0.8	9.6	0.6	1.1	6.1	17.3	10.3	27.6	1.0	(NA)	(NA)
2752	Commercial printing, lithographic -----	-	91	26	2.2	31.0	1.4	3.0	19.5	50.7	38.7	89.4	4.1	1.6	31.2
28	Chemicals and allied products -----	-	111	46	7.3	114.7	3.8	7.6	49.9	465.5	498.7	962.1	33.5	6.2	307.1
283	Drugs -----	-	23	10	1.8	29.1	0.8	1.6	7.5	102.4	35.9	133.9	7.4	1.3	53.7
2834	Pharmaceutical preparations -----	-	14	5	1.4	24.8	0.5	1.1	5.2	84.1	29.9	109.4	5.4	(NA)	(NA)
284	Soaps, cleaners, and toilet goods -----	-	28	10	1.7	30.6	1.1	2.3	19.0	190.5	233.2	424.2	(D)	1.9	169.1
2851	Paints and allied products -----	-	15	6	1.1	14.7	0.5	1.0	6.3	29.6	62.8	93.8	0.8	1.2	24.9
289	Miscellaneous chemical products -----	-	25	11	0.8	9.8	0.5	0.9	5.1	24.0	39.4	65.7	1.2	0.7	21.2
2893	Printing ink -----	E1	8	6	0.3	3.4	0.2	0.3	1.7	7.5	9.1	16.2	0.3	(NA)	(NA)
2899	Chemical preparations, n.e.c. -----	-	10	3	0.3	3.6	0.1	0.3	1.9	10.2	21.6	34.6	0.6	0.4	14.6
295	Paving and roofing materials -----	-	10	3	0.3	4.8	0.3	0.5	3.8	18.3	26.2	44.6	0.7	(NA)	(NA)
2952	Asphalt felts and coatings -----	-	5	3	0.3	4.3	0.2	0.5	3.5	17.6	21.4	39.1	(D)	0.3	7.9
299	Miscellaneous petroleum and coal products -----	-	7	4	0.3	3.9	0.2	0.3	1.9	12.0	29.7	41.5	0.5	(NA)	(NA)
2992	Lubricating oils and greases -----	-	7	4	0.3	3.9	0.2	0.3	1.9	12.0	29.7	41.5	0.5	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	-	93	43	3.7	35.4	3.2	6.2	26.2	75.2	75.5	150.1	9.5	(NA)	(NA)
3079	Miscellaneous plastics products -----	-	83	42	3.6	34.7	3.1	6.1	25.7	73.9	74.5	147.8	(D)	(NA)	(NA)
32	Stone, clay, and glass products -----	-	103	40	4.6	68.5	3.7	7.1	52.3	216.9	142.0	356.4	23.7	4.4	117.9
327	Concrete, gypsum, and plaster products -----	E1	66	25	1.3	17.4	0.9	1.7	11.1	37.3	42.5	79.6	5.0	1.2	26.0
3272	Concrete products, n.e.c. -----	E1	28	10	0.5	6.9	0.4	0.8	4.4	15.7	10.5	26.1	1.1	0.4	7.8
3273	Ready-mixed concrete --	E2	31	14	0.7	9.3	0.5	0.9	6.3	18.3	29.0	47.3	3.8	0.7	15.6
33	Primary metal industries ----	-	41	20	5.6	101.2	4.3	8.1	70.1	181.9	204.3	384.8	(D)	5.9	133.4
332	Iron and steel foundries -----	-	8	6	0.6	7.6	0.5	0.9	5.6	18.4	15.6	34.2	0.6	0.4	7.2

See footnotes at end of table.

Table 6. **Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.**

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Kansas City, Mo.-Kans., SMSA—Con.														
34	Fabricated metal products ---	-	197	71	13.0	190.2	8.3	15.5	102.6	348.3	199.7	545.9	11.5	15.4	242.3
344	Fabricated structural metal products -----	-	76	32	3.3	45.6	2.2	4.3	25.0	114.9	119.2	232.9	2.6	2.9	57.8
3441	Fabricated structural metal -----	-	19	11	1.0	14.9	0.7	1.5	7.8	31.9	31.0	60.4	0.6	1.0	21.3
3442	Metal doors, sash, and trim -----	-	11	5	0.3	3.1	0.2	0.4	1.6	5.3	6.6	11.9	0.3	(NA)	(NA)
3443	Fabricated plate work (boiler shops) -----	-	13	7	0.6	9.4	0.4	0.8	5.0	23.0	23.3	49.3	0.7	0.5	7.5
3444	Sheet metal work -----	-	18	5	1.0	13.9	0.7	1.3	8.7	47.4	48.1	93.8	1.0	0.7	18.1
346	Metal forgings and stampings -----	E1	14	10	0.4	4.6	0.3	0.5	3.1	8.8	10.6	19.3	0.6	(NA)	(NA)
3469	Metal stampings, n.e.c. ---	E1	10	7	0.3	3.2	0.2	0.3	2.2	5.3	4.7	10.0	(D)	(NA)	(NA)
347	Metal services, n.e.c. ---	E1	36	8	0.5	5.4	0.4	0.7	3.6	11.1	4.8	15.7	(D)	0.4	6.7
3471	Plating and polishing ---	E1	25	6	0.3	3.4	0.2	0.5	2.2	6.1	2.6	8.7	(D)	0.3	4.9
349	Miscellaneous fabricated metal products -----	E1	34	9	0.6	7.6	0.5	1.0	4.6	15.1	13.0	27.9	1.4	0.5	11.9
3499	Fabricated metal products, n.e.c. -----	E1	20	5	0.3	3.5	0.2	0.5	2.1	6.7	5.6	12.2	0.4	(NA)	(NA)
35	Machinery, except electrical -	-	274	65	8.6	126.9	6.0	11.3	74.7	298.7	280.8	576.6	14.9	8.0	190.9
3531	Construction machinery -	-	9	7	1.1	17.0	0.7	1.4	9.1	30.3	42.9	74.3	1.9	1.1	22.7
355	Special industry machinery -----	-	32	11	0.6	7.9	0.4	0.8	4.6	16.0	11.1	27.4	0.5	0.5	10.0
3551	Food products machinery -----	-	9	6	0.3	3.5	0.2	0.4	2.2	7.1	5.6	12.4	0.1	0.3	4.6
356	General industrial machinery -----	-	24	4	0.8	11.4	0.5	1.0	6.6	25.8	19.2	44.9	1.2	(NA)	(NA)
358	Refrigeration and service machinery -----	-	19	8	1.1	15.1	0.7	1.3	8.6	24.8	27.2	50.7	0.4	0.8	34.9
3585	Refrigeration and heating equipment ----	-	4	2	0.5	5.6	0.3	0.6	3.5	9.5	12.8	21.0	(D)	(NA)	(NA)
359	Miscellaneous machinery, except electrical -----	E3	91	14	1.2	14.9	1.0	1.8	10.6	26.5	12.7	38.8	1.7	0.8	11.1
3599	Machinery, except electrical, n.e.c. -----	E3	91	14	1.2	14.9	1.0	1.8	10.6	26.5	12.7	38.8	1.7	(NA)	(NA)
36	Electric and electronic equipment -----	-	102	40	11.9	158.0	9.0	17.7	105.9	330.3	271.7	591.3	26.3	11.8	227.6
364	Electric lighting and wiring equipment -----	-	11	5	0.9	7.9	0.7	1.3	5.2	17.1	17.0	33.7	0.8	1.0	13.3
365	Radio and TV receiving equipment -----	-	8	3	0.4	3.9	0.3	0.6	2.9	7.0	13.6	20.4	0.3	(NA)	(NA)
366	Communication equipment -----	-	15	6	3.0	33.2	2.0	4.1	17.4	72.0	34.6	104.0	(D)	(NA)	(NA)
369	Miscellaneous electrical equipment and supplies --	-	22	14	1.9	25.7	1.6	3.2	19.9	63.4	71.2	134.3	5.3	1.4	27.9
3691	Storage batteries -----	-	5	4	0.9	16.9	0.7	1.6	14.2	44.9	49.5	95.3	(D)	0.7	16.0
3694	Engine electrical equipment -----	-	12	7	0.8	6.8	0.7	1.2	4.4	16.1	19.1	34.0	(D)	0.6	10.8
38	Instruments and related products -----	E1	34	15	1.9	19.4	1.3	2.5	11.1	37.9	27.2	64.2	1.6	1.1	14.3
384	Medical instruments and supplies -----	-	11	4	0.5	6.1	0.3	0.6	3.2	9.6	8.3	18.3	0.4	(NA)	(NA)
39	Miscellaneous manufacturing industries ---	E2	86	20	1.2	10.8	0.9	1.7	7.1	24.4	18.2	42.0	0.9	1.3	15.0
394	Toys and sporting goods --	E2	20	6	0.3	2.5	0.3	0.5	1.8	6.4	7.3	13.3	0.3	0.4	3.8
399	Miscellaneous manufactures -----	E1	53	11	0.7	6.5	0.5	0.9	4.1	15.0	8.7	23.4	0.5	0.7	9.3
3993	Signs and advertising displays -----	E3	23	6	0.3	3.5	0.2	0.4	2.1	6.2	3.5	9.6	0.1	0.3	4.2
3999	Manufacturing industries, n.e.c. -----	E1	23	4	0.3	2.3	0.2	0.4	1.6	7.0	3.4	10.4	0.3	(NA)	(NA)
--	Administrative and auxiliary --	-	92	45	6.6	98.3	-	-	-	-	-	-	-	(NA)	(NA)
	St. Joseph SMSA -----	-	115	53	9.3	109.9	7.0	13.5	74.9	327.6	697.0	1 015.6	27.4	9.4	178.5
20	Food and kindred products --	-	26	17	2.9	40.9	2.1	4.5	28.2	168.8	499.6	660.9	8.1	3.8	98.5
201	Meat products -----	-	6	4	1.0	16.1	0.7	1.6	12.6	28.3	204.0	230.8	(D)	1.7	30.9
204	Grain mill products -----	-	8	6	1.3	17.3	1.0	2.1	11.9	113.8	141.6	256.1	5.5	1.1	46.1
265	Paperboard containers and boxes -----	-	3	3	0.3	3.5	0.2	0.4	2.1	8.9	13.9	22.5	(D)	(NA)	(NA)
27	Printing and publishing -----	E1	20	1	0.4	3.5	0.1	0.2	1.2	7.2	2.3	9.5	0.1	0.4	5.2
28	Chemicals and allied products -----	-	14	8	0.9	11.4	0.5	1.1	5.4	30.9	45.1	76.7	(D)	0.7	15.6
287	Agricultural chemicals ----	-	6	4	0.3	3.5	0.2	0.4	2.4	15.0	21.2	37.1	(D)	(NA)	(NA)
34	Fabricated metal products ---	-	9	5	0.6	7.0	0.5	0.9	5.8	29.4	32.2	60.6	0.5	0.4	16.5
35	Machinery, except electrical -	-	7	3	0.3	3.2	0.2	0.4	1.7	4.2	3.1	7.1	0.2	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code		SMSA and industry	1977											1972		
			E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
				Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
		St. Louis, Mo.-Ill., SMSA -----	-	3 358	1 231	248.7	3 761.1	162.8	318.2	2 183.4	8 342.0	13 910.5	22 232.8	464.9	256.4	5 190.0
20	Food and kindred products --	-	233	100	16.9	259.8	11.5	23.0	170.7	680.0	1 436.5	2 114.2	38.7	18.2	570.7	
201	Meat products -----	-	44	13	2.6	39.1	2.1	4.5	29.1	58.9	393.2	450.2	2.8	2.7	55.3	
2011	Meat packing plants -----	-	28	9	1.5	23.0	1.2	2.2	18.5	32.1	273.7	303.9	(D)	2.4	50.5	
202	Dairy products -----	E1	25	16	1.5	19.8	0.7	1.5	9.6	61.2	152.3	213.4	4.4	1.7	55.4	
2026	Fluid milk -----	E2	17	12	1.2	15.8	0.5	1.1	7.6	52.4	125.6	177.9	3.8	1.4	39.2	
204	Grain mill products -----	-	19	8	1.0	14.7	0.7	1.4	9.2	47.4	177.5	225.4	1.5	1.2	32.5	
205	Bakery products -----	-	41	15	3.1	40.7	2.0	3.8	24.8	99.4	71.8	171.0	5.9	3.3	71.2	
206	Sugar and confectionery products -----	-	12	7	1.1	10.9	0.8	1.6	7.4	40.7	46.6	87.9	(D)	1.1	20.6	
207	Fats and oils -----	-	7	5	0.4	5.7	0.3	0.6	4.2	11.8	87.5	101.9	1.1	(NA)	(NA)	
208	Beverages -----	-	41	20	5.7	111.3	4.0	7.7	77.2	262.6	397.3	657.7	19.0	5.9	246.2	
2086	Bottled and canned soft drinks -----	-	28	10	1.5	24.6	0.6	1.2	8.0	40.9	63.8	104.8	6.0	1.4	31.3	
209	Miscellaneous foods and kindred products -----	-	35	14	1.2	15.0	0.7	1.6	7.8	90.3	100.8	189.3	1.4	1.7	77.0	
2099	Food preparations, n.e.c. -----	-	19	10	0.9	11.9	0.6	1.3	6.6	79.6	65.1	143.7	0.9	0.8	63.0	
2311	Men's and boys' suits and coats -----	-	6	5	0.5	5.2	0.5	0.8	3.9	7.9	10.8	18.6	(Z)	1.1	15.9	
232	Men's and boys' furnishings -----	-	22	17	1.3	9.1	1.0	1.8	5.3	25.9	26.3	52.4	0.2	1.5	15.5	
2327	Men's and boys' separate trousers -----	E3	7	5	0.4	2.5	0.3	0.6	1.9	4.2	4.8	9.0	0.1	0.5	6.3	
2329	Men's and boys' clothing, n.e.c. -----	-	8	8	0.7	5.4	0.6	1.0	2.8	19.8	18.7	38.9	0.1	0.7	6.5	
233	Women's and misses' outerwear -----	E1	29	18	2.3	19.0	2.0	3.7	14.5	33.7	32.7	66.1	0.2	3.2	38.6	
235	Hats, caps, and millinery -----	-	16	10	0.8	5.4	0.7	1.3	4.2	7.8	7.9	16.2	0.1	1.0	7.8	
236	Children's outerwear -----	-	7	4	0.3	2.4	0.2	0.4	1.7	4.4	6.7	11.0	0.1	(NA)	(NA)	
239	Miscellaneous fabricated textile products -----	E1	70	19	1.8	14.7	1.3	2.4	8.9	26.8	35.5	60.7	2.6	2.0	17.4	
2391	Curtains and draperies -----	E1	18	4	0.3	1.8	0.2	0.4	1.3	3.1	2.6	5.8	(Z)	0.3	2.3	
2392	House furnishings, n.e.c. -----	E2	12	6	0.3	2.9	0.2	0.5	1.6	5.5	8.3	13.8	(D)	0.3	2.7	
2394	Canvas and related products -----	-	12	2	0.5	4.6	0.3	0.7	2.4	7.8	11.0	17.4	(D)	0.7	6.5	
24	Lumber and wood products --	-	103	21	1.7	16.8	1.3	2.7	12.2	35.9	52.9	86.2	1.3	2.5	32.1	
242	Sawmills and planing mills --	-	21	4	0.5	4.9	0.4	1.0	3.9	13.6	26.4	38.9	0.4	0.5	6.0	
2421	Sawmills and planing mills, general -----	-	18	3	0.5	4.6	0.4	1.0	3.6	13.2	25.9	38.0	(D)	0.5	5.8	
243	Millwork, plywood, and structural members -----	E1	37	7	0.5	6.0	0.4	0.8	4.2	8.6	8.2	16.8	0.2	1.2	12.5	
2434	Wood kitchen cabinets -----	E1	21	6	0.4	3.9	0.3	0.6	2.8	5.8	4.6	10.4	0.2	(NA)	(NA)	
249	Miscellaneous wood products -----	-	22	5	0.4	3.3	0.3	0.6	2.5	9.9	12.0	20.5	0.4	0.5	7.3	
25	Furniture and fixtures -----	-	93	37	3.8	41.5	3.1	5.8	26.6	80.6	79.7	159.0	3.2	3.7	58.1	
251	Household furniture -----	-	31	14	1.5	14.3	1.3	2.3	9.5	29.8	35.0	64.4	1.9	1.4	20.7	
2514	Metal household furniture -----	-	4	3	0.3	3.2	0.2	0.4	2.0	5.5	7.4	12.8	(D)	(NA)	(NA)	
2515	Mattresses and bedsprings -----	-	8	6	0.5	5.0	0.4	0.8	3.4	8.2	12.9	20.9	(D)	0.4	6.4	
2541	Wood partitions and fixtures -----	-	22	7	0.4	5.5	0.3	0.6	3.4	8.2	5.9	14.1	0.6	0.5	7.3	
259	Miscellaneous furniture and fixtures -----	-	23	11	1.0	11.1	0.8	1.6	7.2	23.4	16.4	39.2	0.4	0.9	17.3	
2599	Furniture and fixtures, n.e.c. -----	-	18	11	1.0	10.9	0.8	1.6	7.1	22.9	16.1	38.3	0.4	0.9	16.9	
26	Paper and allied products ---	-	91	54	5.8	75.6	4.4	8.8	49.7	159.8	238.4	393.9	10.9	6.3	112.0	
2641	Paper coating and glazing -----	-	6	3	0.5	7.1	0.4	0.9	4.3	20.9	30.5	50.9	1.4	(NA)	(NA)	
2642	Envelopes -----	-	8	6	0.6	8.0	0.5	0.9	4.8	14.2	13.1	27.1	0.9	(NA)	(NA)	
2643	Bags, except textile bags -----	-	6	5	0.6	6.9	0.4	0.9	4.1	11.8	25.3	36.7	1.1	(NA)	(NA)	
265	Paperboard containers and boxes -----	-	45	31	3.1	40.3	2.3	4.5	26.7	82.3	135.1	214.4	4.7	3.6	55.4	
2653	Corrugated and solid fiber boxes -----	-	30	21	1.8	24.3	1.3	2.5	14.8	45.8	85.4	130.7	1.7	2.2	31.8	
27	Printing and publishing -----	-	572	122	13.8	195.7	9.0	16.5	117.0	376.9	231.8	607.3	17.0	14.8	284.2	
2711	Newspapers -----	-	80	22	3.7	57.1	1.8	3.1	27.7	129.6	54.8	184.4	3.6	3.9	91.0	
2721	Periodicals -----	E1	27	6	0.3	3.7	0.1	0.1	0.9	10.6	5.9	16.4	0.1	1.5	23.3	
273	Books -----	-	24	10	1.5	21.7	0.7	1.4	10.6	38.2	27.9	65.3	2.2	1.2	20.4	
2731	Book publishing -----	-	14	4	0.8	9.9	0.2	0.4	3.0	28.9	19.9	48.0	(D)	(NA)	(NA)	
2732	Book printing -----	-	10	6	0.7	11.8	0.5	1.0	7.6	9.3	8.0	17.4	(D)	(NA)	(NA)	
2741	Miscellaneous publishing -----	-	17	3	0.6	5.9	0.3	0.5	2.7	11.6	8.9	21.7	0.3	(NA)	(NA)	
2751	Commercial printing, letterpress -----	E3	165	11	1.1	12.6	0.9	1.5	8.3	22.6	13.7	36.3	0.8	1.3	18.8	
2761	Manifold business forms -----	E3	5	4	0.3	2.9	0.2	0.4	1.8	4.8	8.9	13.5	1.3	0.4	6.5	
278	Blankbooks and bookbinding -----	-	26	11	1.2	13.9	1.0	1.9	10.1	25.9	10.5	36.6	0.8	1.1	16.7	
2782	Blankbooks and looseleaf binders -----	-	11	5	0.7	8.0	0.5	1.1	5.7	16.2	7.5	23.9	0.5	0.7	11.1	
2789	Bookbinding and related work -----	-	15	6	0.5	5.8	0.5	0.9	4.4	9.7	3.0	12.7	0.3	0.5	5.6	
279	Printing trade services -----	-	63	17	1.2	18.4	0.8	1.5	12.8	31.2	15.0	45.6	1.9	1.1	23.5	

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			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	St. Louis, Mo.-Ill., SMSA—Con.														
28	Chemicals and allied products -----	-	219	88	16.4	234.2	9.4	17.8	128.6	931.7	946.0	1 872.4	100.4	16.1	489.1
281	Industrial inorganic chemicals -----	-	27	11	2.1	29.2	1.4	2.7	20.3	105.3	107.6	215.9	9.5	2.9	62.7
2813	Industrial gases -----	-	10	3	0.3	2.2	0.1	0.2	1.1	16.6	8.5	24.6	1.1	(NA)	(NA)
283	Drugs -----	-	31	12	4.3	48.0	2.0	3.4	22.7	189.8	138.5	328.0	15.3	3.4	125.5
284	Soaps, cleaners, and toilet goods-----	-	47	20	3.1	47.1	2.1	3.9	27.5	226.2	239.0	461.2	(D)	3.0	144.3
2841	Soap and other detergents -----	-	14	7	2.0	34.2	1.3	2.5	20.4	178.4	186.3	360.5	4.1	1.7	117.7
2842	Polishes and sanitation goods -----	-	24	9	0.8	10.0	0.6	1.0	5.4	39.3	44.1	83.7	1.3	1.0	17.7
2851	Paints and allied products -----	E2	33	13	0.9	12.1	0.5	0.9	5.2	32.5	47.5	80.0	0.8	1.5	35.4
287	Agricultural chemicals -----	-	17	9	0.6	8.0	0.3	0.6	3.3	33.4	66.9	101.4	5.8	0.5	12.4
2879	Agricultural chemicals, n.e.c. -----	-	11	4	0.3	4.6	0.1	0.2	1.3	22.7	28.8	51.7	(D)	(NA)	(NA)
289	Miscellaneous chemical products -----	-	43	16	1.7	26.2	0.7	1.3	8.2	96.4	65.8	161.5	(D)	1.7	41.0
2899	Chemical preparations, n.e.c. -----	-	21	6	1.0	15.6	0.2	0.5	3.1	70.3	32.9	103.3	(D)	0.8	24.2
29	Petroleum and coal products -----	-	26	11	3.2	64.2	2.2	4.7	42.1	318.1	2 224.8	2 534.9	45.4	3.1	150.7
2911	Petroleum refining -----	-	4	4	2.8	57.3	1.9	4.2	38.1	288.3	2 151.2	2 433.0	44.5	2.8	128.2
30	Rubber and miscellaneous plastics products -----	-	116	47	4.6	51.9	3.7	7.1	34.6	143.0	124.7	267.3	9.4	3.9	64.1
3079	Miscellaneous plastics products -----	-	103	42	3.6	39.0	2.8	5.3	25.1	119.5	107.8	227.0	(D)	2.8	49.6
31	Leather and leather products -----	-	54	31	4.5	35.1	3.9	6.9	25.4	58.8	58.3	118.4	1.3	5.2	47.4
314	Footwear, except rubber --	-	13	11	1.3	9.4	1.2	1.9	7.5	20.0	17.1	36.8	0.3	2.5	20.1
3144	Women's footwear, except athletic -----	-	5	4	0.7	5.3	0.6	1.1	4.3	10.7	11.2	21.9	(D)	1.9	13.9
317	Handbags and other personal leather goods --	-	10	5	1.2	10.4	1.1	1.9	7.1	13.4	10.2	26.2	0.6	1.5	15.2
32	Stone, clay, and glass products -----	-	179	58	6.3	89.0	5.0	10.0	68.0	223.0	167.2	393.2	13.9	8.2	161.1
3241	Cement, hydraulic -----	-	5	3	0.6	10.5	0.5	1.0	8.6	52.4	22.4	76.0	(D)	0.5	22.8
327	Concrete, gypsum, and plaster products -----	E2	104	28	1.6	20.4	1.1	2.2	13.6	40.3	47.4	87.4	5.4	1.8	29.5
3272	Concrete products, n.e.c. -----	E1	26	8	0.4	5.1	0.3	0.6	3.4	10.1	6.8	16.6	0.5	0.5	7.4
3273	Ready-mixed concrete --	E2	65	17	1.1	13.7	0.8	1.4	9.3	27.8	37.1	64.8	4.5	1.2	20.2
329	Miscellaneous nonmetallic mineral products-----	-	32	11	0.9	12.1	0.7	1.4	9.0	24.1	27.3	49.2	1.8	0.8	14.2
33	Primary metal industries ----	-	98	60	22.3	356.7	17.7	34.2	253.2	787.9	1 201.3	1 980.1	74.7	21.7	436.1
332	Iron and steel foundries ----	-	30	24	5.3	73.2	4.5	9.0	57.1	130.0	76.1	204.5	(D)	5.3	77.1
3341	Secondary nonferrous metals -----	-	8	4	0.7	10.8	0.6	1.2	7.9	22.4	124.1	144.9	(D)	0.5	1.6
335	Nonferrous rolling and drawing -----	-	7	6	4.5	67.1	3.4	6.9	47.4	149.7	371.3	520.7	(D)	5.0	106.1
336	Nonferrous foundries -----	-	25	10	1.0	11.6	0.8	1.6	8.4	20.4	19.1	39.4	(D)	1.4	21.2
3361	Aluminum foundries -----	-	13	6	0.7	8.3	0.6	1.1	5.9	14.3	12.7	26.9	(D)	0.7	10.2
339	Miscellaneous primary metal products -----	E1	10	4	0.3	3.5	0.2	0.4	2.5	7.5	2.8	10.3	(D)	(NA)	(NA)
34	Fabricated metal products ---	-	351	157	22.2	312.0	17.1	34.0	217.9	643.4	730.3	1 373.8	36.8	22.6	401.5
341	Metal cans and shipping containers -----	-	9	8	2.4	44.0	2.1	4.4	36.8	113.2	243.5	350.8	(D)	2.7	72.6
3411	Metal cans -----	-	5	5	2.2	40.7	1.9	4.0	34.2	105.4	232.3	331.9	(D)	2.5	68.8
342	Cutlery, hand tools, and hardware -----	-	30	17	1.7	23.8	1.1	2.3	13.4	51.7	26.5	77.5	1.6	1.8	26.7
3423	Hand and edge tools, n.e.c. -----	E1	17	12	0.7	9.7	0.5	1.1	6.2	19.8	14.9	34.4	0.7	0.7	10.3
343	Plumbing and heating, except electric -----	-	9	4	0.4	4.8	0.3	0.6	3.5	16.1	9.3	24.8	0.1	0.6	11.9
344	Fabricated structural metal products -----	-	116	50	7.3	103.8	5.5	10.8	70.4	197.7	230.8	433.6	10.9	6.5	118.6
3441	Fabricated structural metal -----	-	32	12	1.4	19.3	0.9	2.0	12.3	39.4	42.3	81.6	1.5	1.1	20.0
3443	Fabricated plate work (boiler shops) -----	-	22	15	3.7	54.2	3.0	5.7	40.1	89.9	106.8	200.4	5.5	2.8	61.8
3444	Sheet metal work -----	-	28	11	1.1	14.3	0.8	1.6	9.4	36.3	36.3	72.2	2.6	0.9	13.4
3449	Miscellaneous metal work -----	-	5	4	0.6	8.1	0.3	0.6	4.1	14.7	16.9	33.9	0.5	(NA)	(NA)
345	Screw machine products, bolts, etc. -----	-	28	18	0.9	12.4	0.7	1.3	8.0	21.7	15.7	37.6	0.8	0.9	14.2
346	Metal forgings and stampings -----	E1	37	17	1.9	24.1	1.5	3.0	17.3	41.5	47.1	88.1	4.6	1.8	29.7
3469	Metal stampings, n.e.c. --	-	33	14	1.6	20.5	1.3	2.6	14.7	34.7	39.4	73.8	(D)	1.6	25.8
3471	Plating and polishing ---	E1	35	7	0.7	8.4	0.6	1.2	5.5	13.5	5.2	18.5	0.9	0.8	10.4

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	St. Louis, Mo.-Ill., SMSA—Con.														
34	Fabricated metal products—Con.														
349	Miscellaneous fabricated metal products -----	E1	58	25	3.6	47.4	2.7	5.1	32.0	104.7	86.6	189.7	5.9	3.7	44.6
3494	Valves and pipe fittings -	E1	7	5	1.6	21.4	1.2	2.2	14.4	56.5	38.3	94.0	1.1	2.0	21.0
3496	Miscellaneous fabricated wire products -----	-	10	4	0.5	5.7	0.4	0.7	3.7	10.1	9.8	19.6	0.3	0.7	8.9
3499	Fabricated metal products, n.e.c. -----	E2	32	9	0.5	8.0	0.4	0.7	4.4	13.0	7.5	20.4	1.3	0.5	8.3
35	Machinery, except electrical -	-	478	132	21.2	312.1	14.6	28.8	194.5	576.9	399.8	962.5	26.0	20.4	359.5
352	Farm and garden machinery -----	-	7	4	0.3	4.1	0.2	0.4	2.5	8.1	15.9	24.7	(D)	0.4	4.2
353	Construction and related machinery -----	-	27	16	1.6	25.2	0.9	1.7	11.1	56.9	46.2	101.5	1.9	1.0	22.4
3532	Mining machinery -----	-	6	5	0.5	7.9	0.3	0.5	3.8	27.2	17.0	42.7	1.0	(NA)	(NA)
3535	Conveyors and conveying equipment --	-	8	5	0.6	9.7	0.3	0.5	3.2	15.7	17.4	33.5	0.5	(NA)	(NA)
354	Metalworking machinery -----	-	125	33	3.4	59.1	2.5	4.9	37.1	106.9	47.1	152.4	6.6	3.3	70.2
3544	Special dies, tools, jigs, and fixtures -----	-	96	22	1.8	31.2	1.5	3.0	24.0	48.1	26.2	73.4	4.6	1.6	27.4
355	Special industry machinery -----	-	40	12	1.7	30.1	1.3	2.5	19.7	58.3	36.8	95.5	1.6	1.3	20.8
356	General industrial machinery -----	-	64	17	1.7	23.6	1.2	2.3	13.4	50.0	34.1	81.1	5.0	1.6	25.9
3566	Speed changers, drives, and gears -----	-	9	5	0.3	3.7	0.2	0.4	2.1	8.7	5.0	13.5	0.8	0.4	7.2
3569	General industrial machinery, n.e.c. -----	-	12	2	0.3	4.0	0.2	0.4	2.2	7.8	8.4	15.8	0.7	0.3	4.9
357	Office and computing machines -----	E1	8	3	0.4	4.9	0.2	0.3	1.8	11.3	4.0	15.1	(D)	(NA)	(NA)
358	Refrigeration and service machinery -----	-	31	18	6.5	83.0	4.2	8.6	49.0	169.7	153.8	314.0	4.8	7.4	125.7
3585	Refrigeration and heating equipment ----	-	14	10	3.5	42.4	2.2	4.4	24.4	73.7	91.9	160.2	2.2	4.5	69.4
3589	Service industry machinery, n.e.c. -----	E4	13	4	0.4	5.0	0.3	0.6	3.1	11.6	7.7	19.0	0.1	0.4	2.7
359	Miscellaneous machinery, except electrical -----	-	176	29	5.5	82.1	4.2	8.0	59.7	115.6	62.0	178.2	4.6	5.3	87.8
3592	Carburetors, pistons, rings, and valves -----	-	8	5	3.9	60.4	3.0	5.4	43.7	80.5	41.7	123.0	2.7	3.6	61.4
3599	Machinery, except electrical, n.e.c. -----	E2	170	24	1.5	21.7	1.3	2.6	16.0	35.1	20.3	55.2	2.0	1.6	26.4
36	Electric and electronic equipment -----	-	127	52	13.5	166.3	9.3	17.0	89.5	379.8	265.8	647.3	14.5	14.5	247.1
361	Electric distributing equipment -----	-	14	12	4.6	50.8	3.7	6.5	31.3	119.8	64.7	185.4	4.5	5.4	91.7
3613	Switchgear and switchboard apparatus -	-	11	9	4.2	46.3	3.4	5.9	28.0	109.8	52.5	163.2	(D)	(NA)	(NA)
362	Electrical industrial apparatus -----	-	20	9	1.2	14.1	0.9	1.9	9.0	24.7	29.6	54.2	1.0	2.1	22.6
3621	Motors and generators --	-	8	7	1.0	11.1	0.8	1.6	7.6	19.0	25.3	44.1	(D)	1.5	14.6
363	Household appliances -----	E2	10	3	0.5	4.6	0.4	0.7	3.7	8.5	13.7	22.1	0.2	0.8	8.0
364	Electric lighting and wiring equipment -----	-	22	11	2.6	31.9	1.9	3.5	21.5	108.3	62.0	168.2	3.8	3.2	76.7
3679	Electronic components, n.e.c. -----	E1	16	3	0.4	3.6	0.3	0.4	2.4	6.8	5.2	12.0	0.3	(NA)	(NA)
369	Miscellaneous electrical equipment and supplies --	-	17	7	0.6	6.5	0.5	0.9	4.3	16.3	9.6	25.8	0.4	0.5	6.8
3699	Electrical equipment and supplies, n.e.c. ----	-	8	4	0.5	5.0	0.3	0.7	3.1	11.7	4.9	16.5	0.2	(NA)	(NA)
37	Transportation equipment ---	-	74	32	55.8	1 022.6	39.0	79.9	667.6	2 678.7	5 504.2	8 207.8	57.0	55.4	1 513.9
3711	Motor vehicles and car bodies -----	-	6	4	21.9	446.0	19.6	41.3	380.2	1 488.9	3 889.6	5 366.3	28.4	17.9	673.2
3713	Truck and bus bodies ---	-	12	6	0.7	8.9	0.5	0.8	5.1	14.8	21.4	36.2	0.5	(NA)	(NA)
3728	Aircraft equipment, n.e.c. -----	-	7	5	0.5	6.1	0.4	0.7	4.6	9.2	5.2	14.9	0.1	0.3	5.5
38	Instruments and related products -----	-	71	28	3.0	35.7	2.1	3.8	20.2	71.6	49.8	120.0	7.4	2.7	52.7
382	Measuring and controlling devices -----	-	15	6	1.3	14.9	0.9	1.7	9.0	32.3	19.2	50.3	(D)	1.3	36.2
3841	Surgical and medical instruments -----	-	12	7	0.8	10.4	0.4	0.8	5.0	16.5	13.3	29.9	(D)	0.6	6.2
3842	Surgical appliances and supplies -----	-	13	6	0.6	5.2	0.4	0.8	3.6	10.4	9.9	20.7	(D)	0.4	4.5
39	Miscellaneous manufacturing industries ---	E1	149	38	3.3	32.0	2.5	4.7	20.0	64.4	55.5	119.5	2.9	4.0	58.9
394	Toys and sporting goods --	-	21	10	0.6	4.8	0.5	0.8	2.9	13.3	13.5	26.0	(D)	0.6	9.7
3949	Sporting and athletic goods, n.e.c. -----	-	13	6	0.3	3.1	0.3	0.5	1.8	7.7	7.6	14.8	0.2	(NA)	(NA)
395	Pens, pencils, office and art supplies -----	-	13	6	0.8	7.0	0.6	1.3	4.4	12.4	11.7	24.8	1.5	1.0	13.1
3951	Pens and mechanical pencils -----	-	4	4	0.7	5.5	0.5	1.1	3.5	9.9	9.2	19.3	(D)	(NA)	(NA)

See footnotes at end of table.

Table 6. Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972—Con.

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	St. Louis, Mo.-Ill., SMSA—Con.														
39	Miscellaneous manufacturing industries—Con.														
399	Miscellaneous manufactures -----	E1	94	18	1.6	17.2	1.2	2.3	10.9	32.6	24.4	57.2	0.7	2.2	31.6
3993	Signs and advertising displays -----	E1	45	11	0.9	10.0	0.6	1.2	6.2	15.3	12.8	28.1	0.3	1.1	15.7
3999	Manufacturing industries, n.e.c. -----	E1	41	6	0.7	6.5	0.5	1.0	4.4	15.8	9.3	24.9	0.3	1.0	15.6
—	Administrative and auxiliary --	—	148	79	21.9	393.1	—	—	—	—	—	—	—	(NA)	(NA)
	Springfield SMSA -----	—	328	90	18.9	205.6	14.2	28.4	141.3	503.0	1 007.2	1 504.3	25.1	17.7	247.9
20	Food and kindred products --	—	43	20	3.6	45.7	2.3	4.4	26.8	158.8	610.5	767.1	5.3	3.5	58.9
201	Meat products -----	E1	10	3	0.3	2.4	0.3	0.5	2.0	2.7	10.7	14.4	0.1	0.4	3.7
202	Dairy products -----	—	5	5	1.9	25.2	1.2	2.3	15.6	91.3	479.7	565.9	1.7	1.8	30.4
204	Grain mill products -----	—	11	4	0.4	4.6	0.3	0.6	2.6	19.4	63.8	83.4	(D)	(NA)	(NA)
23	Apparel and other textile products -----	E3	9	5	0.6	3.3	0.6	0.9	2.4	5.0	2.7	7.3	(Z)	0.6	4.6
24	Lumber and wood products --	E1	36	5	0.4	3.2	0.4	0.7	2.6	7.5	11.6	19.3	(D)	0.4	4.1
25	Furniture and fixtures -----	—	10	3	0.3	2.8	0.3	0.6	2.2	5.1	6.2	11.6	0.2	0.3	3.3
26	Paper and allied products ---	—	10	6	1.8	17.8	1.4	2.3	12.6	48.3	39.2	85.1	2.2	(NA)	(NA)
27	Printing and publishing -----	—	56	6	1.8	18.3	1.0	1.9	8.9	27.3	12.5	39.1	1.2	1.3	16.5
28	Chemicals and allied products -----	—	10	4	0.4	4.7	0.2	0.5	2.7	26.5	17.6	43.0	0.7	(NA)	(NA)
32	Stone, clay, and glass products -----	—	25	7	0.5	5.4	0.4	0.6	3.5	11.4	13.1	24.5	1.3	(NA)	(NA)
35	Machinery, except electrical -	E1	33	6	0.5	5.6	0.4	0.7	3.3	12.3	10.5	22.4	0.3	1.2	12.0
356	General industrial machinery -----	—	6	4	0.3	3.6	0.2	0.4	2.2	8.4	6.2	14.4	0.1	(NA)	(NA)
36	Electric and electronic equipment -----	—	12	5	5.3	50.8	4.7	8.9	44.2	102.8	208.6	314.1	6.1	(NA)	(NA)
37	Transportation equipment ---	—	15	5	0.6	8.5	0.5	1.0	5.7	14.4	20.7	34.9	(D)	0.6	9.5
—	Administrative and auxiliary --	—	6	5	0.3	3.9	—	—	—	—	—	—	—	(NA)	(NA)

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 -- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (S) Withheld because estimate did not meet publication standards.
 (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Adair County -----	-	23	9	2.1	21.6	1.8	3.5	17.3	60.9	60.2	125.1	3.8	1.9	38.5
	Audrain County -----	-	36	17	3.9	47.6	2.9	5.2	32.4	72.5	143.0	220.7	8.5	4.2	57.2

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies.
For explanation of terms, see appendix B]

For explanation of terms, see appendix B.															
SIC code	County and industry	1977											1972		
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
20	Barry County -----	-	58	19	3.0	24.5	2.5	4.7	17.6	53.1	148.9	202.4	2.6	1.9	16.2
	Food and kindred products --	-	7	4	0.8	5.3	0.7	1.2	4.4	17.2	97.6	114.2	1.0	(NA)	(NA)
	Barton County -----	-	20	3	0.8	7.2	0.6	1.2	4.3	15.7	14.4	28.6	1.4	0.7	9.6
	Bollinger County -----	-	24	4	0.5	3.1	0.5	1.0	2.8	5.0	4.9	10.9	0.4	0.3	3.3
201 204	Boone County (Coextensive with Columbia, Mo., SMSA; see table 6.)	-													
	Buchanan County -----	-	110	53	9.3	109.4	6.9	13.5	74.6	326.1	696.8	1 013.8	(D)	9.4	177.7
	Meat products -----	-	6	4	1.0	16.1	0.7	1.6	12.6	28.3	204.0	230.8	(D)	1.7	30.9
	Grain mill products -----	-	8	6	1.3	17.3	1.0	2.1	11.9	113.8	141.6	256.1	5.5	1.1	46.1
34	Fabricated metal products ---	-	9	5	0.6	7.0	0.5	0.9	5.8	29.4	32.2	60.6	0.5	(NA)	(NA)
265	Butler County -----	-	50	13	1.7	11.4	1.4	2.1	8.9	24.6	21.0	45.1	1.4	1.4	18.4
	Callaway County -----	-	22	8	1.0	11.7	0.8	1.5	9.0	23.1	25.8	47.7	1.9	1.2	22.0
	Camden County -----	-	37	5	0.7	6.2	0.6	1.1	4.4	14.4	10.9	25.3	1.5	0.6	5.9
	Cape Girardeau County -----	-	91	30	5.0	53.8	4.1	7.5	40.0	141.7	185.9	326.8	19.6	4.6	71.3
	Cass County -----	-	52	10	0.7	6.5	0.5	1.0	4.1	12.3	11.0	22.5	1.1	0.6	9.1
	Cedar County -----	-	21	8	0.8	5.9	0.8	1.4	5.0	10.3	16.5	27.2	0.4	0.8	11.1
	Christian County -----	-	43	8	1.2	10.1	1.1	2.1	8.2	20.3	15.9	36.6	1.2	1.0	11.9
	Clay County -----	-	204	82	15.5	238.4	9.7	19.0	140.1	673.9	1 427.7	2 067.6	43.9	15.1	398.7
	Paperboard containers and boxes -----	-	8	5	0.5	6.3	0.3	0.6	3.7	12.3	19.0	31.3	0.6	0.6	8.4
	Printing and publishing -----	-	46	9	0.9	11.8	0.6	1.2	7.4	20.3	18.3	38.6	2.9	0.6	12.9
	Machinery, except electrical --	-	25	4	0.5	7.0	0.4	0.6	4.6	14.8	11.1	25.9	0.7	0.7	10.4
	Administrative and auxiliary --	-	10	7	2.7	39.5	-	-	-	-	-	-	-	(NA)	(NA)
31	Cole County -----	-	46	14	4.0	41.0	2.6	5.0	25.3	133.5	100.8	231.7	5.4	3.0	83.9
	Cooper County -----	-	16	9	0.9	8.1	0.7	1.3	5.4	22.9	25.8	50.7	0.7	1.0	13.4
	Crawford County -----	-	41	9	1.0	7.3	0.8	1.4	5.6	11.9	14.1	25.9	0.5	1.0	12.8
	Leather and leather products -----	-	5	5	0.6	3.9	0.5	0.9	3.3	6.4	9.4	15.8	(D)	0.7	6.7
	Dent County -----	-	23	7	1.4	12.5	1.2	2.2	9.4	30.3	25.3	57.4	1.4	1.3	18.0
	Douglas County -----	-	15	2	0.5	3.0	0.5	0.9	2.5	7.2	5.5	12.3	(D)	0.5	4.9
23	Dunklin County -----	-	42	11	2.9	25.9	2.5	4.6	20.3	73.9	62.6	136.6	3.6	3.0	46.3
	Franklin County -----	-	117	49	6.4	59.7	5.0	9.2	42.2	122.4	161.6	282.0	4.6	6.1	99.1
	Apparel and other textile products -----	-	5	5	0.9	6.5	0.7	1.3	4.5	10.3	15.2	24.2	(D)	(NA)	(NA)
	Leather and leather products -----	-	8	7	1.4	9.9	1.2	2.0	7.0	16.1	21.2	36.5	0.3	1.3	11.3
	Machinery, except electrical --	-	19	6	1.0	10.1	0.7	1.4	7.6	17.7	21.7	39.1	0.5	1.2	23.5
	Gasconade County -----	-	31	10	1.4	11.2	1.3	2.4	9.5	24.0	21.3	45.0	1.1	1.1	16.9
202	Leather and leather products -----	-	4	4	0.9	6.1	0.8	1.5	5.7	13.8	13.1	26.7	(D)	(NA)	(NA)
	Greene County -----	-	285	82	17.7	195.5	13.1	24.3	133.0	482.8	991.3	1 467.7	23.9	16.7	235.0
	Dairy products -----	-	5	5	1.9	25.2	1.2	2.3	15.6	91.3	479.7	565.9	1.7	(NA)	(NA)
	Paper and allied products ---	-	10	6	1.8	17.8	1.4	2.3	12.6	48.3	39.2	85.1	2.2	1.8	32.6
	Printing and publishing -----	-	49	5	1.7	17.4	0.9	1.8	8.1	25.3	12.0	36.7	(D)	(NA)	(NA)
	Concrete, gypsum, and plaster products -----	-	19	7	0.5	5.2	0.3	0.6	3.3	11.0	12.8	23.8	1.2	(NA)	(NA)
35	Machinery, except electrical --	E1	29	5	0.5	5.2	0.3	0.6	3.0	11.3	9.7	20.5	0.3	(NA)	(NA)
	Henry County -----	-	23	10	1.6	12.6	1.3	2.4	8.6	43.8	84.8	129.2	0.6	1.6	20.5
	Howard County -----	-	13	3	0.7	4.0	0.5	0.9	2.9	10.8	8.0	18.9	1.4	(D)	(D)
	Howell County -----	-	63	19	2.6	18.1	2.3	4.0	14.4	50.3	58.7	107.6	1.7	2.2	22.6
	Iron County -----	-	20	6	1.2	13.4	1.0	1.9	10.0	76.2	150.7	190.1	1.8	0.6	12.5

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	E1	1977											1972	
			All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	Jackson County	-	1 143	364	64.6	960.5	41.8	81.2	548.9	2 121.0	3 190.8	5 361.8	190.4	71.0	1 572.8
205	Bakery products	-	12	6	1.2	17.8	0.8	1.5	10.3	28.3	26.7	54.9	1.7	1.0	23.4
2051	Bread, cake, and related products	-	12	6	1.2	17.8	0.8	1.5	10.3	28.3	26.7	54.9	1.7	(NA)	(NA)
2099	Food preparations, n.e.c.	-	11	7	0.5	6.0	0.3	0.7	3.2	32.9	36.8	69.6	(D)	(NA)	(NA)
23	Apparel and other textile products	-	61	25	3.1	26.1	2.7	4.4	18.7	44.5	40.3	84.5	(D)	3.3	32.4
233	Women's and misses' outerwear	-	24	16	2.4	20.1	2.1	3.3	14.6	33.7	26.1	59.7	0.3	2.2	20.9
265	Paperboard containers and boxes	-	9	8	0.8	11.9	0.7	1.2	8.4	17.9	28.1	46.6	0.8	1.0	13.5
275	Commercial printing	E1	130	23	1.8	24.6	1.1	2.4	14.9	38.8	26.7	65.3	(D)	1.7	26.1
2752	Commercial printing, lithographic	-	54	15	1.3	19.3	0.7	1.7	11.2	30.5	20.6	50.9	(D)	(NA)	(NA)
28	Chemicals and allied products	-	49	14	3.3	53.8	1.4	2.8	16.9	204.1	143.0	348.5	(D)	2.6	101.8
30	Rubber and miscellaneous plastics products	-	39	21	2.1	18.3	1.8	3.4	13.6	38.0	34.8	72.3	5.6	1.4	20.1
32	Stone, clay, and glass products	E1	60	17	1.1	15.0	0.8	1.6	10.0	39.6	34.6	73.8	3.9	1.0	25.2
34	Fabricated metal products ---	-	127	41	10.5	157.2	6.6	12.3	83.5	260.3	108.0	366.8	7.6	12.9	187.9
3444	Sheet metal work	-	14	4	0.9	13.4	0.6	1.2	8.3	44.1	45.4	88.0	0.8	(NA)	(NA)
353	Construction and related machinery	-	11	5	0.9	13.2	0.6	1.1	6.9	25.8	32.5	59.8	(D)	1.2	25.1
3531	Construction machinery	-	5	4	0.8	12.1	0.5	1.0	6.2	23.2	30.2	54.8	(D)	(NA)	(NA)
358	Refrigeration and service machinery	-	11	5	0.6	9.2	0.4	0.7	5.0	13.5	14.0	27.4	0.1	(NA)	(NA)
36	Electric and electronic equipment	-	40	17	6.9	103.8	5.2	10.1	68.2	203.6	164.8	359.1	(D)	8.3	173.9
369	Miscellaneous electrical equipment and supplies --	-	13	8	0.7	7.1	0.6	1.2	5.1	16.0	25.4	40.1	(D)	0.6	9.7
-	Administrative and auxiliary --	-	39	23	2.1	34.0	-	-	-	-	-	-	-	(NA)	(NA)
	Jasper County	-	194	79	10.3	107.0	7.8	15.0	72.0	266.2	373.2	638.1	16.7	10.7	151.8
20	Food and kindred products --	-	30	14	1.7	17.9	1.2	2.4	11.4	50.9	161.0	212.3	3.9	1.6	24.0
23	Apparel and other textile products	-	7	6	1.0	5.7	0.9	1.8	5.2	13.0	14.7	29.1	(D)	1.1	14.4
28	Chemicals and allied products	-	9	5	1.0	13.7	0.8	1.5	10.2	48.7	61.6	109.6	5.3	1.2	24.5
32	Stone, clay, and glass products	-	15	6	0.5	4.4	0.4	0.8	3.1	10.6	8.4	19.0	0.5	0.6	7.2
34	Fabricated metal products ---	-	15	7	0.9	10.0	0.7	1.5	6.9	20.6	23.1	43.0	0.9	0.9	11.7
35	Machinery, except electrical --	-	52	14	1.7	22.2	1.3	2.4	15.0	41.4	29.6	68.8	3.3	1.9	23.5
36	Electric and electronic equipment	-	8	6	1.3	10.9	1.0	1.8	7.2	24.0	17.9	41.6	0.4	0.9	10.5
	Jefferson County	-	83	17	3.4	41.5	2.8	5.6	32.2	212.8	126.3	337.2	10.9	3.6	95.6
	Johnson County	-	26	7	0.8	7.6	0.7	1.3	5.5	22.9	20.2	43.7	0.7	1.1	21.7
	Laclede County	-	43	18	2.3	20.0	1.8	3.2	15.0	40.9	32.2	70.8	4.7	2.5	23.2
	Lafayette County	-	40	12	1.2	9.6	1.1	1.8	6.4	23.1	25.8	48.2	1.0	1.2	11.4
	Lawrence County	-	44	19	1.8	15.2	1.5	2.9	11.4	41.4	82.5	122.3	0.8	2.1	32.6
	Lincoln County	-	23	6	0.5	3.6	0.3	0.5	1.9	5.9	3.6	9.5	0.4	0.4	4.1
	Linn County	-	22	10	1.7	11.2	1.4	2.3	8.2	25.0	17.0	41.3	1.9	1.4	16.5
	Livingston County	-	23	11	1.2	11.2	1.0	1.9	8.6	33.1	24.9	56.8	0.9	1.0	14.6
23	Apparel and other textile products	-	4	4	0.5	2.9	0.4	0.8	2.4	9.5	5.3	13.9	0.1	(NA)	(NA)
238	Miscellaneous apparel and accessories	-	4	4	0.5	2.9	0.4	0.8	2.4	9.5	5.3	13.9	0.1	(NA)	(NA)
	McDonald County	-	26	5	0.9	6.4	0.8	1.4	5.0	19.8	44.2	63.7	0.6	1.7	15.6
	Madison County	-	21	7	0.6	3.8	0.5	0.9	3.2	8.5	8.4	16.7	0.7	0.5	6.5
	Marion County	-	32	12	1.2	11.9	1.0	1.8	7.6	39.1	47.7	79.1	(D)	1.5	17.1
	Miller County	-	29	11	1.0	7.3	0.9	1.6	6.1	10.9	14.5	24.6	0.5	0.6	4.6
	Mississippi County	-	14	4	0.6	3.6	0.5	0.8	3.1	8.0	7.2	15.3	0.1	0.6	6.8
	Moniteau County	-	22	7	1.1	8.0	0.9	1.5	6.1	16.6	29.5	45.3	(D)	1.5	13.6

See footnotes at end of table.

Table 7. **Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.**

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies.
For explanation of terms, see appendix B]

Explanation of terms, see appendix B)																
SIC code	County and industry	1977												1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)	
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)							
20	Monroe County	-	11	3	0.6	5.9	0.5	1.0	4.5	11.3	10.3	21.4	(D)	(D)	(D)	
	Montgomery County	-	24	8	0.8	7.8	0.6	1.1	4.6	16.7	37.1	54.2	1.0	0.6	16.3	
	Morgan County	-	26	5	0.5	3.3	0.4	0.7	2.4	6.0	6.9	12.8	0.4	0.6	5.0	
	Newton County	-	64	18	3.0	29.0	2.6	4.5	21.3	68.2	97.2	166.4	4.4	2.6	33.1	
	Food and kindred products --	-	10	5	0.5	4.1	0.4	0.7	2.9	13.7	53.6	67.3	0.5	(NA)	(NA)	
	Nodaway County	-	23	8	0.9	9.9	0.7	1.4	7.3	26.1	35.2	61.1	3.9	0.4	9.3	
	Osage County	-	19	5	0.5	4.3	0.5	0.8	3.0	9.0	12.4	21.4	0.3	0.6	5.0	
	Pemiscot County	-	19	6	1.2	10.1	1.0	2.0	7.9	24.6	32.4	56.7	0.3	1.1	16.5	
	Perry County	-	28	5	1.3	15.1	1.0	1.8	8.9	33.0	74.8	124.8	2.1	1.0	11.2	
	Pettis County	-	44	23	3.2	26.4	2.5	4.5	17.4	61.9	83.5	147.2	2.5	3.1	46.3	
	Phelps County	-	31	10	1.2	10.3	0.9	1.9	6.9	25.3	28.6	53.3	3.8	0.9	11.6	
	Pike County	-	24	7	1.1	15.7	0.8	1.6	10.2	58.7	60.0	128.8	(D)	1.1	34.0	
	Platte County	-	19	7	0.5	7.2	0.3	0.7	4.1	9.2	25.0	34.0	1.0	0.3	4.4	
	Polk County	-	27	6	0.7	4.7	0.6	1.0	3.3	8.4	10.9	19.1	0.5	0.6	6.5	
	Pulaski County	-	20	6	0.7	4.7	0.6	1.0	4.0	10.0	6.7	16.6	0.3	0.7	7.2	
	Ralls County	-	12	6	0.7	7.5	0.5	1.1	5.8	48.0	49.9	96.9	1.8	0.5	10.0	
	Randolph County	-	34	8	1.8	16.6	1.2	2.5	12.2	65.5	71.4	137.8	5.4	1.3	32.5	
	Ripley County	-	35	2	0.5	3.1	0.4	0.8	2.7	12.0	12.0	23.6	0.6	0.2	1.7	
	33	St. Charles County	-	112	33	5.0	68.8	3.0	5.5	32.9	119.2	75.5	196.5	14.9	4.5	74.0
35	Primary metal industries	-	8	6	1.5	20.7	1.2	2.0	12.9	41.8	17.3	62.1	(D)	(NA)	(NA)	
	Machinery, except electrical --	-	26	7	0.5	5.8	0.4	0.8	4.7	11.9	6.9	17.5	2.2	(NA)	(NA)	
	St. Francois County	-	47	14	1.6	13.6	1.2	2.1	8.0	22.9	26.2	49.0	0.9	1.3	14.2	
20	St. Louis County	-	1 285	434	100.4	1 578.2	56.9	112.5	769.5	3 422.5	4 907.5	8 348.4	125.2	101.8	2 231.3	
	Food and kindred products --	-	54	20	2.6	34.1	1.5	3.1	16.2	124.5	149.1	273.3	6.5	2.4	63.2	
	Bottled and canned soft drinks	-	7	3	0.7	11.0	0.3	0.5	3.9	23.6	28.7	52.5	(D)	(NA)	(NA)	
	Miscellaneous fabricated textile products	-	24	3	0.5	3.4	0.3	0.6	2.3	6.7	7.9	14.5	(D)	(NA)	(NA)	
	Furniture and fixtures	E1	43	17	1.6	18.2	1.2	2.2	10.1	32.2	34.7	66.9	1.3	(NA)	(NA)	
	Paper and allied products --	-	37	23	2.2	29.4	1.7	3.4	19.8	69.7	110.4	177.3	4.1	2.7	54.6	
	Paperboard containers and boxes	-	18	12	1.3	18.2	1.0	2.0	12.4	39.3	63.6	100.8	2.3	1.7	24.9	
	Corrugated and solid fiber boxes	E1	13	7	0.6	8.7	0.5	0.9	5.3	16.0	32.5	48.4	1.1	(NA)	(NA)	
	Printing and publishing	-	233	46	4.8	65.6	3.2	6.0	38.1	126.7	97.5	222.6	6.6	3.9	75.4	
	Books	-	15	6	1.1	15.6	0.4	0.9	6.4	29.2	17.6	46.0	(D)	(NA)	(NA)	
	Commercial printing	-	132	18	2.1	28.2	1.6	3.0	18.9	46.2	46.2	92.4	2.8	1.6	26.4	
	Printing trade services	-	25	7	0.6	9.0	0.4	0.7	5.7	15.8	11.6	26.9	0.8	(NA)	(NA)	
	28	Chemicals and allied products	-	80	29	4.7	69.0	2.5	4.8	31.8	327.9	253.3	585.0	18.6	3.9	177.3
	283	Drugs	-	10	5	1.0	10.1	0.6	1.1	5.4	107.4	47.3	154.3	10.7	(NA)	(NA)
	284	Soaps, cleaners, and toilet goods	-	20	6	1.4	22.6	0.8	1.5	11.0	87.1	85.1	171.6	1.7	(NA)	(NA)
	289	Miscellaneous chemical products	-	17	6	0.9	15.5	0.2	0.5	3.4	71.1	38.2	108.7	(D)	(NA)	(NA)
	327	Concrete, gypsum, and plaster products	E3	39	15	0.8	10.6	0.6	1.1	7.2	21.4	25.6	46.9	2.4	1.0	15.1
	3273	Ready-mixed concrete --	E3	22	9	0.5	7.2	0.4	0.7	4.6	14.3	19.1	33.3	2.0	(NA)	(NA)
	344	Fabricated structural metal products	-	43	22	2.1	30.3	1.4	2.9	18.0	65.5	73.1	140.9	1.9	2.3	41.3
3449	Miscellaneous metal work	-	4	3	0.5	7.5	0.3	0.5	3.6	13.7	14.4	30.5	(D)	(NA)	(NA)	
3469	Metal stampings, n.e.c. --	-	13	6	0.6	7.6	0.5	1.1	5.8	14.5	20.4	34.6	(D)	(NA)	(NA)	
349	Miscellaneous fabricated metal products	-	24	8	1.5	18.6	1.1	2.0	11.5	33.5	21.0	53.5	1.5	1.2	17.3	
35	Machinery, except electrical --	-	193	61	8.1	115.8	5.2	10.2	62.4	239.4	130.4	362.8	10.2	8.1	143.8	
353	Construction and related machinery	-	10	4	0.8	12.3	0.4	0.7	4.5	20.8	13.9	34.8	0.5	0.6	12.9	
3544	Special dies, tools, jigs, and fixtures	-	36	11	0.5	8.2	0.4	0.9	6.2	13.8	5.3	18.8	1.1	(NA)	(NA)	
358	Refrigeration and service machinery	-	9	5	2.1	26.0	1.3	2.6	15.3	61.5	42.0	100.9	(D)	(NA)	(NA)	
359	Miscellaneous machinery, except electrical	E1	62	11	1.2	16.0	0.9	1.7	10.6	28.4	14.7	41.7	1.6	1.4	21.9	
36	Electric and electronic equipment	-	65	23	6.3	82.3	3.9	7.3	42.6	191.5	160.8	356.3	8.0	5.4	114.2	
3699	Electrical equipment and supplies, n.e.c. --	-	6	3	0.5	4.7	0.3	0.7	3.0	11.4	4.4	15.7	0.1	(NA)	(NA)	
399	Miscellaneous manufactures	E1	41	5	0.7	7.4	0.6	1.0	4.7	15.7	12.4	28.3	0.3	0.8	15.0	
--	Administrative and auxiliary --	-	78	44	13.8	243.4	-	-	-	-	-	-	-	(NA)	(NA)	

See footnotes at end of table.

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972—Con.

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977												1972	
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Ste. Genevieve County -----	-	17	6	2.7	25.8	2.2	4.2	19.2	59.2	48.2	107.3	(D)	2.2	37.8
	Saline County -----	-	26	11	2.4	23.6	2.0	3.8	18.5	52.4	259.9	311.9	1.6	2.1	28.6
	Scott County -----	-	46	15	2.3	20.2	1.9	3.3	14.3	39.5	62.9	100.9	1.8	2.7	29.7
	Shannon County -----	-	27	5	0.6	3.8	0.6	0.9	3.0	9.8	7.8	17.6	0.6	0.6	5.0
	Shelby County -----	-	9	3	0.5	3.2	0.4	0.8	2.3	8.7	7.9	15.7	0.6	(D)	(D)
	Stoddard County -----	-	49	16	3.3	24.6	3.0	5.4	20.7	59.4	59.7	118.0	2.4	2.8	27.8
	Stone County -----	-	15	5	0.6	3.6	0.6	0.9	2.7	7.1	7.6	14.8	0.1	0.6	4.1
	Texas County -----	-	58	12	2.0	13.2	1.8	3.1	11.3	24.4	51.8	78.1	1.3	1.9	18.4
	Vernon County -----	-	20	8	0.9	9.2	0.7	1.4	6.4	34.2	32.4	65.2	(D)	0.8	10.9
	Warren County -----	-	25	9	1.2	13.9	0.9	1.7	9.4	33.1	93.5	129.1	2.1	1.8	32.2
	Washington County -----	-	12	2	0.5	3.4	0.5	0.9	2.9	7.8	9.9	17.7	0.4	0.5	7.4
	Wayne County -----	-	39	4	0.7	4.2	0.6	1.1	3.5	8.7	18.3	26.8	0.3	0.4	2.6
	Webster County -----	-	25	8	1.1	8.9	0.9	1.7	6.2	19.0	17.6	36.4	0.8	0.9	11.4
	Wright County -----	-	19	5	1.2	9.5	1.1	2.0	7.3	20.9	20.6	41.0	0.6	1.2	11.6
	St. Louis (Independent city) (See table 8.)														

Note: "County" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
 - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹ Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
² Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry	1977												1972	
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
20	Aurora -----	-	17	12	1.2	9.1	0.9	1.8	6.8	17.5	36.9	53.9	0.3	1.2	14.9
	Berkeley -----	-	32	7	1.0	12.0	0.6	1.2	6.8	28.9	42.4	70.6	0.7	(D)	(D)
	Blue Springs -----	-	29	7	0.8	8.2	0.6	1.0	4.8	17.1	13.7	30.7	0.6	0.6	9.2
	Bolivar -----	-	17	5	0.7	4.3	0.5	1.0	3.0	8.0	9.5	17.2	0.4	0.6	6.4
	Brentwood -----	-	85	28	2.5	30.0	1.6	3.2	15.9	55.5	45.6	100.2	2.1	2.0	29.4
	Bridgeton -----	-	42	20	3.6	50.7	2.5	4.9	30.9	124.7	115.8	237.7	3.2	4.4	85.7
	Brookfield -----	-	11	4	0.9	6.1	0.7	1.2	4.3	11.2	11.8	22.9	(D)	0.9	11.3
	California -----	-	12	4	0.6	5.1	0.5	0.9	3.8	9.2	23.6	32.1	(D)	0.7	4.4
	Cape Girardeau -----	-	73	20	3.4	39.7	2.7	4.9	29.2	112.5	143.6	256.3	17.6	3.6	58.4
	Carthage -----	-	36	18	2.7	26.5	2.1	4.2	18.9	76.0	157.4	234.2	4.1	2.8	49.0
	Food and kindred products --	-	9	4	0.8	7.9	0.7	1.3	6.2	21.4	98.4	120.2	2.3	0.8	15.4
Caruthersville -----	-	8	4	1.0	8.6	0.9	1.6	6.8	21.9	24.0	45.7	0.3	0.7	9.5	

See footnotes at end of table.

Table 8 **Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.**

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry		1977											1972	
			All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			E ¹	Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)					
	Clayton	-		50	10	2.4	38.8	0.1	0.2	1.0	3.0	2.8	6.0	0.2	5.7
	Administrative and auxiliary	-		13	8	2.2	37.3	-	-	-	-	-	-	(NA)	(NA)
	Crestwood	-		32	15	2.1	31.1	1.6	3.2	20.3	41.9	42.8	84.9	1.5	31.6
	Creve Coeur	-		27	7	5.8	115.1	0.2	0.3	1.8	11.6	9.2	20.6	0.2	9.0
	De Soto	-		11	2	0.5	3.7	0.5	0.9	3.5	7.8	4.0	11.8	0.1	4.8
	Dexter	-		23	10	1.6	14.0	1.4	2.8	11.5	34.1	42.4	75.4	1.4	11.4
	Eldon	-		12	6	0.7	5.2	0.6	1.1	4.3	7.7	11.7	18.6	0.4	(NA)
	Excelsior Springs	-		16	5	0.8	6.8	0.7	1.2	4.9	13.7	17.7	31.1	1.1	9.6
	Farmington	-		15	7	1.2	8.4	0.9	1.5	5.0	13.0	9.4	22.6	0.3	7.2
	Grandview	-		53	17	1.9	20.1	1.3	2.6	11.9	43.3	46.7	89.8	2.1	24.0
	Hazelwood	-		36	17	4.2	81.3	3.4	7.9	61.7	367.3	864.9	1 227.4	(D)	242.2
	Hermann	-		15	4	0.7	5.5	0.7	1.3	4.8	12.6	11.7	24.3	0.8	(D)
	Independence	-		93	24	3.3	44.8	2.6	4.7	32.1	191.4	166.8	357.8	10.1	100.2
	Jefferson City	-		46	14	4.0	41.0	2.6	5.0	25.3	133.5	100.8	231.7	5.4	(D)
20	Food and kindred products	-		18	9	0.7	8.3	0.4	0.9	4.3	27.4	49.9	77.2	1.1	(NA)
35	Machinery, except electrical	-		36	11	1.7	22.5	1.4	2.6	16.5	42.2	29.2	70.7	3.4	(NA)
36	Electric and electronic equipment	-		5	3	0.8	7.4	0.6	1.2	5.0	13.3	10.6	24.0	(D)	(NA)
204	Kansas City	-		871	292	51.6	775.1	30.2	59.1	399.6	1 525.5	2 387.1	3 972.3	148.8	1 187.2
	Grain mill products	-		5	5	0.7	11.0	0.4	0.9	5.3	47.9	92.3	139.8	0.9	(NA)
23	Apparel and other textile products	-		54	20	2.9	24.4	2.4	3.9	17.3	41.8	39.0	80.5	0.4	31.2
233	Women's and misses' outerwear	-		24	15	2.4	19.9	2.0	3.2	14.4	33.5	26.1	59.6	0.3	(NA)
24	Lumber and wood products	E4		25	9	0.5	4.9	0.4	0.8	3.5	14.5	14.3	27.9	0.9	(NA)
254	Miscellaneous converted paper products	-		14	9	1.3	16.7	1.1	2.1	11.2	32.8	45.4	78.7	2.6	(NA)
27	Printing and publishing	-		217	49	10.0	140.6	4.1	7.4	50.2	212.4	172.5	449.0	8.7	275.4
275	Commercial printing	E1		107	22	1.7	23.6	1.1	2.3	14.2	37.1	25.4	62.3	1.5	(NA)
2752	Commercial printing, lithographic	-		49	15	1.2	19.0	0.7	1.7	11.0	30.1	20.4	50.2	(D)	(NA)
28	Chemicals and allied products	-		44	14	3.3	53.6	1.4	2.8	16.8	203.7	142.8	347.9	10.3	98.5
30	Rubber and miscellaneous plastics products	-		20	10	1.1	9.8	0.9	1.7	7.1	19.7	21.3	40.8	2.8	11.3
3079	Miscellaneous plastics products	-		18	9	1.0	9.4	0.9	1.7	6.8	18.8	20.7	39.2	2.8	(NA)
32	Stone, clay, and glass products	E2		39	12	0.7	9.2	0.5	1.0	5.8	20.4	22.3	42.6	1.8	12.7
34	Fabricated metal products	-		92	33	8.0	121.7	4.7	8.8	58.5	199.8	97.7	296.0	(D)	134.0
344	Fabricated structural metal products	-		33	15	1.8	25.0	1.2	2.4	14.3	65.1	70.8	134.8	1.1	(NA)
35	Machinery, except electrical	E1		92	22	1.6	21.2	1.2	2.2	13.7	41.2	41.5	83.2	1.5	62.5
353	Construction and related machinery	-		9	3	0.5	7.6	0.3	0.6	4.3	14.9	23.9	39.9	(D)	(NA)
359	Miscellaneous machinery, except electrical	E1		32	7	0.5	5.7	0.4	0.7	4.4	8.7	4.8	13.1	0.5	(NA)
3599	Machinery, except electrical, n.e.c.	E1		32	7	0.5	5.7	0.4	0.7	4.4	8.7	4.8	13.1	0.5	(NA)
39	Miscellaneous manufacturing industries	-		42	12	0.7	6.1	0.6	1.0	4.1	14.5	11.1	25.4	0.4	10.7
-	Administrative and auxiliary	-		40	24	4.2	64.8	-	-	-	-	-	-	-	(NA)
	Kirkwood	-		36	12	0.6	7.8	0.4	0.9	5.0	13.5	12.5	25.8	0.6	(NA)
	Lamar	-		15	3	0.7	7.0	0.6	1.1	4.2	15.1	13.9	27.6	1.4	(D)
	Lemay (U)	-		30	10	1.5	18.2	1.1	2.0	12.4	50.6	33.5	89.4	2.1	29.5
	Lexington	-		7	3	0.5	3.7	0.4	0.7	2.1	8.3	7.0	14.8	0.4	(NA)
	Liberty	-		17	5	0.5	5.7	0.2	0.4	2.0	21.6	17.4	38.8	0.7	8.1
	Malden	-		16	6	1.1	10.3	0.9	1.6	7.8	19.2	22.4	40.4	(D)	(D)
	Maplewood	-		31	6	1.7	25.5	1.1	2.1	14.0	56.4	42.4	101.7	2.9	39.1

See footnotes at end of table.

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry	1977												1972	
		E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
20	Marshfield -----	-	13	6	0.7	6.4	0.6	1.1	4.0	14.7	16.0	30.5	0.5	0.6	9.0
	Mexico -----	-	24	10	2.7	33.4	1.8	3.3	21.0	43.0	114.5	163.3	5.7	2.9	36.9
	Moberly -----	-	28	8	1.8	16.4	1.2	2.4	12.0	65.1	70.7	136.7	5.3	1.3	32.1
	Monett -----	-	31	14	2.0	16.2	1.6	2.8	10.8	33.3	134.5	168.1	1.6	1.4	10.4
	Food and kindred products --	-	7	4	0.8	5.3	0.7	1.2	4.4	17.2	97.6	114.2	1.0	(NA)	(NA)
	Neosho -----	-	44	15	2.5	23.7	2.1	3.6	16.7	54.6	77.4	132.4	3.8	1.5	20.7
	Nevada -----	-	16	7	0.8	8.8	0.6	1.3	6.1	33.2	31.5	63.3	(D)	0.7	9.4
	O'Fallon -----	-	18	6	0.7	8.8	0.6	1.2	6.3	13.6	12.5	26.0	(D)	0.6	9.7
	Olivette -----	-	19	10	1.6	23.8	0.9	1.7	9.3	53.7	37.5	90.5	1.3	1.1	29.5
	Overland -----	-	82	30	3.3	40.2	2.2	4.1	21.5	96.8	79.9	175.4	5.2	3.3	58.0
	Palmyra -----	-	9	3	0.5	3.7	0.4	0.8	2.8	12.7	18.6	31.1	0.2	(NA)	(NA)
	Poplar Bluff -----	-	39	13	1.6	10.9	1.4	2.0	8.5	23.6	19.4	42.4	1.2	1.3	18.1
	Raytown -----	-	38	9	0.6	6.6	0.5	1.0	4.6	12.2	7.8	19.9	0.6	(NA)	(NA)
	Rolla -----	-	20	8	0.9	8.9	0.7	1.6	5.8	22.6	27.3	49.3	3.8	0.6	9.4
	St. Charles -----	-	59	15	2.3	34.6	0.8	1.7	10.1	44.7	27.5	72.0	2.5	2.3	33.8
	St. Clair -----	-	15	6	0.5	4.7	0.4	0.7	3.6	9.5	15.0	24.5	0.3	(NA)	(NA)
	St. Joseph -----	-	93	44	7.2	86.1	5.3	10.2	57.2	268.7	398.4	664.6	24.7	(D)	(D)
20	Food and kindred products --	-	20	14	2.1	28.3	1.5	3.2	18.3	139.4	229.8	368.7	6.3	(NA)	(NA)
204	Grain mill products -----	-	8	6	1.3	17.3	1.0	2.1	11.9	113.8	141.6	256.1	5.5	(NA)	(NA)
28	Chemicals and allied products -----	-	10	6	0.8	9.8	0.5	1.0	4.4	21.7	35.5	57.4	(D)	(NA)	(NA)
34	Fabricated metal products ---	-	9	5	0.6	7.0	0.5	0.9	5.8	29.4	32.2	60.6	0.5	(NA)	(NA)
	St. Louis -----	-	1 307	527	92.6	1 374.0	63.5	124.1	854.7	2 899.4	4 548.7	7 429.5	(D)	(NA)	(NA)
20	Food and kindred products --	-	107	48	10.4	172.9	7.3	14.9	119.5	397.0	833.5	1 227.3	25.1	(NA)	(NA)
201	Meat products -----	-	22	8	1.2	19.4	0.9	2.6	12.8	31.9	192.6	223.4	1.8	(NA)	(NA)
205	Bakery products -----	-	22	7	2.2	31.1	1.5	2.7	19.8	80.5	55.2	135.6	5.2	(NA)	(NA)
2065	Confectionery products --	-	6	4	0.6	6.2	0.5	0.9	4.4	20.9	14.8	36.1	(D)	(NA)	(NA)
208	Beverages -----	-	14	9	4.3	88.2	3.2	6.2	66.9	188.8	322.6	509.1	13.5	(NA)	(NA)
2086	Bottled and canned soft drinks -----	-	8	3	0.6	10.6	0.2	0.5	3.1	11.5	22.8	34.2	(D)	(NA)	(NA)
209	Miscellaneous foods and kindred products -----	-	16	8	0.6	7.3	0.4	0.7	4.0	21.8	49.0	70.0	0.8	(NA)	(NA)
23	Apparel and other textile products -----	E1	92	48	4.5	37.8	3.7	6.4	24.6	84.2	83.5	168.1	(D)	(NA)	(NA)
2311	Men's and boys' suits and coats -----	-	6	5	0.5	5.2	0.5	0.8	3.9	7.9	10.8	18.6	(Z)	(NA)	(NA)
233	Women's and misses' outerwear -----	E2	16	10	1.3	11.1	1.1	1.9	7.8	24.9	20.3	44.5	(D)	(NA)	(NA)
2335	Women's and misses' dresses -----	-	9	5	0.6	4.6	0.5	0.9	3.7	9.8	4.3	14.0	(D)	(NA)	(NA)
235	Hats, caps, and millinery --	E1	12	6	0.6	3.9	0.5	0.8	2.7	4.8	4.8	10.1	(D)	(NA)	(NA)
239	Miscellaneous fabricated textile products -----	E2	37	12	0.7	5.8	0.6	1.0	3.9	10.7	13.4	24.1	(D)	(NA)	(NA)
25	Furniture and fixtures -----	-	43	19	2.2	22.8	1.9	3.5	16.1	47.4	44.1	90.2	1.9	(NA)	(NA)
259	Miscellaneous furniture and fixtures -----	-	12	7	0.6	6.5	0.5	1.0	4.6	13.4	8.5	21.6	(D)	(NA)	(NA)
2599	Furniture and fixtures, n.e.c. -----	-	9	7	0.6	6.4	0.5	1.0	4.5	13.3	8.3	21.3	(D)	(NA)	(NA)
265	Paperboard containers and boxes -----	-	22	14	1.1	13.9	0.8	1.5	8.3	24.3	42.2	66.1	2.0	(NA)	(NA)
27	Printing and publishing -----	-	235	57	7.3	110.4	4.8	8.7	68.5	198.3	109.6	308.3	9.0	(NA)	(NA)
275	Commercial printing -----	E1	145	28	2.6	37.8	2.0	3.8	27.5	66.6	44.8	110.5	3.6	(NA)	(NA)
2752	Commercial printing, lithographic -----	-	63	20	2.0	31.2	1.5	2.9	22.5	54.0	38.5	91.7	2.9	(NA)	(NA)
278	Blankbooks and bookbinding -----	-	17	8	0.9	10.0	0.7	1.4	7.2	16.4	7.9	24.5	0.6	(NA)	(NA)
28	Chemicals and allied products -----	-	97	44	9.1	123.8	5.1	9.5	69.6	441.4	502.2	937.1	46.8	(NA)	(NA)
283	Drugs -----	-	16	7	3.3	37.5	1.4	2.3	17.1	81.2	90.2	171.7	4.2	(NA)	(NA)
284	Soaps, cleaners, and toilet goods -----	-	23	12	1.6	22.8	1.2	2.2	15.5	128.9	146.3	271.5	3.8	(NA)	(NA)
2851	Paints and allied products -----	E1	16	7	0.5	7.5	0.3	0.5	3.0	18.8	27.3	46.5	0.3	(NA)	(NA)
289	Miscellaneous chemical products -----	-	20	9	0.8	9.9	0.4	0.7	4.3	24.0	25.1	49.0	(D)	(NA)	(NA)
2891	Adhesives and sealants --	-	10	5	0.5	7.3	0.3	0.6	3.6	18.1	19.3	36.8	(D)	(NA)	(NA)
30	Rubber and miscellaneous plastics products -----	-	42	17	1.7	18.8	1.3	2.4	12.0	42.0	44.7	86.3	3.3	(NA)	(NA)

See footnotes at end of table.

Table 8. **Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972—Con.**

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

excludes cities with 450 employees or more and industry groups with explanation of terms, see appendix B]															1972	
SIC code	City and industry	1977														
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ² (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)			
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)							
														All employees (1,000)	Value added by manufacture (million dollars)	
	St. Louis—Con.															
31	Leather and leather products -----	-	28	15	1.7	13.8	1.4	2.5	9.1	21.3	22.4	46.3	(D)	(NA)	(NA)	
3131	Boot and shoe cut stock and findings -----	-	12	5	0.5	3.2	0.4	0.8	2.4	4.9	5.4	10.3	(D)	(NA)	(NA)	
317	Handbags and other personal leather goods ---	-	5	3	0.8	6.3	0.7	1.1	4.3	7.3	5.0	14.9	(D)	(NA)	(NA)	
32	Stone, clay, and glass products -----	-	35	13	1.2	17.8	0.9	1.9	13.3	43.0	34.0	77.0	2.6	(NA)	(NA)	
329	Miscellaneous nonmetallic mineral products -----	-	15	6	0.6	7.9	0.4	0.9	5.7	12.6	15.1	26.2	1.3	(NA)	(NA)	
34	Fabricated metal products ---	-	159	75	11.7	171.9	9.0	18.0	121.9	330.5	438.9	765.8	24.2	(NA)	(NA)	
341	Metal cans and shipping containers -----	-	5	5	1.8	33.7	1.5	3.3	28.2	81.6	207.7	284.5	(D)	(NA)	(NA)	
3423	Hand and edge tools, n.e.c. -----	E2	11	9	0.6	7.5	0.4	0.9	5.4	13.1	6.3	19.0	0.2	(NA)	(NA)	
344	Fabricated structural metal products -----	-	51	21	4.6	65.2	3.6	7.0	46.9	114.5	128.3	245.1	7.9	(NA)	(NA)	
3443	Fabricated plate work (boiler shops) -----	-	13	10	3.4	50.1	2.8	5.3	37.1	83.5	97.9	184.4	5.2	(NA)	(NA)	
3444	Sheet metal work -----	-	12	5	0.8	9.4	0.6	1.1	6.1	18.7	19.8	38.1	(D)	(NA)	(NA)	
3451	Screw machine products -----	-	10	7	0.5	5.8	0.3	0.6	3.6	9.0	5.5	14.8	0.3	(NA)	(NA)	
346	Metal forgings and stampings -----	E2	15	7	0.9	12.9	0.7	1.4	8.9	21.2	21.5	42.4	3.5	(NA)	(NA)	
35	Machinery, except electrical ---	-	158	45	9.6	144.4	6.7	13.2	92.4	251.0	198.2	445.7	9.2	(NA)	(NA)	
353	Construction and related machinery -----	-	11	10	0.6	10.3	0.4	0.8	5.0	29.3	27.7	55.5	1.2	(NA)	(NA)	
354	Metalworking machinery -----	-	31	9	0.6	9.1	0.5	0.9	5.9	17.2	10.0	26.5	1.0	(NA)	(NA)	
355	Special industry machinery -----	-	20	3	0.7	12.7	0.5	1.0	7.8	29.3	17.0	48.3	0.8	(NA)	(NA)	
358	Refrigeration and service machinery -----	-	16	8	3.6	48.7	2.3	4.7	27.4	93.7	92.8	180.3	3.1	(NA)	(NA)	
359	Miscellaneous machinery, except electrical -----	-	62	10	3.7	58.6	2.9	5.3	43.4	72.3	36.1	110.8	2.4	(NA)	(NA)	
36	Electric and electronic equipment -----	-	33	15	4.5	48.4	3.8	6.4	30.3	123.4	53.7	175.2	4.3	(NA)	(NA)	
38	Instruments and related products -----	-	25	11	0.9	11.6	0.6	1.0	5.8	23.3	17.3	40.0	(D)	(NA)	(NA)	
384	Medical instruments and supplies -----	-	15	6	0.7	8.9	0.4	0.7	4.1	16.0	10.9	26.9	(D)	(NA)	(NA)	
39	Miscellaneous manufacturing industries -----	-	59	19	1.4	14.0	1.0	1.9	8.1	28.5	23.5	51.1	(D)	(NA)	(NA)	
399	Miscellaneous manufactures -----	-	35	10	0.6	7.9	0.5	0.9	4.9	13.3	10.1	23.4	(D)	(NA)	(NA)	
3993	Signs and advertising displays -----	-	21	9	0.5	6.3	0.4	0.7	3.8	9.7	6.8	16.5	(D)	(NA)	(NA)	
-	Administrative and auxiliary ---	-	57	29	7.2	134.6	-	-	-	-	-	-	-	(NA)	(NA)	
-	Springfield -----	-	251	79	17.4	193.5	12.9	24.0	131.8	479.1	984.4	1 457.6	23.8	16.3	232.7	
20	Food and kindred products ---	-	34	20	3.6	45.5	2.3	4.4	26.7	158.2	607.4	763.3	5.2	(NA)	(NA)	
202	Dairy products -----	-	5	5	1.9	25.2	1.2	2.3	15.6	91.3	479.7	565.9	1.7	(NA)	(NA)	
26	Paper and allied products ---	-	10	6	1.8	17.8	1.4	2.3	12.6	48.3	39.2	85.1	2.2	1.8	32.6	
37	Transportation equipment ---	-	11	5	0.6	8.4	0.5	1.0	5.6	14.2	20.3	34.3	(D)	(NA)	(NA)	
-	Union -----	-	17	5	0.8	4.4	0.5	0.9	3.4	5.8	10.3	16.9	0.2	1.6	15.6	
-	Valley Park -----	-	24	10	0.7	8.4	0.6	1.1	6.0	18.4	32.3	51.4	1.2	0.7	9.5	
-	Washington -----	-	36	18	2.8	27.1	2.2	4.3	20.1	63.3	67.7	130.2	1.6	1.8	39.3	
35	Machinery, except electrical ---	-	6	3	0.6	6.5	0.4	0.9	4.7	9.3	15.6	24.8	0.2	(NA)	(NA)	
-	Webster Groves -----	-	30	4	0.8	15.7	0.2	0.5	3.8	56.4	31.1	87.0	(D)	0.9	22.1	
-	Wellston -----	-	30	10	2.7	35.4	2.4	4.6	30.1	190.8	109.4	296.8	2.5	3.2	86.3	
-	West Plains -----	-	35	10	1.6	11.7	1.4	2.5	9.4	34.6	40.5	74.0	1.0	1.3	14.5	

Note: "City" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
MISSOURI	7355	637	1	22	372	733	196	150	1281	352	44	235	128	481	140	620	893	242	194	108	293	233
1 TO 4 EMPLOYEES	2924	219	1	5	93	422	75	25	687	118	14	73	22	195	26	178	402	75	74	43	142	35
5 TO 9 EMPLOYEES	1046	82	-	5	22	104	24	7	192	52	8	33	9	88	12	101	149	26	14	42	40	40
10 TO 19 EMPLOYEES	955	77	-	6	34	88	27	26	168	52	7	26	8	80	22	101	119	21	20	9	33	31
20 TO 49 EMPLOYEES	991	90	-	4	63	79	32	30	121	49	7	39	13	68	17	122	111	22	25	21	36	42
50 TO 99 EMPLOYEES	596	69	-	2	50	30	18	23	60	34	5	34	20	21	24	54	56	18	11	10	22	35
100 TO 249 EMPLOYEES	494	61	-	-	81	6	14	33	34	26	2	19	18	23	24	40	28	31	10	7	13	24
250 TO 499 EMPLOYEES	230	32	-	-	26	4	4	3	12	10	1	8	30	4	4	13	19	22	12	3	5	15
500 TO 999 EMPLOYEES	76	6	-	-	3	-	2	2	4	8	-	2	8	4	4	8	4	9	6	1	-	5
1000 TO 2499 EMPLOYEES	27	1	-	-	-	-	-	1	2	3	-	1	-	-	-	2	4	6	2	-	-	5
2500 EMPLOYEES AND OVER	16	1	-	-	-	-	-	-	1	1	-	-	-	-	1	1	1	2	8	-	-	1
ADAIR COUNTY	23	4	-	-	1	1	-	-	5	-	-	1	1	4	-	-	2	1	1	2	-	-
1 TO 19 EMPLOYEES	14	3	-	-	1	1	-	-	3	-	-	-	-	4	-	-	-	-	1	2	-	-
20 TO 99 EMPLOYEES	3	1	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	3	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	2	1	-	-	-	-
250 EMPLOYEES AND OVER	3	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
ANDREW COUNTY	5	1	-	-	-	1	-	-	1	1	-	-	-	1	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	5	1	-	-	-	1	-	-	1	1	-	-	-	1	-	-	-	-	-	-	-	-
ATCHISON COUNTY	13	3	-	-	1	3	-	-	3	-	-	-	-	2	-	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES	11	2	-	-	1	2	-	-	3	-	-	-	-	2	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AUDRAIN COUNTY	36	5	-	-	5	2	-	-	4	-	-	3	1	8	-	1	4	1	1	-	-	1
1 TO 19 EMPLOYEES	19	2	-	-	1	2	-	-	3	-	-	2	2	3	2	3	12	2	-	-	4	1
20 TO 99 EMPLOYEES	9	3	-	-	3	-	-	-	1	-	-	1	-	-	-	1	4	1	-	-	3	1
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	6	-	-	-	1	-	-	-	-	-	-	-	1	3	-	-	-	-	-	-	-	1
BARRY COUNTY	58	7	-	-	-	12	1	-	6	-	-	2	3	3	2	3	12	2	-	-	4	1
1 TO 19 EMPLOYEES	39	3	-	-	-	11	1	-	5	-	-	2	1	2	-	2	7	1	-	-	3	1
20 TO 99 EMPLOYEES	12	2	-	-	-	1	-	-	1	-	-	-	-	1	1	1	5	-	-	-	1	-
100 TO 249 EMPLOYEES	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
250 EMPLOYEES AND OVER	3	1	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	1	-	-	-	-
BARTON COUNTY	20	2	-	-	3	1	1	-	7	1	-	-	-	1	1	1	1	-	-	-	1	-
1 TO 19 EMPLOYEES	17	2	-	-	2	1	-	-	7	1	-	-	-	1	1	1	1	-	-	-	1	-
20 TO 99 EMPLOYEES	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BATES COUNTY	22	5	-	-	-	6	1	-	4	1	-	-	1	1	-	1	1	-	-	-	1	-
1 TO 19 EMPLOYEES	19	4	-	-	-	6	1	-	4	1	-	-	1	1	-	1	1	-	-	-	-	-
20 TO 99 EMPLOYEES	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BENTON COUNTY	17	2	-	-	1	6	-	-	2	-	-	-	-	3	-	2	1	-	-	-	-	-
1 TO 19 EMPLOYEES	14	2	-	-	-	4	-	-	2	-	-	-	-	3	-	2	1	-	-	-	-	-
20 TO 99 EMPLOYEES	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BOLLINGER COUNTY	24	-	-	-	1	20	1	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-
1 TO 19 EMPLOYEES	20	-	-	-	-	17	1	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-
20 TO 99 EMPLOYEES	3	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BOONE COUNTY	71	7	-	-	1	3	-	-	23	1	2	1	-	8	1	4	6	3	-	1	8	2
1 TO 19 EMPLOYEES	50	3	-	-	1	2	-	-	18	1	2	1	-	6	1	3	6	1	-	1	5	1
20 TO 99 EMPLOYEES	16	4	-	-	-	1	-	-	3	-	-	1	-	2	-	1	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BUCHANAN COUNTY	110	25	-	-	5	6	2	4	19	13	-	1	2	4	1	9	7	1	3	2	5	1
1 TO 19 EMPLOYEES	57	8	-	-	2	3	2	2	18	5	-	1	1	2	-	4	4	-	1	1	4	1
20 TO 99 EMPLOYEES	25	7	-	-	1	3	-	-	6	6	-	-	-	2	-	3	1	-	1	1	-	-
100 TO 249 EMPLOYEES	16	6	-	-	-	-	-	-	1	-	-	-	-	-	-	2	-	-	-	-	-	-
250 EMPLOYEES AND OVER	12	4	-	-	2	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977—Con.

Countries: 1977 Cont.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and plastic products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; plastics products; 36--electronic and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B)

[illegible]

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
COLE COUNTY.	46	2	-	-	1	3	-	-	13	4	-	-	1	7	-	4	6	1	-	1	1	2
1 TO 19 EMPLOYEES.	32	-	-	-	1	2	-	-	10	3	-	-	1	6	-	3	4	-	-	1	1	-
20 TO 99 EMPLOYEES.	6	2	-	-	-	1	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES.	4	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	1	-	-	2	-
250 EMPLOYEES AND OVER.	4	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	1	-	-	-	-
COOPER COUNTY.	16	2	-	-	1	3	-	-	3	1	-	1	-	1	-	-	1	1	1	-	-	-
1 TO 19 EMPLOYEES.	7	-	-	-	-	2	-	-	1	1	-	-	-	1	-	-	1	-	1	-	-	-
20 TO 99 EMPLOYEES.	6	1	-	-	1	1	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
CRAWFORD COUNTY.	41	-	-	-	1	12	-	-	5	3	-	-	5	6	-	2	3	2	2	-	-	-
1 TO 19 EMPLOYEES.	32	-	-	-	1	12	-	-	4	3	-	-	-	6	-	2	1	2	2	-	-	-
20 TO 99 EMPLOYEES.	6	-	-	-	-	-	-	-	1	-	-	-	3	-	-	-	2	-	-	-	-	-
100 TO 249 EMPLOYEES.	2	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DADE COUNTY.	8	1	-	-	2	-	-	-	3	1	-	-	-	1	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	6	1	-	-	2	-	-	-	3	1	-	-	-	1	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DALLAS COUNTY.	11	-	-	-	1	2	-	-	2	-	-	-	-	3	1	-	-	-	-	-	2	-
1 TO 19 EMPLOYEES.	10	-	-	-	-	2	-	-	2	-	-	-	-	3	1	-	-	-	-	-	2	-
20 TO 99 EMPLOYEES.	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DAVIESS COUNTY.	8	-	-	-	2	-	-	-	4	-	-	-	-	1	-	1	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	5	-	-	-	-	-	-	-	4	-	-	-	-	1	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	6	2	-	-	-	2	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
DE KALB COUNTY.	6	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	6	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DENT COUNTY.	23	1	-	-	2	11	-	-	1	5	-	-	1	-	1	1	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	16	1	-	-	-	10	-	-	-	4	-	-	-	-	-	1	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	3	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	3	-	-	-	1	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-
DOUGLAS COUNTY.	15	-	-	-	-	6	-	-	1	-	-	-	-	3	-	-	2	1	-	-	1	1
1 TO 19 EMPLOYEES.	13	-	-	-	-	6	-	-	1	-	-	-	-	3	-	-	2	-	-	-	1	1
20 TO 99 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DUNKLIN COUNTY.	42	6	-	-	3	5	-	-	9	1	-	1	1	4	-	4	6	2	-	-	-	-
1 TO 19 EMPLOYEES.	31	3	-	-	1	4	-	-	9	1	-	-	-	4	-	3	4	1	-	-	-	-
20 TO 99 EMPLOYEES.	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	4	-	-	-	1	1	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-
250 EMPLOYEES AND OVER.	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FRANKLIN COUNTY.	117	11	-	1	5	7	3	1	12	3	-	5	8	11	4	7	19	6	6	-	6	2
1 TO 19 EMPLOYEES.	68	9	-	-	-	5	2	-	10	2	-	2	1	11	-	4	13	2	3	-	3	1
20 TO 99 EMPLOYEES.	27	2	-	1	2	2	1	-	2	1	-	2	3	-	1	2	2	2	1	-	3	1
100 TO 249 EMPLOYEES.	18	-	-	-	-	-	-	-	-	-	-	-	2	-	3	1	3	2	-	-	-	-
250 EMPLOYEES AND OVER.	4	-	-	-	1	-	-	-	-	-	-	-	2	-	-	-	1	-	-	-	-	-
GASCONADE COUNTY.	31	4	-	-	-	5	1	-	3	1	-	3	4	3	-	1	4	-	1	-	-	-
1 TO 19 EMPLOYEES.	21	4	-	-	-	5	1	-	2	1	-	1	2	3	-	1	4	-	1	-	-	-
20 TO 99 EMPLOYEES.	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GENTRY COUNTY.	10	2	-	-	1	1	-	-	2	-	-	1	-	2	-	-	-	1	-	-	-	-
1 TO 19 EMPLOYEES.	7	1	-	-	-	1	-	-	2	-	-	1	-	2	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GREENE COUNTY.	285	39	-	-	8	26	9	10	49	10	-	4	1	22	1	24	29	10	14	3	20	6
1 TO 19 EMPLOYEES.	203	19	-	-	4	22	6	4	44	6	-	3	1	15	-	18	24	6	9	3	18	1
20 TO 99 EMPLOYEES.	52	11	-	-	3	3	1	1	2	3	-	-	-	6	1	4	4	-	4	-	2	1
100 TO 249 EMPLOYEES.	14	4	-	-	-	1	2	1	-	1	-	-	-	1	-	1	1	-	-	-	-	-
250 EMPLOYEES AND OVER.	16	5	-	-	1	-	-	1	3	-	-	1	-	-	-	-	-	1	1	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977—Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tab- lish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO ²
GRUNDY COUNTY.....	17	6	-	-	-	2	-	-	3	-	-	-	1	1	-	1	2	-	1	-	-	-
1 TO 19 EMPLOYEES.....	15	5	-	-	-	2	-	-	3	-	-	-	1	1	-	1	2	-	1	-	-	-
20 TO 99 EMPLOYEES.....	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.....	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HARRISON COUNTY.....	8	-	-	-	1	1	-	-	3	-	-	-	-	1	-	-	2	-	-	-	-	-
1 TO 19 EMPLOYEES.....	5	-	-	-	-	-	-	-	3	-	-	-	-	1	-	-	1	-	-	-	-	-
20 TO 99 EMPLOYEES.....	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.....	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.....	23	5	-	-	1	-	-	3	3	1	-	1	1	4	1	-	3	1	-	-	2	2
HENRY COUNTY.....	13	2	-	-	-	-	-	-	3	1	-	-	-	3	1	-	2	-	-	-	-	-
1 TO 19 EMPLOYEES.....	6	2	-	-	-	-	-	-	3	1	-	-	-	1	-	-	1	-	-	-	-	-
20 TO 99 EMPLOYEES.....	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.....	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.....	9	-	-	-	-	3	-	1	1	-	-	-	-	1	-	1	-	-	-	1	2	2
HICKORY COUNTY.....	9	-	-	-	-	3	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.....	4	-	-	-	-	-	-	-	1	1	-	1	-	-	1	-	-	-	-	-	-	-
HOLT COUNTY.....	4	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.....	13	-	-	-	2	3	-	4	4	-	-	-	-	1	-	1	1	-	-	-	-	1
HOWARD COUNTY.....	10	-	-	-	-	2	-	-	-	-	-	-	-	1	-	1	1	-	-	-	-	1
1 TO 19 EMPLOYEES.....	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.....	1	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.....	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.....	63	7	-	-	2	25	1	-	9	4	-	-	3	3	-	3	1	1	3	-	1	-
HOWELL COUNTY.....	44	5	-	-	1	19	1	-	8	4	-	-	-	3	-	2	1	-	1	-	-	-
1 TO 19 EMPLOYEES.....	12	2	-	-	1	6	-	-	1	-	-	-	1	1	-	1	-	-	1	-	-	-
20 TO 99 EMPLOYEES.....	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.....	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.....	20	1	-	-	2	8	-	-	2	-	-	1	-	2	2	1	1	-	-	-	-	-
IRON COUNTY.....	14	1	-	-	2	7	-	-	2	-	-	-	-	1	-	1	1	-	-	-	-	-
1 TO 19 EMPLOYEES.....	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.....	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.....	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.....	1143	72	-	5	61	43	35	25	253	49	9	39	5	60	28	127	155	40	25	23	50	39
JACKSON COUNTY.....	779	37	-	5	36	33	26	6	201	35	6	18	3	43	16	86	119	23	20	14	36	16
1 TO 19 EMPLOYEES.....	270	20	-	-	16	10	8	12	42	8	1	16	2	15	9	34	31	7	2	7	13	17
20 TO 99 EMPLOYEES.....	56	11	-	-	5	-	1	3	6	4	1	1	-	2	2	3	1	6	1	1	1	1
100 TO 249 EMPLOYEES.....	38	4	-	-	4	-	-	-	4	2	1	3	-	-	1	4	4	2	2	1	1	1
250 EMPLOYEES AND OVER.....	194	30	-	-	7	9	6	2	18	9	2	1	3	15	4	15	52	8	1	-	5	7
JASPER COUNTY.....	115	16	-	-	1	7	3	2	15	4	1	1	1	9	2	8	38	2	1	-	4	3
1 TO 19 EMPLOYEES.....	42	7	-	-	2	2	2	-	2	1	1	1	1	4	1	3	11	1	1	-	1	1
20 TO 99 EMPLOYEES.....	29	6	-	-	3	2	1	-	1	3	1	-	2	2	1	1	2	3	1	-	1	1
100 TO 249 EMPLOYEES.....	8	1	-	-	1	-	-	-	-	1	-	-	-	1	-	1	1	4	2	2	1	1
250 EMPLOYEES AND OVER.....	83	3	-	-	2	4	1	1	11	5	1	4	3	11	4	6	17	4	2	2	1	1
JEFFERSON COUNTY.....	66	3	-	-	2	3	1	-	9	4	1	3	1	1	1	2	16	4	1	1	1	1
1 TO 19 EMPLOYEES.....	9	-	-	-	1	1	-	-	2	1	-	-	-	1	-	-	1	-	-	-	-	-
20 TO 99 EMPLOYEES.....	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.....	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.....	26	2	-	-	3	2	-	-	5	1	-	-	-	6	2	-	3	1	-	-	1	1
JOHNSON COUNTY.....	19	2	-	-	1	2	-	-	4	1	-	-	-	6	1	-	3	1	-	-	1	1
1 TO 19 EMPLOYEES.....	4	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.....	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.....	7	-	-	-	1	1	-	-	1	1	-	-	1	1	-	-	-	-	-	-	-	-
KNOX COUNTY.....	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.....	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.....	43	4	-	-	4	5	1	-	2	-	-	-	1	4	-	2	8	1	5	1	1	1
LACLEDE COUNTY.....	25	2	-	-	1	1	1	-	2	-	-	-	1	4	-	-	6	1	1	1	1	1
1 TO 19 EMPLOYEES.....	11	1	-	-	1	1	1	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1
20 TO 99 EMPLOYEES.....	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.....	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.....	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 — Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
LAFAYETTE COUNTY 1 TO 19 EMPLOYEES	40	6	-	-	4	4	-	1	8	-	-	3	-	2	-	1	6	2	3	-	-	-
20 TO 99 EMPLOYEES	28	5	-	-	-	2	-	1	8	-	-	2	-	2	-	1	4	2	1	-	-	-
100 TO 249 EMPLOYEES	3	-	-	-	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
LAWRENCE COUNTY. 1 TO 19 EMPLOYEES	44	6	-	-	3	6	2	2	10	2	-	2	2	1	-	3	3	-	1	-	2	1
20 TO 99 EMPLOYEES	25	2	-	-	1	6	1	-	9	1	-	-	-	1	-	1	1	-	-	-	-	-
100 TO 249 EMPLOYEES	11	3	-	-	-	-	1	-	1	1	-	2	-	-	-	1	1	-	1	-	1	1
250 EMPLOYEES AND OVER	8	1	-	-	2	-	-	-	1	-	-	-	2	-	-	1	1	-	-	-	-	-
LEWIS COUNTY 1 TO 19 EMPLOYEES	6	-	-	-	-	1	-	-	2	-	-	-	-	1	1	-	1	-	-	-	-	-
20 TO 99 EMPLOYEES	5	-	-	-	-	1	-	-	2	-	-	-	-	1	1	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LINCOLN COUNTY 1 TO 19 EMPLOYEES	23	-	-	-	5	3	1	-	1	1	-	1	-	3	-	2	3	-	1	-	1	1
20 TO 99 EMPLOYEES	17	-	-	-	3	2	-	-	1	1	-	-	-	3	-	2	3	-	-	-	-	-
100 TO 249 EMPLOYEES	4	-	-	-	1	1	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
LINN COUNTY. 1 TO 19 EMPLOYEES	22	1	-	-	2	1	1	-	7	1	-	1	1	1	1	2	2	-	1	-	-	-
20 TO 99 EMPLOYEES	12	-	-	-	-	1	-	-	5	1	-	1	-	1	1	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES	6	1	-	-	1	-	-	-	1	-	-	-	-	-	-	2	1	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-
LIVINGSTON COUNTY. 1 TO 19 EMPLOYEES	23	5	-	-	4	6	-	-	2	-	-	-	-	2	-	1	2	-	1	-	-	-
20 TO 99 EMPLOYEES	12	3	-	-	-	4	-	-	2	-	-	-	-	-	-	1	1	-	-	-	-	-
100 TO 249 EMPLOYEES	7	2	-	-	2	1	-	-	-	-	-	-	-	2	-	-	1	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MC DONALD COUNTY 1 TO 19 EMPLOYEES	26	3	-	-	1	8	5	-	5	-	-	-	-	-	-	-	2	-	1	-	1	-
20 TO 99 EMPLOYEES	21	1	-	-	1	6	5	-	5	-	-	-	-	-	-	-	2	-	-	-	1	-
100 TO 249 EMPLOYEES	3	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MACON COUNTY 1 TO 19 EMPLOYEES	13	3	-	-	-	1	-	-	3	-	-	-	-	1	-	1	1	-	1	-	1	1
20 TO 99 EMPLOYEES	9	2	-	-	-	1	-	-	2	-	-	-	-	1	-	-	1	-	-	-	-	-
100 TO 249 EMPLOYEES	2	1	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADISON COUNTY 1 TO 19 EMPLOYEES	21	-	-	-	3	14	-	-	1	-	-	-	1	2	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	14	-	-	-	1	10	-	-	1	-	-	-	-	2	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	6	-	-	-	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MARIES COUNTY. 1 TO 19 EMPLOYEES	10	-	-	-	1	4	-	-	2	2	-	-	1	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	7	-	-	-	-	4	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MARTIN COUNTY. 1 TO 19 EMPLOYEES	32	3	-	-	1	2	1	1	5	3	-	1	1	5	1	1	5	1	-	-	-	-
20 TO 99 EMPLOYEES	20	3	-	-	-	1	1	1	2	2	1	1	1	4	1	1	4	1	-	-	1	1
100 TO 249 EMPLOYEES	8	-	-	-	-	1	-	-	1	-	-	-	-	1	-	-	1	-	-	-	-	-
250 EMPLOYEES AND OVER	3	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
MERCER COUNTY. 1 TO 19 EMPLOYEES	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-
20 TO 99 EMPLOYEES	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-
MILLER COUNTY. 1 TO 19 EMPLOYEES	29	4	-	-	3	7	-	-	6	2	1	-	-	-	-	1	-	-	2	1	1	-
20 TO 99 EMPLOYEES	18	4	-	-	1	3	-	-	5	2	1	-	-	-	-	1	-	-	1	1	1	-
100 TO 249 EMPLOYEES	8	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MISSISSIPPI COUNTY 1 TO 19 EMPLOYEES	14	1	-	-	1	-	-	-	3	-	-	-	1	-	-	1	5	-	-	-	-	-
20 TO 99 EMPLOYEES	10	1	-	-	1	-	-	-	3	-	-	-	-	-	-	1	3	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																		39	GAO ²	
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37			38
MONITEAU COUNTY.	22	3	-	-	2	1	4	-	2	1	-	-	1	2	-	2	1	-	1	-	2	-
1 TO 19 EMPLOYEES.	15	1	-	-	-	1	4	-	2	1	-	-	-	2	-	-	1	-	-	-	-	-
20 TO 99 EMPLOYEES.	3	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	2	-
100 TO 249 EMPLOYEES.	3	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
MONROE COUNTY.	11	4	-	-	1	-	-	-	2	-	-	-	-	1	2	-	-	-	-	-	1	-
1 TO 19 EMPLOYEES.	8	4	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTGOMERY COUNTY.	24	3	-	1	1	4	-	-	2	1	-	-	1	4	1	3	1	-	1	-	1	-
1 TO 19 EMPLOYEES.	16	1	-	-	-	4	-	-	2	1	-	-	-	2	1	2	1	-	-	-	1	-
20 TO 99 EMPLOYEES.	5	2	-	1	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MORGAN COUNTY.	26	3	-	-	3	2	-	-	2	-	-	1	1	3	1	1	5	-	2	1	1	-
1 TO 19 EMPLOYEES.	21	3	-	-	1	-	-	-	2	-	-	1	1	3	1	1	5	-	2	-	1	-
20 TO 99 EMPLOYEES.	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
100 TO 249 EMPLOYEES.	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	16	-	-	-	-	1	-	1	2	1	-	1	-	-	1	-	3	-	-	-	1	2
NEW MADRID COUNTY.	9	-	-	-	-	1	1	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	4	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEWTON COUNTY.	64	10	-	-	4	13	2	-	9	2	-	2	-	3	1	2	8	3	2	1	2	-
1 TO 19 EMPLOYEES.	46	5	-	-	2	11	1	-	8	1	-	2	-	3	-	2	6	1	1	1	2	-
20 TO 99 EMPLOYEES.	11	4	-	-	1	2	-	-	1	-	-	-	-	-	-	-	1	1	-	-	-	-
100 TO 249 EMPLOYEES.	2	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NODAWAY COUNTY.	23	4	-	-	-	1	-	1	3	-	-	1	-	2	2	1	3	5	4	-	-	-
1 TO 19 EMPLOYEES.	15	3	-	-	-	-	-	-	2	-	-	-	-	2	2	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	5	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OREGON COUNTY.	14	2	-	-	-	8	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	12	2	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OSAGE COUNTY.	19	3	-	-	2	1	-	-	2	2	-	1	-	2	-	1	-	1	1	2	1	-
1 TO 19 EMPLOYEES.	14	3	-	-	1	1	-	-	2	1	-	1	-	-	-	1	-	1	1	-	1	-
20 TO 99 EMPLOYEES.	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OZARK COUNTY.	10	-	-	-	-	7	-	-	1	1	-	1	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PEMISCOT COUNTY.	19	3	-	-	1	1	-	-	3	1	-	-	1	3	1	-	2	-	2	1	1	-
1 TO 19 EMPLOYEES.	13	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PERRY COUNTY.	28	5	-	-	-	8	-	-	4	-	-	2	-	1	-	1	2	-	3	2	1	-
1 TO 19 EMPLOYEES.	23	5	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PETTIS COUNTY.	44	8	-	-	2	5	-	-	4	1	-	1	-	5	1	3	6	3	2	1	-	-
1 TO 19 EMPLOYEES.	21	3	-	-	-	2	-	-	2	1	-	-	-	4	-	2	3	1	-	-	-	-
20 TO 99 EMPLOYEES.	14	4	-	-	1	-	-	-	-	-	-	-	-	1	-	1	2	-	1	-	-	-
100 TO 249 EMPLOYEES.	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHELPS COUNTY.	31	6	-	-	2	7	-	-	4	-	-	3	-	4	-	-	-	1	1	3	2	-
1 TO 19 EMPLOYEES.	21	3	-	-	-	6	-	-	3	-	-	2	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	6	2	-	-	-	1	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977—Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																		CAO's	
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
PIKE COUNTY.	24	2	-	-	-	3	-	2	3	2	1	2	-	3	1	3	1	1	-	-	-
1 TO 19 EMPLOYEES.	17	2	-	-	-	3	-	1	3	1	1	1	-	2	1	1	1	-	-	-	-
20 TO 99 EMPLOYEES.	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PLATTE COUNTY.	19	1	-	-	-	1	-	-	4	1	1	2	-	-	1	-	4	1	1	-	3
1 TO 19 EMPLOYEES.	12	-	-	-	-	1	-	-	4	1	-	-	-	-	-	-	2	1	1	-	2
20 TO 99 EMPLOYEES.	5	1	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	1
100 TO 249 EMPLOYEES.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
250 EMPLOYEES AND OVER.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
POLK COUNTY.	27	6	-	-	2	-	-	3	6	-	-	-	-	4	-	1	3	1	-	-	1
1 TO 19 EMPLOYEES.	21	4	-	-	-	-	-	3	5	-	-	-	-	4	-	1	3	1	-	-	-
20 TO 99 EMPLOYEES.	4	2	-	-	-	-	-	-	1	-	-	-	-	4	-	1	3	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PULASKI COUNTY.	20	1	-	-	1	4	2	-	4	-	-	-	1	3	-	1	-	1	2	-	-
1 TO 19 EMPLOYEES.	14	1	-	-	3	2	-	-	3	-	-	-	-	1	-	1	-	-	-	-	-
20 TO 99 EMPLOYEES.	4	-	-	-	-	-	-	-	1	-	-	1	-	2	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PUTNAM COUNTY.	3	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-
1 TO 19 EMPLOYEES.	3	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-
RALLS COUNTY.	12	1	-	-	1	2	1	-	1	-	-	1	-	1	-	1	1	-	-	-	1
1 TO 19 EMPLOYEES.	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	4	1	-	-	1	-	-	-	-	-	-	1	-	1	-	1	-	-	-	-	-
250 EMPLOYEES AND OVER.	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RANDOLPH COUNTY.	34	8	-	-	5	-	-	-	4	2	1	-	-	4	-	2	3	2	1	-	1
1 TO 19 EMPLOYEES.	26	7	-	-	4	-	-	-	3	1	1	-	-	4	-	2	3	-	-	-	-
20 TO 99 EMPLOYEES.	4	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RAY COUNTY.	14	4	-	-	1	-	-	-	4	1	1	2	-	-	-	1	1	-	-	-	-
1 TO 19 EMPLOYEES.	10	4	-	-	1	-	-	-	3	1	-	-	-	-	-	-	1	-	-	-	-
20 TO 99 EMPLOYEES.	3	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
REYNOLDS COUNTY.	30	-	-	-	27	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES.	29	-	-	-	27	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RIPLEY COUNTY.	35	-	-	-	28	-	-	-	2	-	-	1	-	1	-	-	-	-	2	-	-
1 TO 19 EMPLOYEES.	33	-	-	-	-	-	-	-	2	-	-	-	-	1	-	-	-	-	2	-	-
20 TO 99 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ST. CHARLES COUNTY.	112	5	-	-	8	2	2	2	15	4	1	3	-	9	8	9	26	3	6	2	3
1 TO 19 EMPLOYEES.	79	4	-	-	8	2	2	-	12	2	1	2	-	7	2	6	19	2	5	1	4
20 TO 99 EMPLOYEES.	24	1	-	-	1	-	-	1	2	-	-	1	-	2	2	3	6	-	1	1	1
100 TO 249 EMPLOYEES.	6	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-
250 EMPLOYEES AND OVER.	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ST. CLAIR COUNTY.	4	1	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	4	1	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
ST. FRANCOIS COUNTY.	47	5	-	-	9	3	3	-	6	1	1	-	3	7	1	2	4	1	1	-	2
1 TO 19 EMPLOYEES.	33	4	-	-	8	3	-	-	5	1	-	-	1	5	1	2	4	-	-	-	-
20 TO 99 EMPLOYEES.	11	1	-	-	1	-	-	-	1	-	-	-	1	1	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ST. LOUIS COUNTY.	1285	54	-	2	44	37	43	37	233	80	9	55	13	65	22	129	193	65	27	35	64
1 TO 19 EMPLOYEES.	851	34	-	2	30	32	26	14	187	51	6	34	8	41	15	74	132	42	17	21	51
20 TO 99 EMPLOYEES.	298	11	-	-	8	3	11	12	35	19	3	17	4	23	4	44	46	10	1	12	8
100 TO 249 EMPLOYEES.	77	7	-	-	6	1	5	11	8	4	-	2	1	1	2	5	6	7	1	1	3
250 EMPLOYEES AND OVER.	59	2	-	-	-	1	1	-	3	6	-	2	-	-	1	6	9	6	8	1	2

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977—Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																					
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's	
STE. GENEVIEVE COUNTY.	17	3	-	-	1	4	-	-	2	-	-	-	1	3	-	-	3	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	11	3	-	-	-	2	-	-	1	-	-	-	-	2	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	4	-	-	-	1	1	-	-	-	-	-	-	1	1	-	-	-	1	1	-	-	-	2
SALINE COUNTY.	26	8	-	-	1	1	-	-	3	-	-	-	1	2	-	1	4	1	1	-	-	-	1
1 TO 19 EMPLOYEES.	15	3	-	-	-	-	-	-	2	-	-	-	-	1	-	-	4	-	-	-	-	-	1
20 TO 99 EMPLOYEES.	5	3	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	1
100 TO 249 EMPLOYEES.	3	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-
250 EMPLOYEES AND OVER.	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SCHUYLER COUNTY.	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SCOTLAND COUNTY.	6	1	-	-	1	-	-	-	1	-	-	-	-	-	1	-	2	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	5	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SCOTT COUNTY.	46	5	-	-	5	6	-	1	5	1	-	-	2	6	2	5	3	-	2	-	-	-	1
1 TO 19 EMPLOYEES.	31	2	-	-	2	5	-	-	4	1	-	-	1	4	1	3	3	-	2	-	-	-	1
20 TO 99 EMPLOYEES.	7	2	-	-	-	1	-	1	1	-	-	-	-	2	1	1	-	-	-	-	-	-	1
100 TO 249 EMPLOYEES.	6	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	2	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
SHANNON COUNTY.	27	-	-	-	2	17	-	-	4	-	-	-	1	1	-	-	1	1	-	-	-	-	-
1 TO 19 EMPLOYEES.	22	-	-	-	-	15	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	3	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHELBY COUNTY.	9	1	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES.	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STODDARD COUNTY.	49	6	-	-	5	14	-	-	8	-	-	-	2	3	2	4	3	1	2	-	-	-	1
1 TO 19 EMPLOYEES.	33	5	-	-	2	11	-	-	7	-	-	-	-	2	1	-	2	1	-	-	-	-	1
20 TO 99 EMPLOYEES.	9	1	-	-	-	3	-	-	1	-	-	-	-	1	-	-	1	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	5	-	-	-	1	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-
STONE COUNTY.	15	1	-	-	4	-	-	-	2	-	-	-	-	2	1	-	-	-	2	-	-	-	-
1 TO 19 EMPLOYEES.	10	1	-	-	1	-	-	-	2	-	-	-	-	2	1	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	3	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SULLIVAN COUNTY.	4	2	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TANEY COUNTY.	24	5	-	-	1	4	-	-	3	2	-	-	-	1	-	-	2	1	-	1	-	-	-
1 TO 19 EMPLOYEES.	20	5	-	-	-	-	-	-	1	1	-	-	-	1	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	4	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXAS COUNTY.	58	5	-	-	3	33	1	-	5	2	-	-	2	6	-	1	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	46	4	-	-	-	28	1	-	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	2	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	4	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VERNON COUNTY.	20	3	-	-	2	3	1	-	3	-	-	2	-	3	-	1	1	-	-	-	-	-	-
1 TO 19 EMPLOYEES.	12	2	-	-	-	-	-	-	1	-	-	-	-	2	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	5	1	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WARREN COUNTY.	25	2	-	-	1	3	2	-	4	-	-	2	1	3	1	2	1	-	1	-	-	-	-
1 TO 19 EMPLOYEES.	16	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES.	8	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
WASHINGTON COUNTY	12	-	-	-	-	6	-	-	1	1	-	-	1	2	-	-	1	-	-	-	-
1 TO 19 EMPLOYEES	10	-	-	-	-	5	-	-	1	1	-	-	-	2	-	-	1	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
WAYNE COUNTY	39	1	-	-	1	27	-	-	2	-	-	4	-	1	-	1	2	-	-	-	-
1 TO 19 EMPLOYEES	35	1	-	-	-	25	-	-	2	-	-	3	-	1	-	1	2	-	-	-	-
20 TO 99 EMPLOYEES	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEBSTER COUNTY	25	4	-	-	2	5	-	-	2	-	-	-	-	2	-	2	1	1	3	-	2
1 TO 19 EMPLOYEES	17	4	-	-	1	4	-	-	2	-	-	-	-	2	-	1	1	2	-	-	1
20 TO 99 EMPLOYEES	4	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1
100 TO 249 EMPLOYEES	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	1
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
WORTH COUNTY	2	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WRIGHT COUNTY	19	3	-	-	1	8	-	-	3	-	-	-	2	1	-	-	-	-	1	-	-
1 TO 19 EMPLOYEES	14	2	-	-	-	8	-	-	3	-	-	-	-	1	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	3	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	1	-	-
INDEPENDENT CITY																					
ST. LOUIS (INDEPENDENT CIT	1307	107	1	13	92	20	43	41	235	97	10	42	28	35	24	159	158	33	28	25	59
1 TO 19 EMPLOYEES	780	59	1	9	44	12	24	19	178	53	6	25	13	22	5	84	113	18	13	14	40
20 TO 99 EMPLOYEES	362	28	-	4	35	8	13	14	44	28	4	13	12	9	8	50	33	7	11	9	15
100 TO 249 EMPLOYEES	98	11	-	-	9	-	4	8	8	8	-	4	2	4	6	14	6	5	1	1	3
250 EMPLOYEES AND OVER	67	9	-	-	4	-	2	-	5	8	-	-	1	-	5	11	6	3	3	1	8

Note: Data on number of establishments by employment size class by 4-digit SIC industry for States, counties, and selected cities are presented in Location of Manufacturing Plants data series. This series is available only on computer tape (see Introduction).

- Represents zero.

¹ Only those counties and size classes that include data for manufacturing establishments are shown.

Montana

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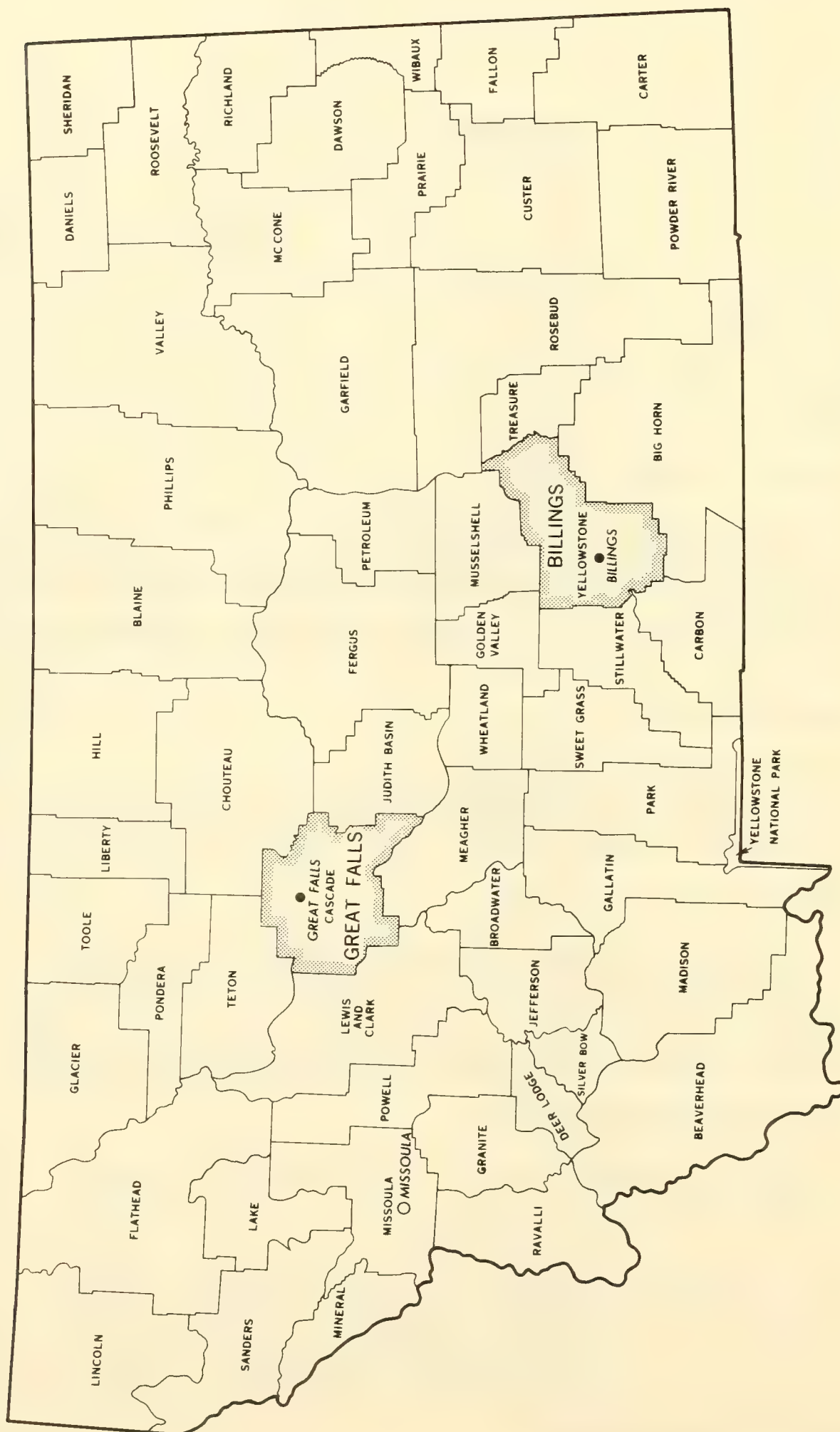
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MONTANA

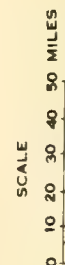


LEGEND

- Places of 50,000 to 100,000 inhabitants
- Places of 25,000 to 50,000 inhabitants outside SMSA's



Standard Metropolitan Statistical Areas (SMSA's)



SUMMARY OF FINDINGS

In 1977, 23.5 thousand persons were employed in Montana's manufacturing establishments. This figure represented an increase of 10 percent from the 1972 figure of 21.4 thousand workers.

The total value added by manufacture for the State amounted to \$802 million in 1977, an increase of approximately 73 percent from the 1972 figure of \$463 million. All dollar figures in this report are in current dollars and are, therefore, not adjusted for changes in price levels.

In the State, the most important industry groups ranked by employment were lumber and wood products, primary metal industries, food and kindred products, and printing and publishing. They accounted for approximately 80 percent of the State's 1977 employment. These same industry groups were in the forefront for 1972 when they accounted for approximately 75 percent of the State's employment.

The most important counties in the State ranked by employment were Missoula, Yellowstone, Flathead, and Cascade. They accounted for approximately 59 percent of the State's 1977 manufacturing employment. The order has shifted from 1972 when Yellowstone, Flathead, Missoula, and Cascade accounted for approximately 54 percent of the State's employment.

The methods of data collection and use of administrative records data are discussed in detail in the Introduction. Small single-unit companies with up to 20 employees (the cutoff varied by industry) were excluded from the mail portion of the census. For these establishments (and a small number of larger establishments whose reports were not received in time to be tabulated), statistics on payrolls and receipts were obtained from administrative records of other government agencies. Other statistics were developed from industry averages. For this State, these establishments accounted for 6 percent of the total value of shipments.

Table 1. Historical Employment Statistics for Operating Manufacturing Establishments and Central Administrative Offices: 1977 and Earlier Years

(For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

State, standard metropolitan statistical area, and year	All establishments		Operating manufacturing establishments		Central administrative offices and auxiliaries ¹	
	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)	Employees (1,000)	Payroll (million dollars)
Montana:						
1977.....	23.5	311.8	23.4	310.1	.1	1.7
1972.....	21.4	184.6	21.3	183.3	.1	1.3
1967.....	20.4	129.5	(D)	(D)	(D)	(D)
1963.....	20.2	109.3	(D)	(D)	(D)	(D)
STANDARD METROPOLITAN STATISTICAL AREAS						
Billings:						
1977.....	4.0	55.0	(D)	(D)	(D)	(D)
1972.....	3.2	30.9	(D)	(D)	(D)	(D)
1967.....	2.7	19.3	(D)	(D)	(D)	(D)
1963.....	2.5	15.5	(D)	(D)	(D)	(D)
Great Falls:						
1977.....	1.8	24.7	(D)	(D)	(D)	(D)
1972.....	2.5	21.5	(D)	(D)	(D)	(D)
1967.....	2.5	16.1	(D)	(D)	(D)	(D)
1963.....	2.9	15.9	(D)	(D)	(D)	(D)

(D) Withheld to avoid disclosing operations of individual companies.

¹Defined in appendix B. Data for these establishments are included at the total manufacturing level in each table in this report. Data for these establishments are shown separately in tables 5 and 9 and included in State, SMSA, county, or city totals in other tables.

Table 2a. Historical Statistics for the State and Selected Standard Metropolitan Statistical Areas: 1977 and Earlier Years

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Table A-1. SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see page 1.											Comparative indexes and U.S. employment				
Year	Establishments ¹		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materials ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expendi- tures (million dollars)	Index of U.S. manufacturing employment		United States	
	Total (no.)	Non- farm (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)					Percent of U.S. manu- facturing employ- ment (per- cent)	Index of State em- ploy- ment change (1977= 100)	Index of manufac- turing employ- ment change (1977= 100)	U.S. manu- facturing employ- ment (1,000)
	MONTANA														
1977 Census..	1,168	NA	23.5	311.8	18.4	35.9	236.0	802.2	1,872.3	2,669.9	97.8	.12	100	100	19,596.9
1976 ASM.....	NA	NA	22.7	269.8	16.9	34.0	202.7	771.1	1,778.9	2,524.9	85.6	.12	92	96	18,753.0
1975 ASM.....	NA	NA	20.5	226.7	15.7	29.6	166.3	531.6	1,646.3	2,202.0	76.3	.11	87	93	18,302.2
1974 ASM.....	NA	NA	20.9	276.8	16.1	29.7	148.3	610.6	1,688.8	2,217.4	99.8	.11	89	101	19,844.8
1973 ASM.....	NA	NA	21.0	195.1	17.2	33.5	145.8	515.2	1,316.6	1,793.7	66.3	.11	92	102	19,897.9
1972 Census..	943	NA	21.1	184.0	17.1	33.6	137.7	462.5	1,129.6	1,596.7	75.8	.11	91	97	19,028.7
1971 ASM.....	NA	NA	19.7	158.3	15.4	30.9	118.8	330.4	882.2	1,232.0	50.4	.11	85	94	18,363.1
1970 ASM.....	(NA)	NA	18.7	151.6	15.8	31.6	114.3	357.1	896.0	1,217.3	42.3	.10	86	98	19,217.2
1969 ASM.....	NA	NA	21.1	185.5	17.8	35.3	118.7	359.1	889.2	1,256.3	26.3	.11	94	102	20,035.5
1968 ASM.....	(NA)	NA	21.1	153.0	16.9	34.3	108.7	353.7	741.5	1,083.1	35.9	.11	90	100	19,527.6
1967 Census..	923	191	21.1	129.5	16.1	32.1	96.4	311.6	660.2	967.3	68.9	.11	87	99	19,323.2
1966 ASM.....	NA	NA	21.9	132.3	17.2	33.3	98.3	304.2	797.4	1,093.5	31.3	.12	93	97	19,024.5
1965 ASM.....	NA	NA	20.9	122.8	16.6	32.9	91.9	280.3	721.3	997.9	31.2	.12	89	92	18,010.2
1964 ASM.....	NA	NA	20.1	115.9	16.3	33.0	88.6	273.8	658.0	935.1	41.9	.12	87	88	17,268.5
1963 Census..	976	182	21.2	109.3	16.0	31.7	82.8	236.2	(NA)	(NA)	38.6	.12	86	87	16,958.4

NA Not available.
¹In annual survey of manufactures (ASM) years, data are estimates based on a representative sample of establishments canvassed annually and may differ from results of a complete canvass of all establishments. ASM publication shows percentage standard errors. Unless otherwise noted, for data prior to 1963, see 1963 Census of Manufactures, vol. III, table 1 of State chapter.
²Including central administrative offices and auxiliaries for definition, see appendix B).
³Aggregate of cost of materials and value of shipments for industry groups 2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others see appendix B.

Table 2b. Selected Operating Ratios for the State and Selected Standard Metropolitan Statistical Areas: 1977 and Earlier Years

(Includes SCSA's and SMSA's with 40,000 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B)

Year ¹	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials as percent of value of shipments (percent)	Cost of materials and payroll as percent of value of shipments (percent)	Value added per employee (dollars)	Payroll as percent of value added (percent)	Value added per production worker hour (dollars)
MONTANA									
1977 Census.....	13,306	79	1,951	6.57	71	82	35,530	37	23.21
1976 ASM.....	12,433	78	2,012	5.96	70	81	35,535	35	22.68
1975 ASM.....	11,059	77	1,885	5.62	75	85	25,932	43	17.96
1974 ASM.....	9,895	77	1,845	4.99	76	85	29,215	34	20.56
1973 ASM.....	9,032	80	1,948	4.35	73	84	23,852	38	15.38
1972 Census.....	8,626	80	1,965	4.10	71	82	21,612	40	13.76
1971 ASM.....	7,965	77	2,006	3.84	72	84	16,603	48	10.69
1970 ASM.....	7,542	79	2,000	3.62	74	86	17,766	42	11.30
1969 ASM.....	7,036	81	1,983	3.36	71	83	16,249	43	10.17
1968 ASM.....	6,745	80	2,030	3.17	68	82	16,684	40	10.31
1967 Census.....	6,348	79	1,994	3.00	68	82	15,275	42	9.71
1966 ASM.....	6,041	79	1,936	2.95	73	85	13,890	43	9.14
1965 ASM.....	5,876	79	1,982	2.79	72	85	13,411	44	8.52
1964 ASM.....	5,681	80	2,025	2.68	70	83	13,422	42	8.30
1963 Census.....	5,411	79	1,981	2.61	(NA)	(NA)	11,693	46	7.45

Note: For qualifications to data, see footnotes on table 2a.
 (NA) Not available.

Table 3a. Summary Statistics for the State: 1977 and 1972

[For explanation of terms, see appendix B]

Item	Unit of measure	1977	1972
All establishments ¹ -----	number -----	1 168	943
With 1 to 19 employees -----	do -----	966	737
With 20 to 99 employees -----	do -----	157	166
With 100 employees or more -----	do -----	45	40
All employees, average for year ¹ -----	1,000 -----	23.5	21.4
Payroll for year, all employees ¹ -----	mil. dollars --	311.8	184.6
Production workers:			
Average for year -----	1,000 -----	18.4	17.1
March -----	do -----	17.5	16.6
May -----	do -----	18.3	17.1
August -----	do -----	19.0	17.5
November -----	do -----	18.8	17.2
Hours -----	millions -----	35.9	33.6
January to March -----	do -----	8.8	8.3
April to June -----	do -----	8.9	8.4
July to September -----	do -----	9.1	8.6
October to December -----	do -----	9.1	8.3
Wages-----	mil. dollars --	236.0	137.7
Cost of materials, etc. ² -----	do -----	1 872.3	1 129.6
Materials, parts, containers, etc., consumed -----	do -----	1 648.0	1 036.8
Resales-----	do -----	101.2	42.6
Fuels consumed -----	do -----	47.2	17.6
Purchased electric energy -----	do -----	29.2	19.4
Contract work -----	do -----	46.8	13.2
Value of shipments, including resales ² -----	do -----	2 669.9	1 596.7
Value of resales -----	do -----	118.0	46.5
Value added by manufacture -----	do -----	802.2	462.5
Manufacturers' inventories:			
Beginning of year -----	do -----	334.2	168.4
Finished products -----	do -----	117.4	61.7
Work in process -----	do -----	131.4	58.3
Materials, supplies, fuel, etc. -----	do -----	85.4	48.4
End of year -----	do -----	351.5	161.8
Finished products -----	do -----	140.7	60.4
Work in process -----	do -----	112.7	54.0
Materials, supplies, fuel, etc. -----	do -----	98.1	47.4
Capital expenditures for plant and equipment -----	do -----	103.6	84.4
New capital expenditures -----	do -----	97.8	75.8
New buildings and other structures-----	do -----	8.7	22.7
New machinery and equipment-----	do -----	89.2	53.1
Used capital expenditures -----	do -----	5.8	8.6

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies.

¹Including central administrative offices and auxiliaries (for definition, see appendix B).

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 3b. Supplemental State Statistics Based on Sample Estimates: 1977

(For explanation of terms, see appendix B. For description of annual survey of manufactures (ASM), see appendix F)

Item	Amount (million dollars)	Standard error of estimate (percent)	Item	Amount (million dollars)	Standard error of estimate (percent)
Gross value of depreciable assets:			Rental payments:		
Total:			Total.....	(4.2)	43
Beginning of year.....	1,013.1	2	Buildings and other structures.....	(S)	(X)
New capital expenditures.....	95.5	5	Machinery and equipment.....	(S)	(X)
Used capital expenditures.....	(8.5)	30			
Retirements.....	28.2	4	Depreciation charges during 1977:		
End of year.....	1,089.0	2	Total.....	50.9	3
Buildings and other structures:			Buildings and other structures.....	7.6	11
Beginning of year.....	234.7	3	Machinery and equipment.....	43.2	3
New capital expenditures.....	7.7	14			
Used capital expenditures.....	2.0	1	Supplemental labor costs:		
Retirements.....	10.7	5	Total.....	62.3	2
End of year.....	233.6	3	Legal costs.....	26.9	3
Machinery and equipment:			Voluntary costs.....	35.4	2
Beginning of year.....	778.5	2			
New capital expenditures.....	87.8	5	Purchased services:		
Automobiles, trucks, etc., for highway use...	(3.2)	(NA)	Cost of purchased services for the repair of--		
Computers and peripheral data processing equip.	(.7)	(NA)	Buildings and other structures.....	(1.6)	25
All other.....	(75.8)	(NA)	Response coverage ratio (percent).....	60	(X)
New machinery and equipment, n.s.k.....	8.2	(NA)	Machinery.....	(22.2)	18
Used capital expenditures.....	(6.5)	39	Response coverage ratio (percent).....	57	(X)
Retirements.....	17.4	6	Cost of purchased communication services.....	(2.2)	37
End of year.....	855.4	2	Response coverage ratio (percent).....	59	(X)

Note: Expenditures data, shown in tables 2a, 3a, and 4-8, are census universe figures and may differ from ASM sample estimates shown in this table. Table 3b figures represent best estimate of year-to-year change as measured by continuing ASM sample, but are subject to sampling errors. Hence, as estimates of level, they are not as reliable as universe figures.

Figures in parentheses have standard errors of 15 percent or more. (NA) Not available. n.s.k. Not specified by kind. (S) Withheld because estimate did not meet publication standards. (X) Not applicable.

Table 4. All Manufacturing Statistics for the State, Standard Metropolitan Statistical Areas, Counties, and Selected Cities: 1977 and 1972

[Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

Includes cities with 450 manufacturing employees or more. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B.														
Geographic area	1977											1972		
	E ¹	All establishments ²		All employees ²		Production workers			Value added by manu- facture (million dollars)	Cost of materi- als ³ (million dollars)	Value of ship- ments ³ (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manu- facture (million dollars)
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil- lions)	Wages (million dollars)						
Montana	-	1 168	202	23.5	311.8	18.4	35.9	236.0	802.2	1 872.3	2 669.9	97.8	21.4	462.5
STANDARD METROPOLITAN STATISTICAL AREAS														
Billings	-	140	38	4.0	55.0	2.8	5.5	37.8	180.3	786.4	953.6	(D)	3.2	87.7
Great Falls	-	65	18	1.8	24.7	1.3	2.3	15.7	42.6	259.0	308.7	(D)	2.5	58.0
COUNTIES														
Beaverhead	E5	16	2	0.2	1.7	0.2	0.3	1.5	3.1	5.9	8.8	(D)	(Z)	(NA)
Big Horn	E0	7	-	(Z)	0.2	(Z)	(Z)	0.1	0.5	0.4	0.9	(Z)	(D)	(D)
Blaine	E5	5	-	(Z)	0.1	(Z)	(Z)	0.1	0.2	0.4	0.7	(D)	(D)	(D)
Broadwater	-	7	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.1	2.9
Carbon	E5	10	1	(Z)	0.4	(Z)	0.1	0.3	0.7	1.5	2.2	(Z)	0.1	0.7
Carter	E0	3	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(Z)	(Z)
Cascade	-	65	18	1.8	24.7	1.3	2.3	15.7	42.6	259.0	308.7	(D)	2.5	58.0
Chouteau	E2	7	1	(Z)	0.4	(Z)	(Z)	0.2	1.0	0.9	2.0	0.1	(Z)	(NA)
Custer	E7	19	1	0.1	1.0	0.1	0.1	0.7	2.1	4.7	6.8	0.1	0.1	1.7
Daniels	E0	1	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Dawson	E5	11	1	0.1	1.3	0.1	0.1	0.7	2.2	5.2	7.5	(D)	0.1	1.7
Deer Lodge	-	9	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Fallon	E1	3	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(Z)	(NA)
Fergus	E2	16	2	0.2	1.7	0.1	0.2	1.1	3.6	5.7	9.4	0.4	0.1	2.8
Flathead	-	163	24	3.6	47.1	3.1	5.9	38.5	156.9	170.1	327.0	22.1	3.1	47.7
Gallatin	E1	64	12	1.0	11.7	0.7	1.4	7.9	34.9	33.6	68.1	1.8	0.8	17.5
Garfield	E0	1	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Glacier	-	10	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Granite	E3	14	2	0.2	1.3	0.2	0.3	1.1	3.5	3.5	6.9	0.4	0.1	1.6
Hill	E4	13	1	0.1	0.9	(Z)	0.1	0.5	2.0	3.5	5.5	0.1	0.1	1.7
Jefferson	-	7	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Judith Basin	E0	1	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Lake	E1	38	5	0.4	5.1	0.4	0.8	4.4	10.8	18.8	29.5	(D)	0.6	6.4
Lewis And Clark	-	47	10	0.5	6.5	0.3	0.6	3.8	13.5	12.1	25.3	(D)	0.8	15.6
Liberty	E0	3	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Lincoln	E0	73	7	1.5	23.6	1.3	3.0	20.8	58.2	31.8	87.2	(D)	1.4	28.0
McCone	E0	2	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Madison	E0	2	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Meagher	E0	8	-	(Z)	0.2	(Z)	(Z)	0.2	0.4	0.6	1.0	0.1	(D)	(D)
Mineral	E1	16	3	0.3	4.0	0.3	0.6	3.7	7.6	13.1	20.8	0.9	(D)	(D)
Missoula	-	129	27	4.4	61.1	3.5	6.6	48.5	150.5	192.3	345.0	24.5	2.8	68.1
Musselshell	E0	8	-	(Z)	0.2	(Z)	(Z)	0.1	0.2	0.7	1.1	(D)	0.1	1.2
Park	E1	20	6	0.3	3.8	0.3	0.5	2.9	5.4	10.3	15.4	(D)	0.2	1.8
Phillips	E7	8	-	(Z)	0.4	(Z)	(Z)	0.2	0.9	2.9	3.7	0.1	(Z)	(NA)
Pondera	E0	6	1	(Z)	0.5	(Z)	0.1	0.3	0.7	0.9	1.7	(Z)	(Z)	(NA)
Powder River	E0	2	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Powell	-	23	1	0.2	2.1	0.2	0.3	1.8	5.3	7.6	12.5	(D)	0.2	4.2
Prairie	E0	1	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Ravalli	E6	50	7	0.7	6.7	0.6	1.2	5.1	12.6	18.0	31.0	1.4	0.5	10.8
Richland	-	7	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Roosevelt	-	11	6	0.3	2.3	0.2	0.3	1.4	7.4	19.1	25.1	0.3	(Z)	(NA)
Rosebud	E2	6	-	(Z)	0.1	(Z)	(Z)	0.1	0.3	0.3	0.6	(Z)	(D)	(D)
Sanders	E1	45	8	0.6	7.4	0.5	1.0	6.6	14.6	22.7	37.8	(D)	0.7	13.2
Sheridan	E0	2	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Silver Bow	E1	35	6	0.7	8.7	0.4	0.8	5.5	32.7	26.1	59.9	(D)	0.6	12.6
Stillwater	E1	9	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Sweet Grass	E9	6	-	(Z)	0.1	(Z)	(Z)	(Z)	0.2	1.0	1.2	(Z)	(Z)	(NA)
Teton	E7	4	-	(Z)	0.2	(Z)	(Z)	(Z)	0.1	0.4	0.7	(Z)	(Z)	(NA)
Toole	E4	8	-	(Z)	0.3	(Z)	(Z)	0.2	0.7	1.0	1.7	(D)	(D)	(D)
Valley	E3	6	2	0.1	0.7	0.1	0.1	0.4	1.4	1.0	2.5	(D)	(Z)	(NA)
Wibaux	E0	1	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Yellowstone	-	140	38	4.0	55.0	2.8	5.5	37.8	180.3	786.4	953.6	(D)	3.2	87.7
CITIES														
Anaconda	-	9	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Billings	-	97	28	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Bozeman	-	32	7	0.5	4.6	0.3	0.5	2.7	11.8	14.0	25.7	0.6	(NA)	(NA)
Butte	-	34	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.5	11.6
Columbia Falls	-	20	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Great Falls	-	61	17	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.7	14.1
Kalispell	E1	82	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Laurel	-	11	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.1	42.2
Missoula	-	97	21	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Including central administrative offices and auxiliaries (for definition, see appendix B).
³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 5. Statistics by Selected Industry Group and Industry for the State: 1977 and 1972

[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry		1977											1972		
			E1	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
				Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
	All Industries - - - - -	-	1 168	202	23.5	311.8	18.4	35.9	236.0	502.2	1 872.3	2 669.9	97.8	21.4	462.5	
20	Food and kindred products - - - - -	E1	137	41	3.4	43.3	2.3	4.6	26.9	104.2	292.5	392.1	7.0	3.4	65.7	
201	Meat products - - - - -	-	28	4	0.9	11.9	0.8	1.5	10.1	22.6	114.2	136.0	0.5	0.8	14.1	
2011	Meat packing plants - - - - -	E1	26	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)	
202	Dairy products - - - - -	E2	30	11	0.6	7.4	0.3	0.5	3.2	10.9	46.8	57.8	0.8	0.8	11.9	
2026	Fluid milk - - - - -	-	20	10	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0.7	10.2	
204	Grain mill products - - - - -	-	25	8	0.4	4.4	0.2	0.5	2.8	16.9	50.3	67.6	(D)	0.4	12.2	
2041	Flour and other grain mill products - - - - -	-	3	3	0.2	2.2	0.1	0.3	1.6	11.5	26.8	38.6	(D)	0.2	8.0	
2048	Prepared feeds, n.e.c. - - - - -	-	21	5	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)	
205	Bakery products - - - - -	-	16	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)	
2051	Bread, cake, and related products - - - - -	-	16	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)	
206	Sugar and confectionery products - - - - -	-	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)	
2063	Beet sugar - - - - -	-	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)	
208	Beverages - - - - -	E2	19	8	0.4	5.2	0.2	0.4	1.5	14.3	21.5	35.7	0.7	0.3	5.8	
2086	Bottled and canned soft drinks - - - - -	E2	17	8	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)	
24	Lumber and wood products - - - - -	-	481	68	9.8	128.5	8.7	17.5	111.4	287.4	331.2	614.9	25.3	8.2	149.5	
2411	Logging camps and logging contractors - - - - -	E3	318	15	1.7	19.2	1.5	2.8	16.7	44.2	74.5	118.2	5.9	1.8	22.9	
242	Sawmills and planing mills - - - - -	-	89	34	4.5	60.6	4.0	8.6	53.5	137.6	136.4	268.6	13.5	4.6	89.9	
2421	Sawmills and planing mills, general - - - - -	-	92	32	4.4	60.0	4.0	8.5	53.0	136.3	135.3	266.4	(D)	FF	(D)	
243	Millwork, plywood, and structural members - - - - -	-	29	10	2.5	36.3	2.2	4.2	31.3	75.0	88.1	165.2	(D)	1.4	27.6	
2431	Millwork - - - - -	E1	13	4	0.4	4.6	0.3	0.6	3.7	8.4	11.4	19.7	0.1	0.3	4.2	
2436	Softwood veneer and plywood - - - - -	-	5	5	2.0	30.4	1.8	3.4	26.8	64.0	72.1	138.2	1.6	CC	(D)	
245	Wood buildings and mobile homes - - - - -	-	9	4	0.6	5.8	0.5	0.9	4.5	11.3	15.5	26.3	(D)	AA	(D)	
2451	Mobile homes - - - - -	-	3	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)	
2452	Prefabricated wood buildings - - - - -	-	6	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)	
249	Miscellaneous wood products - - - - -	-	23	5	0.5	6.6	0.5	0.9	5.4	19.1	16.5	36.3	1.7	BB	(D)	
2492	Particleboard - - - - -	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)	
2499	Wood products, n.e.c. - - - - -	-	10	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)	
25	Furniture and fixtures - - - - -	E3	14	4	0.2	1.5	0.1	0.3	1.1	2.4	2.4	4.8	0.1	(NA)	(NA)	
26	Paper and allied products - - - - -	-	4	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)	
2631	Paperboard mills - - - - -	-	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB	(D)	
27	Printing and publishing - - - - -	E1	171	23	1.8	19.3	0.9	1.4	8.7	47.4	15.1	62.3	2.3	1.5	25.1	
2711	Newspapers - - - - -	E1	86	16	1.2	13.0	0.4	0.7	4.5	34.5	8.3	42.8	1.7	1.1	18.0	
275	Commercial printing - - - - -	E3	54	4	0.3	3.7	0.2	0.4	2.6	6.6	4.3	10.9	0.3	0.3	5.0	
2752	Commercial printing, lithographic - - - - -	E2	27	3	0.2	2.6	0.2	0.3	1.9	4.7	3.0	7.7	0.2	(NA)	(NA)	
28	Chemicals and allied products - - - - -	-	21	5	0.5	7.0	0.3	0.7	5.0	29.6	33.2	63.8	(D)	BB	(D)	
281	Industrial inorganic chemicals - - - - -	-	7	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)	
2819	Industrial inorganic chemicals, n.e.c. - - - - -	-	3	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)	
29	Petroleum and coal products - - - - -	-	9	6	1.0	18.3	0.7	1.3	13.0	87.2	851.6	738.9	9.7	CC	(D)	
2911	Petroleum refining - - - - -	-	7	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)	
32	Stone, clay, and glass products - - - - -	E1	100	15	1.0	14.4	0.8	1.6	10.8	48.1	38.3	86.1	4.5	1.0	24.9	
3241	Cement, hydraulic - - - - -	-	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA	(D)	
327	Concrete, gypsum, and plaster products - - - - -	E2	79	12	0.7	9.4	0.6	1.2	7.2	23.0	25.7	48.5	2.4	CC	(D)	
3273	Ready-mixed concrete - - - - -	E3	54	7	0.5	6.1	0.4	0.8	4.8	15.2	13.7	28.8	1.8	0.4	8.1	
33	Primary metal industries - - - - -	-	18	6	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)	
333	Primary nonferrous metals - - - - -	-	5	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF	(D)	
3331	Primary copper - - - - -	-	3	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE	(D)	
3334	Primary aluminum - - - - -	-	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC	(D)	

See footnotes at end of table.

Table 5. **Statistics by Selected Industry Group and Industry for the State: 1977 and 1972—**
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[Includes industry groups and industries with 150 employees or more. For explanation of terms, see appendix B]

SIC code	Industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials ³ (million dollars)	Value of shipments ³ (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (mil.)	Wages (million dollars)						
34	Fabricated metal products -----	E1	44	10	0.5	5.9	0.4	0.7	3.8	9.9	16.5	27.0	1.6	0.5	5.2
344	Fabricated structural metal products -----	-	19	7	0.3	3.8	0.2	0.4	2.4	5.4	13.3	19.4	(D)	0.3	3.9
35	Machinery, except electrical -----	E2	51	7	0.4	4.8	0.3	0.5	3.2	9.2	8.3	17.4	0.8	BB	(D)
36	Electric and electronic equipment -	E2	7	1	0.2	1.7	0.1	0.2	0.9	4.4	1.7	5.8	(D)	(NA)	(NA)
362	Electrical industrial apparatus --	-	3	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3622	Industrial controls -----	-	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
37	Transportation equipment -----	E2	24	5	0.2	1.9	0.2	0.3	1.4	2.8	5.0	9.4	(D)	0.2	3.3
39	Miscellaneous manufacturing industries -----	E5	45	4	0.3	2.8	0.2	0.4	1.8	7.3	4.4	11.4	0.4	0.4	2.9

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Statistics for some industry groups and industries are withheld to avoid disclosing figures for individual companies. However, for such industry groups and industries with 150 employees or more, number of establishments is shown and employment size range is indicated by one of the following symbols: AA—150 to 249 employees; BB—250 to 499 employees; CC—500 to 999 employees; EE—1,000 to 2,499 employees; FF—2,500 employees or more. Statistics for industry groups shown include data for all component industries, regardless of whether data are shown for individual industries in the group.
³Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 6. **Statistics by Selected Industry Group and Industry for Standard Metropolitan Statistical Areas: 1977 and 1972**

[Includes industry groups and industries with 250 employees or more within SCSA's and SMSA's, except those that would disclose operations of individual companies. For definitions of SCSA's and SMSA's, see appendix A. For explanation of terms, see appendix B]

SIC code	SMSA and industry	1977											1972		
		E ¹	All estab- lishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of ma- terials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expendi- tures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
34	Billings SMSA -----	-	140	38	4.0	55.0	2.8	5.5	37.8	180.3	786.4	953.6	(D)	3.2	87.7
	Fabricated metal products ---	-	13	6	0.3	3.5	0.2	0.4	2.2	5.2	11.5	17.3	1.4	0.3	3.4
	Great Falls SMSA -----	-	65	18	1.8	24.7	1.3	2.3	15.7	42.6	259.0	308.7	(D)	2.5	58.0

Note: "All industries" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B).
- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (S) Withheld because estimate did not meet publication standards.
(Z) Less than 50 thousand dollars or hours; under 50 employees.
¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.
²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1977 and 1972

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	County and industry	1977												1972	
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
242	Cascade County (Coextensive with Great Falls, Mont., SMSA; see table 6.)														
	Flathead County -----	-	163	24	3.6	47.1	3.1	5.8	38.5	156.9	170.1	327.0	22.1	3.1	47.7
	Sawmills and planing mills -	-	22	8	0.7	9.9	0.7	1.3	8.6	28.8	30.4	56.9	2.6	0.7	10.8
	Gallatin County -----	-	64	12	1.0	11.7	0.7	1.4	7.9	34.9	33.6	68.1	1.8	0.8	17.5
	Lewis And Clark County -----	-	47	10	0.5	5.5	0.3	0.6	3.8	13.5	12.1	25.3	(D)	0.8	15.6
24	Lincoln County -----	-	73	7	1.5	23.6	1.3	3.0	20.8	58.2	31.8	87.2	(D)	1.4	28.0
	Lumber and wood products --	E1	62	7	1.4	23.3	1.3	2.9	20.6	57.5	31.3	86.1	(D)	1.4	27.6
	Missoula County -----	-	129	27	4.4	61.1	3.5	6.6	48.5	150.5	192.3	345.0	24.5	2.8	68.1
24	Lumber and wood products --	-	64	10	2.9	39.8	2.6	4.8	34.5	76.8	114.9	194.6	(D)	1.7	34.8
24	Ravalli County -----	-	50	7	0.7	6.7	0.6	1.2	5.1	12.6	18.0	31.0	1.4	0.5	10.8
	Lumber and wood products --	E5	33	3	0.5	4.9	0.5	0.9	4.0	9.6	10.8	20.8	(D)	(NA)	(NA)
	Sanders County -----	-	45	6	0.6	7.4	0.5	1.0	6.6	14.6	22.7	37.8	(D)	0.7	13.2
24	Lumber and wood products --	E1	39	6	0.6	7.2	0.5	0.9	6.5	14.3	22.5	37.2	(D)	0.7	13.2
	Silver Bow County -----	-	35	6	0.7	8.7	0.4	0.8	5.5	32.7	26.1	59.9	(D)	0.6	12.6
	Yellowstone County (Coextensive with Billings, Mont., SMSA; see table 6.)														

Note: "County" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B). - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those States where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 8. Statistics by Selected Industry Group and Industry for Selected Cities: 1977 and 1972

[Includes cities with 450 employees or more and industry groups and industries with 450 employees or more within cities, except those that would disclose operations of individual companies. For explanation of terms, see appendix B]

SIC code	City and industry	1977											1972		
		E ¹	All establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of mater- ials ² (million dollars)	Value of ship- ments ² (million dollars)	New capital expend- itures (million dollars)	All employ- ees (1,000)	Value added by manu- facture (million dollars)
			Total (no.)	With 20 employ- ees or more (no.)	Num- ber (1,000)	Payroll (million dollars)	Num- ber (1,000)	Hours (mil.)	Wages (million dollars)						
	Bozeman - - - - -	-	32	7	0.5	4.6	0.3	0.5	2.7	11.8	14.0	25.7	0.6	(NA)	(NA)

Note: "City" level includes data on number of establishments, total employment, and total payroll for central administrative offices and auxiliaries (for definition, see appendix B). - Represents zero. (D) Withheld to avoid disclosing operations of individual companies. (NA) Not available. (Z) Less than 50 thousand dollars or hours; under 50 employees.

¹Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown for those industry groups and industries where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent.

²Aggregate of cost of materials and value of shipments for industry groups (2- and 3-digit) and for all manufacturing industries includes extensive duplication, since products of some industries are used as materials by others (see appendix B).

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977

State, county, and employee size class ¹		All es- tablish- ments	Establishments in major industry groups																				CAO's	
			20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39		
(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B)																								
MONTANA		1168	137	-	3	11	481	14	4	171	21	9	6	6	100	16	44	51	7	24	10	45	8	
1 TO 4 EMPLOYEES		685	49	-	2	5	309	7	2	111	10	2	4	4	56	8	24	32	2	14	6	33	3	
5 TO 9 EMPLOYEES		158	28	-	-	-	56	3	1	22	3	-	2	2	16	1	8	4	3	2	2	6	1	
10 TO 19 EMPLOYEES		123	19	-	-	3	48	-	-	15	3	1	-	-	13	1	2	8	1	3	1	2	3	
20 TO 49 EMPLOYEES		109	26	-	-	3	26	3	-	15	2	1	-	-	11	2	8	6	-	5	1	2	1	
50 TO 99 EMPLOYEES		48	8	-	1	-	18	1	-	5	2	2	-	-	3	2	2	1	1	-	1	2	-	
100 TO 249 EMPLOYEES		31	5	-	-	-	19	-	-	3	1	1	-	-	1	1	-	-	-	-	-	-	-	
250 TO 499 EMPLOYEES		7	2	-	-	-	2	-	-	-	2	-	-	-	-	2	-	-	-	-	-	-	-	
500 TO 999 EMPLOYEES		5	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1000 TO 2499 EMPLOYEES		2	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	
BEAVERHEAD COUNTY		16	2	-	-	-	9	-	-	3	-	-	-	-	1	-	-	1	-	-	-	-	-	
1 TO 19 EMPLOYEES		14	2	-	-	-	7	-	-	3	-	-	-	-	1	-	-	1	-	-	-	-	-	
20 TO 99 EMPLOYEES		2	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BIG HORN COUNTY		7	-	-	-	-	-	-	-	2	-	-	-	-	2	-	-	1	-	-	-	-	-	
1 TO 19 EMPLOYEES		7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BLAINE COUNTY		5	1	-	-	-	-	-	-	2	-	-	-	-	1	-	-	1	-	-	-	-	-	
1 TO 19 EMPLOYEES		5	1	-	-	-	-	-	-	2	-	-	-	-	1	-	-	1	-	-	-	-	-	
BROADWATER COUNTY		7	-	-	-	-	5	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	
1 TO 19 EMPLOYEES		6	-	-	-	-	4	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	
100 TO 249 EMPLOYEES		1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CARBON COUNTY		10	3	-	-	-	-	-	1	3	-	-	-	-	-	-	1	-	-	-	1	-	-	
1 TO 19 EMPLOYEES		9	3	-	-	-	-	-	-	3	-	-	-	-	1	-	1	-	-	-	1	-	-	
20 TO 99 EMPLOYEES		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CARTER COUNTY		3	-	-	-	-	1	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	
1 TO 19 EMPLOYEES		3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CASCADE COUNTY		65	15	-	-	3	2	2	-	15	2	1	1	-	10	3	1	3	-	1	2	2	2	
1 TO 19 EMPLOYEES		47	5	-	-	3	2	2	-	14	2	1	1	-	9	1	1	2	-	1	2	1	1	
20 TO 99 EMPLOYEES		15	9	-	-	-	-	-	-	1	-	-	-	-	1	1	-	1	-	-	-	-	-	
100 TO 249 EMPLOYEES		2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CHOUTEAU COUNTY		7	-	-	-	-	1	-	-	2	-	-	-	-	1	-	2	1	-	-	-	-	-	
1 TO 19 EMPLOYEES		6	-	-	-	-	1	-	-	2	-	-	-	-	1	-	2	1	-	-	-	-	-	
20 TO 99 EMPLOYEES		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CUSTER COUNTY		19	7	-	-	-	2	-	-	5	-	-	-	-	1	1	-	2	-	-	-	1	1	
1 TO 19 EMPLOYEES		18	7	-	-	-	2	-	-	4	-	-	-	-	1	1	-	2	-	-	-	-	-	
20 TO 99 EMPLOYEES		1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
DANIELS COUNTY		1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
1 TO 19 EMPLOYEES		1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
DAWSON COUNTY		11	5	-	-	-	-	-	-	1	-	-	-	-	3	3	-	2	-	-	-	-	-	
1 TO 19 EMPLOYEES		10	5	-	-	-	-	-	-	1	-	-	-	-	3	3	-	1	-	-	-	-	-	
20 TO 99 EMPLOYEES		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DEER LODGE COUNTY		9	2	-	-	-	-	-	-	1	1	-	-	-	2	3	-	-	-	-	-	-	-	
1 TO 19 EMPLOYEES		5	2	-	-	-	-	-	-	1	-	-	-	-	1	1	-	-	-	-	-	-	-	
20 TO 99 EMPLOYEES		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
100 TO 249 EMPLOYEES		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FALLON COUNTY		3	1	-	-	-	-	-	-	1	-	-	-	-	1	1	-	-	-	-	-	-	-	
1 TO 19 EMPLOYEES		3	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
FERGUS COUNTY		16	3	-	-	-	6	1	1	2	-	-	-	-	2	1	1	1	-	-	-	-	-	
1 TO 19 EMPLOYEES		14	3	-	-	-	6	1	1	1	-	-	-	-	1	1	-	-	-	-	-	-	-	
20 TO 99 EMPLOYEES		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FLATHEAD COUNTY		163	11	-	-	-	104	-	-	12	2	-	-	-	5	5	4	5	1	8	1	4	4	
1 TO 19 EMPLOYEES		139	9	-	-	-	86	-	-	11	2	-	-	-	4	4	-	-	1	6	1	1	1	
20 TO 99 EMPLOYEES		16	2	-	-	-	11	-	-	1	-	-	-	-	-	-	-	-	-	2	-	-	-	
100 TO 249 EMPLOYEES		7	-	-	-	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 EMPLOYEES AND OVER		1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tablish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	CAO's
GALLATIN COUNTY	64	8	-	-	-	25	-	1	8	-	1	-	-	7	2	7	1	1	-	-	-	-
1 TO 19 EMPLOYEES	52	5	-	-	-	22	-	1	5	-	1	-	-	5	2	7	1	-	-	-	-	3
20 TO 99 EMPLOYEES	9	3	-	-	-	2	-	-	3	-	-	-	-	-	1	-	-	-	-	-	-	3
100 TO 249 EMPLOYEES	3	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
GARFIELD COUNTY	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
GLACIER COUNTY	10	1	-	-	-	-	-	-	6	-	1	-	-	-	1	-	-	-	-	-	1	-
1 TO 19 EMPLOYEES	8	1	-	-	-	-	-	-	6	-	-	-	-	-	1	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-
GRANITE COUNTY	14	-	-	-	-	11	-	-	1	-	-	-	-	-	1	-	-	-	-	-	1	-
1 TO 19 EMPLOYEES	12	-	-	-	-	9	-	-	1	-	-	-	-	-	1	-	-	-	-	-	1	-
20 TO 99 EMPLOYEES	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HILL COUNTY	13	2	-	-	-	-	-	-	3	1	-	1	-	2	-	-	2	-	1	-	-	-
1 TO 19 EMPLOYEES	12	2	-	-	-	-	-	-	2	1	-	1	-	2	-	-	2	-	1	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
JEFFERSON COUNTY	7	-	-	-	-	2	-	-	-	-	-	-	-	3	-	-	1	-	-	-	1	-
1 TO 19 EMPLOYEES	6	-	-	-	-	2	-	-	-	-	-	-	-	2	-	-	1	-	-	-	1	-
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
JUDITH BASIN COUNTY	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LAKE COUNTY	38	2	-	-	-	20	-	-	4	-	-	-	1	3	1	1	-	-	3	-	-	3
1 TO 19 EMPLOYEES	33	2	-	-	-	17	-	-	4	-	-	-	1	2	1	1	-	-	2	-	-	3
20 TO 99 EMPLOYEES	4	-	-	-	-	2	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEWIS AND CLARK COUNTY	47	5	-	-	-	11	1	-	10	3	-	-	-	5	-	1	3	-	-	2	4	2
1 TO 19 EMPLOYEES	37	3	-	-	-	10	-	-	9	2	-	-	-	3	-	-	2	-	-	-	2	-
20 TO 99 EMPLOYEES	10	2	-	-	-	1	1	-	1	1	-	-	-	2	-	1	1	-	-	-	-	-
LIBERTY COUNTY	3	-	-	-	-	-	-	-	1	-	-	-	-	-	-	2	-	-	-	-	-	-
1 TO 19 EMPLOYEES	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
LINCOLN COUNTY	73	1	-	-	-	62	-	-	3	-	-	-	-	3	-	-	3	-	-	-	1	-
1 TO 19 EMPLOYEES	66	1	-	-	-	55	-	-	3	-	-	-	-	3	-	-	3	-	-	-	1	-
20 TO 99 EMPLOYEES	6	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MC CONE COUNTY	2	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-
MADISON COUNTY	2	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	2	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
MEAGER COUNTY	8	-	-	-	-	7	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	8	-	-	-	-	7	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
MINERAL COUNTY	16	-	-	-	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	13	-	-	-	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MISSOULA COUNTY	129	9	-	-	2	64	5	2	17	2	-	-	2	5	-	6	3	1	4	1	5	1
1 TO 19 EMPLOYEES	102	3	-	-	1	54	4	1	14	1	-	-	2	4	-	4	3	1	4	1	5	1
20 TO 99 EMPLOYEES	18	6	-	-	1	3	1	-	2	1	-	-	-	1	-	2	-	-	-	-	-	-
100 TO 249 EMPLOYEES	4	-	-	-	-	3	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	5	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MUSSELSHELL COUNTY	8	1	-	-	-	6	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	8	1	-	-	-	6	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
PARK COUNTY	20	3	-	-	-	13	-	-	3	-	-	-	-	-	-	-	-	-	1	-	-	-
1 TO 19 EMPLOYEES	14	2	-	-	-	11	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	6	1	-	-	-	2	-	-	2	-	-	-	-	-	-	-	-	-	1	-	-	-
PHILLIPS COUNTY	8	4	-	-	-	-	-	-	1	-	-	-	-	2	-	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES	8	4	-	-	-	-	-	-	1	-	-	-	-	2	-	-	1	-	-	-	-	-

See footnotes at end of table.

Table 9. Distribution of Establishments by Employment Size and Major Industry Group for the State and Counties: 1977 - Con.

(Major groups descriptions are: 20--food and kindred products; 21--tobacco manufactures; 22--textile mill products; 23--apparel and other textile products; 24--lumber and wood products; 25--furniture and fixtures; 26--paper and allied products; 27--printing and publishing; 28--chemicals and allied products; 29--petroleum and coal products; 30--rubber and miscellaneous plastics products; 31--leather and leather products; 32--stone, clay, and glass products; 33--primary metal industries; 34--fabricated metal products; 35--machinery, except electrical; 36--electric and electronic equipment; 37--transportation equipment; 38--instruments and related products; 39--miscellaneous manufacturing industries. For explanation of terms, see appendix B.)

State, county, and employee size class ¹	All es- tab- lish- ments	Establishments in major industry groups																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40 ²
PONDERA COUNTY	6	-	-	-	-	-	-	-	2	-	-	-	-	2	-	-	-	-	2	-	-	-
1 TO 19 EMPLOYEES	5	-	-	-	-	-	-	-	2	-	-	-	-	2	-	-	-	-	1	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
POWDER RIVER COUNTY	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
1 TO 19 EMPLOYEES	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
POWELL COUNTY	23	-	-	-	-	18	-	-	1	-	-	-	-	2	-	-	1	-	-	1	-	-
1 TO 19 EMPLOYEES	22	-	-	-	-	17	-	-	1	-	-	-	-	2	-	-	1	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PRAIRIE COUNTY	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
RAVALLI COUNTY	50	3	-	-	1	33	1	-	2	1	1	1	-	3	1	1	2	-	-	-	1	-
1 TO 19 EMPLOYEES	43	2	-	-	-	30	-	-	1	1	-	-	-	3	1	1	2	-	-	-	1	-
20 TO 99 EMPLOYEES	5	1	-	-	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RICHLAND COUNTY	7	4	-	-	-	1	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	4	-	-	-	-	1	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	2	1	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROOSEVELT COUNTY	11	3	-	1	-	-	-	-	1	-	2	-	-	1	1	1	-	1	-	-	-	1
1 TO 19 EMPLOYEES	5	1	-	-	-	-	-	-	1	-	1	-	-	1	1	1	-	1	-	-	-	1
20 TO 99 EMPLOYEES	6	2	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
ROSEBUD COUNTY	6	-	-	1	-	2	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	6	-	-	1	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
SANDERS COUNTY	45	1	-	-	-	39	-	-	2	-	-	-	-	1	-	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES	39	1	-	-	-	33	-	-	2	-	-	-	-	1	-	-	1	-	-	-	-	-
20 TO 99 EMPLOYEES	4	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 TO 249 EMPLOYEES	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHERIDAN COUNTY	2	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
SILVER BOW COUNTY	35	10	-	-	-	4	-	-	5	2	-	-	-	6	-	1	3	-	-	-	4	-
1 TO 19 EMPLOYEES	29	9	-	-	-	3	-	-	4	1	-	-	-	5	-	1	3	-	-	-	4	-
20 TO 99 EMPLOYEES	5	1	-	-	-	1	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STILLWATER COUNTY	9	3	-	-	-	1	-	-	3	-	-	-	-	-	-	1	-	-	-	-	-	1
1 TO 19 EMPLOYEES	8	3	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWEET GRASS COUNTY	6	2	-	-	-	-	-	-	3	-	-	-	-	1	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TETON COUNTY	4	1	-	-	-	1	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-
1 TO 19 EMPLOYEES	4	1	-	-	-	1	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-
TOOLE COUNTY	8	1	-	-	-	-	-	-	1	2	-	-	-	1	-	-	1	-	1	-	1	-
1 TO 19 EMPLOYEES	8	1	-	-	-	-	-	-	1	2	-	-	-	1	-	-	1	-	1	-	1	-
VALLEY COUNTY	6	1	-	-	1	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	4	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
20 TO 99 EMPLOYEES	2	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
WIBAUX COUNTY	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
1 TO 19 EMPLOYEES	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
YELLOWSTONE COUNTY	140	22	-	1	4	11	3	1	31	5	4	2	1	15	-	13	10	2	3	2	9	1
1 TO 19 EMPLOYEES	102	11	-	1	4	7	3	1	26	4	1	2	1	11	-	7	8	2	3	2	7	1
20 TO 99 EMPLOYEES	28	6	-	-	-	3	-	-	4	1	-	-	-	4	-	6	2	-	-	-	2	-
100 TO 249 EMPLOYEES	6	3	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
250 EMPLOYEES AND OVER	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: Data on number of establishments by employment size class by 4-digit SIC industry for States, counties, and selected cities are presented in Location of Manufacturing Plants data series. This series is available only on computer tape (see Introduction).
 - Represents zero.
 1 Only those counties and size classes that include data for manufacturing establishments are shown.

APPENDIX A. Standard Consolidated Statistical Areas and Standard Metropolitan Statistical Areas

(Titles and definitions of the SCSA's and the SMSA's in the United States established by the Department of Commerce, Office of Federal Statistical Policy and Standards, as of December 1977)

Standard Consolidated Statistical Areas

Boston-Lawrence-Lowell, Mass.-N.H.	Consists of Boston, Mass., SMSA; Lawrence-Haverhill, Mass.-N.H., SMSA; Lowell, Mass.-N.H., SMSA; and Brockton, Mass., SMSA
Chicago-Gary, Ill.-Ind. ¹	Consists of Chicago, Ill., SMSA, and Gary-Hammond-East Chicago, Ind., SMSA
Cincinnati-Hamilton, Ohio-Ky.-Ind.	Consists of Cincinnati, Ohio-Ky.-Ind., SMSA, and Hamilton-Middletown, Ohio, SMSA
Cleveland-Akron-Lorain, Ohio	Consists of Cleveland, Ohio, SMSA; Akron, Ohio, SMSA; and Lorain-Elyria, Ohio, SMSA
Detroit-Ann Arbor, Mich.	Consists of Detroit, Mich., SMSA, and Ann Arbor, Mich., SMSA
Houston-Galveston, Tex.	Consists of Houston, Tex., SMSA, and Galveston-Texas City, Tex., SMSA
Los Angeles-Long Beach-Anaheim, Calif.	Consists of Los Angeles-Long Beach, Calif., SMSA; Anaheim-Santa Ana-Garden Grove, Calif., SMSA; Riverside-San Bernardino-Ontario, Calif., SMSA; and Oxnard-Simi Valley-Ventura, Calif., SMSA
Miami-Fort Lauderdale, Fla.	Consists of Miami, Fla., SMSA, and Fort Lauderdale-Hollywood, Fla., SMSA
Milwaukee-Racine, Wis.	Consists of Milwaukee, Wis., SMSA, and Racine, Wis., SMSA
New York-Newark-Jersey City, N.Y.-N.J.-Conn. ²	Consists of New York, N.Y.-N.J., SMSA; Nassau-Suffolk, N.Y., SMSA; Newark, N.J., SMSA; Jersey City, N.J., SMSA; New Brunswick-Perth Amboy-Sayreville, N.J., SMSA; Paterson-Clifton-Passaic, N.J., SMSA; Long Branch-Asbury Park, N.J., SMSA; Stamford, Conn., SMSA; and Norwalk, Conn., SMSA
Philadelphia-Wilmington-Trenton, Pa.-Del.-N.J.-Md.	Consists of Philadelphia, Pa.-N.J., SMSA; Wilmington, Del.-N.J.-Md., SMSA; and Trenton, N.J., SMSA
San Francisco-Oakland-San Jose, Calif.	Consists of San Francisco-Oakland, Calif., SMSA; San Jose, Calif., SMSA, and Vallejo-Fairfield-Napa, Calif., SMSA
Seattle-Tacoma, Wash.	Consists of Seattle-Everett, Wash., SMSA, and Tacoma, Wash., SMSA

Standard Metropolitan Statistical Areas

Abilene, Tex.	Consists of Callahan, Jones, and Taylor Counties, Tex.
Akron, Ohio	Consists of Portage and Summit Counties, Ohio
Albany, Ga.	Consists of Dougherty and Lee Counties, Ga.
Albany-Schenectady-Troy, N.Y.	Consists of Albany, Montgomery, Rensselaer, Saratoga, and Schenectady Counties, N.Y.
Albuquerque, N. Mex.	Consists of Bernalillo and Sandoval Counties, N. Mex.
Alexandria, La.	Consists of Grant and Rapides Parishes, La.
Allentown-Bethlehem-Easton, Pa.-N.J.	Consists of Carbon, Lehigh, and Northampton Counties, Pa.; and Warren County, N.J.
Altoona, Pa.	Coextensive with Blair County, Pa.
Amarillo, Tex.	Consists of Potter and Randall Counties, Tex.
Anaheim-Santa Ana-Garden Grove, Calif.	Coextensive with Orange County, Calif.
Anchorage, Alaska	Coextensive with Anchorage Division, Alaska
Anderson, Ind.	Coextensive with Madison County, Ind.
Ann Arbor, Mich.	Coextensive with Washtenaw County, Mich.
Anniston, Ala. ³	Coextensive with Calhoun County, Ala.
Appleton-Oshkosh, Wis.	Consists of Calumet, Outagamie, and Winnebago Counties, Wis.
Asheville, N.C.	Consists of Buncombe and Madison Counties, N.C.
Atlanta, Ga.	Consists of Butts, Cherokee, Clayton, Cobb, De Kalb, Douglas, Fayette, Forsyth, Fulton, Gwinnett, Henry, Newton, Paulding, Rockdale, and Walton Counties, Ga.

SMSA'S—Con.

Atlantic City, N.J.	Coextensive with Atlantic County, N.J.
Augusta, Ga.-S.C.	Consists of Columbia and Richmond Counties, Ga., and Aiken County, S.C.
Austin, Tex. ⁴	Consists of Hays, Travis, and Williamson Counties, Tex.
Bakersfield, Calif.	Coextensive with Kern County, Calif.
Baltimore, Md.	Consists of Baltimore ⁵ city and Anne Arundel, Baltimore, Carroll, Harford, and Howard Counties, Md.
Baton Rouge, La.	Consists of Ascension, East Baton Rouge, Livingston, and West Baton Rouge Parishes, La.
Battle Creek, Mich.	Consists of Barry and Calhoun Counties, Mich.
Bay City, Mich.	Coextensive with Bay County, Mich.
Beaumont-Port Arthur-Orange, Tex.	Consists of Hardin, Jefferson, and Orange Counties, Tex.
Billings, Mont.	Coextensive with Yellowstone County, Mont.
Biloxi-Gulfport, Miss.	Consists of Hancock, Harrison, and Stone Counties, Miss.
Binghamton, N.Y.-Pa.	Consists of Broome and Tioga Counties, N.Y., and Susquehanna County, Pa.
Birmingham, Ala.	Consists of Jefferson, St. Clair, Shelby, and Walker Counties, Ala.
Bloomington, Ind. ³	Coextensive with Monroe County, Ind.
Bloomington-Normal, Ill.	Coextensive with McLean County, Ill.
Boise City, Idaho	Coextensive with Ada County, Idaho
Boston, Mass.	Consists of Beverly, Lynn, Peabody, and Salem cities, and Boxford, Danvers, Hamilton, Lynnfield, Manchester, Marblehead, Middleton, Nahant, Saugus, Swampscott, Topsfield, and Wenham towns in Essex County; Cambridge, Everett, Malden, Medford, Melrose, Newton, Somerville, Waltham, and Woburn cities, and Acton, Arlington, Ashland, Bedford, Belmont, Boxborough, Burlington, Carlisle, Concord, Framingham, Holliston, Lexington, Lincoln, Natick, North Reading, Reading, Sherborn, Stoneham, Sudbury, Wakefield, Watertown, Wayland, Weston, Wilmington, and Winchester towns in Middlesex County; Quincy city, and Bellingham, Braintree, Brookline, Canton, Cohasset, Dedham, Dover, Foxborough, Franklin, Holbrook, Medfield, Medway, Millis, Milton, Needham, Norfolk, Norwood, Randolph, Sharon, Stoughton, Walpole, Wellesley, Westwood, Weymouth, and Wrentham towns in Norfolk County; Abington, Duxbury, Hanover, Hanson, Hingham, Hull, Kingston, Marshfield, Norwell, Pembroke, Rockland, Scituate towns in Plymouth County; and Boston, Chelsea, and Revere cities, and Winthrop town in Suffolk County, Mass.
Bradenton, Fla. ³	Coextensive with Manatee County, Fla.
Bridgeport, Conn.	Consists of Bridgeport and Shelton cities, and Easton, Fairfield, Monroe, Stratford, and Trumbull towns in Fairfield County; and Derby and Milford cities in New Haven County, Conn.
Bristol, Conn.	Consists of Bristol city and Burlington town in Hartford County, and Plymouth town in Litchfield County, Conn.
Brockton, Mass.	Consists of Easton town in Bristol County; Avon town in Norfolk County; and Brockton city, and Bridgewater, East Bridgewater, Halifax, West Bridgewater, and Whitman towns in Plymouth County, Mass.
Brownsville-Harlingen-San Benito, Tex.	Coextensive with Cameron County, Tex.
Bryan-College Station, Tex.	Coextensive with Brazos County, Tex.
Buffalo, N.Y.	Consists of Erie and Niagara Counties, N.Y.
Burlington, N.C.	Coextensive with Alamance County, N.C.
Canton, Ohio	Consists of Carroll and Stark Counties, Ohio
Cedar Rapids, Iowa	Coextensive with Linn County, Iowa
Champaign-Urbana-Rantoul, Ill.	Coextensive with Champaign County, Ill.
Charleston-North Charleston, S.C. ⁶	Consists of Berkeley, Charleston, and Dorchester Counties, S.C.
Charleston, W. Va.	Consists of Kanawha and Putnam Counties, W. Va.
Charlotte-Gastonia, N.C.	Consists of Gaston, Mecklenburg, and Union Counties, N.C.

SMSA'S—Con.

Chattanooga, Tenn.-Ga.	Consists of Hamilton, Marion, and Sequatchie Counties, Tenn.; and Catoosa, Dade, and Walker Counties, Ga.
Chicago, Ill.	Consists of Cook, Du Page, Kane, Lake, McHenry, and Will Counties, Ill.
Cincinnati, Ohio-Ky.-Ind.	Consists of Clermont, Hamilton, and Warren Counties, Ohio; Boone, Campbell, and Kenton Counties, Ky.; and Dearborn County, Ind.
Clarksville-Hopkinsville, Tenn.-Ky. ³	Consists of Montgomery County, Tenn. and Christian County, Ky.
Cleveland, Ohio	Consists of Cuyahoga, Geauga, Lake, and Medina Counties, Ohio
Colorado Springs, Colo.	Consists of El Paso and Teller Counties, Colo.
Columbia, Mo.	Coextensive with Boone County, Mo.
Columbia, S.C.	Consists of Lexington and Richland Counties, S.C.
Columbus, Ga.-Ala.	Consists of Chattahoochee County and Columbus ⁵ (consolidated government), Ga., and Russell County, Ala.
Columbus, Ohio	Consists of Delaware, Fairfield, Franklin, Madison, and Pickaway Counties, Ohio
Corpus Christi, Tex.	Consists of Nueces and San Patricio Counties, Tex.
Dallas-Fort Worth, Tex.	Consists of Collin, Dallas, Denton, Ellis, Hood, Johnson, Kaufman, Parker, Rockwall, Tarrant, and Wise Counties, Tex.
Danbury, Conn.	Consists of Danbury city and Bethel, Brookfield, New Fairfield, Newtown, and Redding towns in Fairfield County; and New Milford town in Litchfield County, Conn.
Davenport-Rock Island-Moline, Iowa-Ill.	Consists of Scott County, Iowa and Henry and Rock Island Counties, Ill.
Dayton, Ohio	Consists of Greene, Miami, Montgomery, and Preble Counties, Ohio
Daytona Beach, Fla.	Coextensive with Volusia County, Fla.
Decatur, Ill.	Coextensive with Macon County, Ill.
Denver-Boulder, Colo.	Consists of Adams, Arapahoe, Boulder, Denver, Douglas, Gilpin, and Jefferson Counties, Colo.
Des Moines, Iowa	Consists of Polk and Warren Counties, Iowa
Detroit, Mich.	Consists of Lapeer, Livingston, Macomb, Oakland, St. Clair, and Wayne Counties, Mich.
Dubuque, Iowa	Coextensive with Dubuque County, Iowa
Duluth-Superior, Minn.-Wis.	Consists of St. Louis County, Minn. and Douglas County, Wis.
Eau Claire, Wis. ³	Consists of Chippewa and Eau Claire Counties, Wis.
El Paso, Tex.	Coextensive with El Paso County, Tex.
Elmira, N.Y.	Coextensive with Chemung County, N.Y.
Erie, Pa.	Coextensive with Erie County, Pa.
Eugene-Springfield, Oreg.	Coextensive with Lane County, Oreg.
Evansville, Ind.-Ky.	Consists of Gibson, Posey, Vanderburgh, and Warrick Counties, Ind. and Henderson County, Ky.
Fall River, Mass.-R.I.	Consists of Fall River city and Dighton, Somerset, Swansea, and Westport towns in Bristol County, Mass.; and Little Compton, Portsmouth, and Tiverton towns in Newport County, R.I.
Fargo-Moorhead, N. Dak.-Minn.	Consists of Cass County, N. Dak. and Clay County, Minn.
Fayetteville, N.C.	Coextensive with Cumberland County, N.C.
Fayetteville-Springdale, Ark.	Consists of Benton and Washington Counties, Ark.
Fitchburg-Leominster, Mass.	Consists of Shirley and Townsend towns in Middlesex County, and Fitchburg and Leominster cities and Lunenburg and Westminster towns in Worcester County, Mass.
Flint, Mich.	Consists of Genesee and Shiawassee Counties, Mich.
Florence, Ala.	Consists of Colbert and Lauderdale Counties, Ala.
Fort Collins, Colo. ³	Coextensive with Larimer County, Colo.
Fort Lauderdale-Hollywood, Fla.	Coextensive with Broward County, Fla.
Fort Myers, Fla.	Coextensive with Lee County, Fla.
Fort Smith, Ark.-Okla.	Consists of Crawford and Sebastian Counties, Ark. and Le Flore and Sequoyah Counties, Okla.

SMSA'S—Con.

Fort Wayne, Ind.	Consists of Adams, Allen, De Kalb, and Wells Counties, Ind.
Fresno, Calif.	Coextensive with Fresno County, Calif.
Gadsden, Ala.	Coextensive with Etowah County, Ala.
Gainesville, Fla.	Coextensive with Alachua County, Fla.
Galveston-Texas City, Tex.	Coextensive with Galveston County, Tex.
Gary-Hammond-East Chicago, Ind.	Consists of Lake and Porter Counties, Ind.
Grand Forks, N. Dak.-Minn. ³	Consists of Grand Forks County, N. Dak. and Polk County, Minn.
Grand Rapids, Mich.	Consists of Kent and Ottawa Counties, Mich.
Great Falls, Mont.	Coextensive with Cascade County, Mont.
Greeley, Colo. ³	Coextensive with Weld County, Colo.
Green Bay, Wis.	Coextensive with Brown County, Wis.
Greensboro—Winston-Salem—High Point, N.C.	Consists of Davidson, Forsyth, Guilford, Randolph, Stokes, and Yadkin Counties, N.C.
Greenville-Spartanburg, S.C.	Consists of Greenville, Pickens, and Spartanburg Counties, S.C.
Hamilton-Middletown, Ohio	Coextensive with Butler County, Ohio
Harrisburg, Pa.	Consists of Cumberland, Dauphin, and Perry Counties, Pa.
Hartford, Conn.	Consists of Hartford city and Avon, Bloomfield, Canton, East Granby, East Hartford, East Windsor, Enfield, Farmington, Glastonbury, Granby, Manchester, Marlborough, Newington, Rocky Hill, Simsbury, South Windsor, Suffield, West Hartford, Wethersfield, Windsor, and Windsor Locks towns in Hartford County; New Hartford town in Litchfield County; Cromwell, East Hampton, and Portland towns in Middlesex County; Colchester town in New London County; and Andover, Bolton, Columbia, Coventry, Ellington, Hebron, Stafford, Tolland, Vernon, and Willington towns in Tolland County, Conn.
Honolulu, Hawaii	Coextensive with Honolulu County, Hawaii
Houston, Tex.	Consists of Brazoria, Fort Bend, Harris, Liberty, Montgomery, and Waller Counties, Tex.
Huntington-Ashland, W. Va.-Ky.-Ohio	Consists of Cabell and Wayne Counties, W. Va.; Boyd and Greenup Counties, Ky.; and Lawrence County, Ohio
Huntsville, Ala.	Consists of Limestone, Madison, and Marshall Counties, Ala.
Indianapolis, Ind.	Consists of Boone, Hamilton, Hancock, Hendricks, Johnson, Marion, Morgan, and Shelby Counties, Ind.
Jackson, Mich.	Coextensive with Jackson County, Mich.
Jackson, Miss.	Consists of Hinds and Rankin Counties, Miss.
Jacksonville, Fla.	Consists of Baker, Clay, Duval, Nassau, and St. Johns Counties, Fla.
Jersey City, N.J.	Coextensive with Hudson County, N.J.
Johnson City-Kingsport-Bristol, Tenn.-Va. ⁷	Consists of Carter, Hawkins, Sullivan, Unicoi, and Washington Counties, Tenn., and Bristol ⁵ city and Scott and Washington Counties, Va.
Johnstown, Pa.	Consists of Cambria and Somerset Counties, Pa.
Kalamazoo-Portage, Mich.	Consists of Kalamazoo and Van Buren Counties, Mich.
Kankakee, Ill. ³	Coextensive with Kankakee County, Ill.
Kansas City, Mo.-Kans.	Consists of Cass, Clay, Jackson, Platte, and Ray Counties, Mo., and Johnson and Wyandotte Counties, Kans.
Kenosha, Wis.	Coextensive with Kenosha County, Wis.
Killeen-Temple, Tex.	Consists of Bell and Coryell Counties, Tex.
Knoxville, Tenn.	Consists of Anderson, Blount, Knox, and Union Counties, Tenn.
Kokomo, Ind. ³	Consists of Howard and Tipton Counties, Ind.
La Crosse, Wis.	Coextensive with La Crosse County, Wis.
Lafayette, La.	Coextensive with Lafayette Parish, La.
Lafayette-West Lafayette, Ind.	Coextensive with Tippecanoe County, Ind.
Lake Charles, La.	Coextensive with Calcasieu Parish, La.

SMSA'S—Con.

Lakeland-Winter Haven, Fla.	Coextensive with Polk County, Fla.
Lancaster, Pa.	Coextensive with Lancaster County, Pa.
Lansing-East Lansing, Mich.	Consists of Clinton, Eaton, Ingham, and Ionia Counties, Mich.
Laredo, Tex.	Coextensive with Webb County, Tex.
Las Vegas, Nev.	Coextensive with Clark County, Nev.
Lawrence, Kans. ⁵	Coextensive with Douglas County, Kans.
Lawrence-Haverhill, Mass.-N.H.	Consists of Haverhill and Lawrence cities and Amesbury, Andover, Georgetown, Groveland, Merrimac, Methuen, North Andover, Salisbury, and West Newbury towns in Essex County, Mass. and Atkinson, Hampstead, Kingston, Newton, Plaistow, Salem, and Windham towns in Rockingham County, N.H.
Lawton, Okla.	Coextensive with Comanche County, Okla.
Lewiston-Auburn, Maine	Consists of Auburn and Lewiston cities and Lisbon town in Androscoggin County, Maine
Lexington-Fayette, Ky. ⁸	Consists of Bourbon, Clark, Fayette, Jessamine, Scott, and Woodford Counties, Ky.
Lima, Ohio	Consists of Allen, Auglaize, Putnam, and Van Wert Counties, Ohio
Lincoln, Nebr.	Coextensive with Lancaster County, Nebr.
Little Rock-North Little Rock, Ark.	Consists of Pulaski and Saline Counties, Ark.
Long Branch-Asbury Park, N.J.	Coextensive with Monmouth County, N.J.
Longview, Tex. ³	Consists of Gregg and Harrison Counties, Tex.
Lorain-Elyria, Ohio	Coextensive with Lorain County, Ohio
Los Angeles-Long Beach, Calif.	Coextensive with Los Angeles County, Calif.
Louisville, Ky-Ind.	Consists of Bullitt, Jefferson, and Oldham Counties, Ky. and Clark and Floyd Counties, Ind.
Lowell, Mass.-N.H.	Consists of Lowell city and Billerica, Chelmsford, Dracut, Tewksbury, Tyngsborough, and Westford towns in Middlesex County, Mass.; and Pelham town in Hillsborough County, N.H.
Lubbock, Tex.	Coextensive with Lubbock County, Tex.
Lynchburg, Va.	Consists of Lynchburg ⁵ city and Amherst, Appomattox, and Campbell Counties, Va.
Macon, Ga.	Consists of Bibb, Houston, Jones, and Twiggs Counties, Ga.
Madison, Wis.	Coextensive with Dane County, Wis.
Manchester, N.H.	Consists of Manchester city and Bedford and Goffstown towns in Hillsborough County; Allenstown, Hooksett, and Pembroke towns in Merrimack County; and Derry and Londonderry towns in Rockingham County, N.H.
Mansfield, Ohio	Coextensive with Richland County, Ohio
McAllen-Pharr-Edinburg, Tex.	Coextensive with Hidalgo County, Tex.
Melbourne-Titusville-Cocoa, Fla.	Coextensive with Brevard County, Fla.
Memphis, Tenn.-Ark.-Miss.	Consists of Shelby and Tipton Counties, Tenn.; Crittenden County, Ark.; and De Soto County, Miss.
Meriden, Conn.	Coextensive with Meriden city in New Haven County, Conn.
Miami, Fla.	Coextensive with Dade County, Fla.
Midland, Tex.	Coextensive with Midland County, Tex.
Milwaukee, Wis.	Consists of Milwaukee, Ozaukee, Washington, and Waukesha Counties, Wis.
Minneapolis-St. Paul, Minn.-Wis.	Consists of Anoka, Carver, Chisago, Dakota, Hennepin, Ramsey, Scott, Washington, and Wright Counties, Minn. and St. Croix County, Wis.
Mobile, Ala.	Consists of Baldwin and Mobile Counties, Ala.
Modesto, Calif.	Coextensive with Stanislaus County, Calif.
Monroe, La.	Coextensive with Ouachita Parish, La.
Montgomery, Ala.	Consists of Autauga, Elmore, and Montgomery Counties, Ala.
Muncie, Ind.	Coextensive with Delaware County, Ind.
Muskegon-North Shores-Muskegon Heights, Mich. ⁹	Consists of Muskegon and Oceana Counties, Mich.

SMSA'S—Con.

Nashua, N.H.	Consists of Nashua city and Amherst, Hudson, Merrimack, and Milford towns in Hillsborough County, N.H.
Nashville-Davidson, Tenn.	Consists of Cheatham, Davidson, Dickson, Robertson, Rutherford, Sumner, Williamson, and Wilson Counties, Tenn.
Nassau-Suffolk, N.Y.	Consists of Nassau and Suffolk Counties, N.Y.
New Bedford, Mass.	Consists of New Bedford city and Acushnet, Dartmouth, Fairhaven, and Freetown towns in Bristol County; and Lakeville, Marion, and Mattapoisett towns in Plymouth County, Mass.
New Britain, Conn.	Consists of New Britain city and Berlin, Plainville, and Southington towns in Hartford County, Conn.
New Brunswick-Perth Amboy-Sayreville, N.J.	Coextensive with Middlesex County, N.J.
New Haven-West Haven, Conn. ¹⁰	Consists of Clinton town in Middlesex County; and New Haven and West Haven cities and Bethany, Branford, East Haven, Guilford, Hamden, Madison, North Branford, North Haven, Orange, Wallingford, and Woodbridge towns in New Haven County, Conn.
New London-Norwich, Conn.-R.I.	Consists of Old Saybrook town in Middlesex County; New London and Norwich cities and Bozrah, East Lyme, Griswold, Groton, Ledyard, Lisbon, Montville, Old Lyme, Preston, Sprague, Stonington, and Waterford towns in New London County, Conn.; and Hopkinton and Westerly towns in Washington County, R.I.
New Orleans, La.	Consists of Jefferson, Orleans, St. Bernard, and St. Tammany Parishes, La.
New York, N.Y.-N.J.	Consists of Bronx, Kings, New York, Putnam, Queens, Richmond, Rockland, and Westchester Counties, N.Y. and Bergen County, N.J.
Newark, N.J.	Consists of Essex, Morris, Somerset, and Union Counties, N.J.
Newport News-Hampton, Va. ¹¹	Consists of Hampton, ⁵ Newport News, ⁵ Poquoson, ⁵ and Williamsburg ⁵ cities and Gloucester, James City, and York Counties, Va.
Norfolk-Virginia Beach-Portsmouth, Va.-N.C. ¹²	Consists of Chesapeake, ⁵ Norfolk, ⁵ Portsmouth, ⁵ Suffolk, ⁵ and Virginia Beach ⁵ cities, Va. and Currituck County, N.C.
Northeast Pennsylvania	Consists of Lackawanna, Luzerne, and Monroe Counties, Pa.
Norwalk, Conn.	Consists of Norwalk city and Weston, Westport, and Wilton towns in Fairfield County, Conn.
Odessa, Tex.	Coextensive with Ector County, Tex.
Oklahoma City, Okla.	Consists of Canadian, Cleveland, McClain, Oklahoma, and Pottawatomie Counties, Okla.
Omaha, Nebr.-Iowa	Consists of Douglas and Sarpy Counties, Nebr. and Pottawattamie County, Iowa
Orlando, Fla.	Consists of Orange, Osceola, and Seminole Counties, Fla.
Owensboro, Ky.	Coextensive with Daviess County, Ky.
Oxnard-Simi Valley-Ventura, Calif.	Coextensive with Ventura County, Calif.
Panama City, Fla. ³	Coextensive with Bay County, Fla.
Parkersburg-Marietta, W. Va.-Ohio	Consists of Wirt and Wood Counties, W. Va. and Washington County, Ohio
Pascagoula-Moss Point, Miss. ³	Coextensive with Jackson County, Miss.
Paterson-Clifton-Passaic, N.J.	Coextensive with Passaic County, N.J.
Pensacola, Fla.	Consists of Escambia and Santa Rosa Counties, Fla.
Peoria, Ill.	Consists of Peoria, Tazewell, and Woodford Counties, Ill.
Petersburg-Colonial Heights-Hopewell, Va.	Consists of Colonial Heights, ⁵ Hopewell, ⁵ and Petersburg ⁵ cities and Dinwiddie and Prince George Counties, Va.
Philadelphia, Pa.-N.J.	Consists of Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pa.; and Burlington, Camden, and Gloucester Counties, N.J.
Phoenix, Ariz.	Coextensive with Maricopa County, Ariz.
Pine Bluff, Ark.	Coextensive with Jefferson County, Ark.
Pittsburgh, Pa.	Consists of Allegheny, Beaver, Washington, and Westmoreland Counties, Pa.
Pittsfield, Mass.	Consists of Pittsfield city and Adams, Cheshire, Dalton, Lanesborough, Lee, Lenox, and Stockbridge towns in Berkshire County, Mass.

See footnotes at end of appendix.

SMSA'S—Con.

Portland, Maine	Consists of Portland, South Portland, and Westbrook cities and Cape Elizabeth, Cumberland, Falmouth, Freeport, Gorham, Scarborough, Windham, and Yarmouth towns in Cumberland County; and Saco city and Old Orchard Beach town in York County, Maine
Portland, Oreg.-Wash.	Consists of Clackamas, Multnomah, and Washington Counties, Oreg. and Clark County, Wash.
Poughkeepsie, N.Y.	Coextensive with Dutchess County, N.Y.
Providence-Warwick-Pawtucket, R.I.-Mass.	Consists of Barrington, Bristol, and Warren towns in Bristol County; Warwick city and Coventry, East Greenwich, and West Warwick towns in Kent County; Jamestown town in Newport County; Central Falls, Cranston, East Providence, Pawtucket, Providence, and Woonsocket cities and Burrillville, Cumberland, Johnston, Lincoln, North Providence, North Smithfield, Scituate, and Smithfield towns in Providence County; and Narragansett, North Kingstown, and South Kingstown towns in Washington County, R.I.; Attleboro city and North Attleborough, Norton, Rehoboth, and Seekonk towns in Bristol County; Plainville town in Norfolk County; and Blackstone and Millville towns in Worcester County, Mass.
Provo-Orem, Utah	Coextensive with Utah County, Utah
Pueblo, Colo.	Coextensive with Pueblo County, Colo.
Racine, Wis.	Coextensive with Racine County, Wis.
Raleigh-Durham, N.C.	Consists of Durham, Orange, and Wake Counties, N.C.
Reading, Pa.	Coextensive with Berks County, Pa.
Reno, Nev.	Coextensive with Washoe County, Nev.
Richland-Kennewick, Wash.	Consists of Benton and Franklin Counties, Wash.
Richmond, Va. ^{1 3}	Consists of Richmond ⁵ city and Charles City, Chesterfield, Goochland, Hanover, Henrico, New Kent, and Powhatan Counties, Va.
Riverside-San Bernardino-Ontario, Calif.	Consists of Riverside and San Bernardino Counties, Calif.
Roanoke, Va.	Consists of Roanoke ⁵ and Salem ⁵ cities and Botetourt, Craig, and Roanoke Counties, Va.
Rochester, Minn.	Coextensive with Olmsted County, Minn.
Rochester, N.Y.	Consists of Livingston, Monroe, Ontario, Orleans, and Wayne Counties, N.Y.
Rockford, Ill.	Consists of Boone and Winnebago Counties, Ill.
Sacramento, Calif.	Consists of Placer, Sacramento, and Yolo Counties, Calif.
Saginaw, Mich.	Coextensive with Saginaw County, Mich.
St. Cloud, Minn.	Consists of Benton, Sherburne, and Stearns Counties, Minn.
St. Joseph, Mo.	Consists of Andrew and Buchanan Counties, Mo.
St. Louis, Mo.-Ill.	Consists of St. Louis ⁵ city and Franklin, Jefferson, St. Charles, and St. Louis Counties, Mo.; and Clinton, Madison, Monroe, and St. Clair Counties, Ill.
Salem, Oreg.	Consists of Marion and Polk Counties, Oreg.
Salinas-Seaside-Monterey, Calif.	Coextensive with Monterey County, Calif.
Salt Lake City-Ogden, Utah	Consists of Davis, Salt Lake, Tooele, and Weber Counties, Utah
San Angelo, Tex.	Coextensive with Tom Green County, Tex.
San Antonio, Tex.	Consists of Bexar, Comal, and Guadalupe Counties, Tex.
San Diego, Calif.	Coextensive with San Diego County, Calif.
San Francisco-Oakland, Calif.	Consists of Alameda, Contra Costa, Marin, San Francisco, and San Mateo Counties, Calif.
San Jose, Calif.	Coextensive with Santa Clara County, Calif.
Santa Barbara-Santa Maria-Lompoc, Calif.	Coextensive with Santa Barbara County, Calif.
Santa Cruz, Calif.	Coextensive with Santa Cruz County, Calif.
Santa Rosa, Calif.	Coextensive with Sonoma County, Calif.
Sarasota, Fla.	Coextensive with Sarasota County, Fla.
Savannah, Ga.	Consists of Bryan, Chatham, and Effingham Counties, Ga.
Seattle-Everett, Wash.	Consists of King and Snohomish Counties, Wash.

SMSA'S—Con.

Sherman-Denison, Tex.	Coextensive with Grayson County, Tex.
Shreveport, La.	Consists of Bossier, Caddo, and Webster Parishes, La.
Sioux City, Iowa-Nebr.	Consists of Woodbury County, Iowa and Dakota County, Nebr.
Sioux Falls, S. Dak.	Coextensive with Minnehaha County, S. Dak.
South Bend, Ind.	Consists of Marshall and St. Joseph Counties, Ind.
Spokane, Wash.	Coextensive with Spokane County, Wash.
Springfield, Ill.	Consists of Menard and Sangamon Counties, Ill.
Springfield, Mo.	Consists of Christian and Greene Counties, Mo.
Springfield, Ohio	Consists of Champaign and Clark Counties, Ohio
Springfield-Chicopee-Holyoke, Mass.-Conn.	Consists of Chicopee, Holyoke, Springfield, and Westfield cities and Agawam, East Longmeadow, Hampden, Longmeadow, Ludlow, Monson, Palmer, Southwick, West Springfield, and Wilbraham towns in Hampden County; Northampton city and Belchertown, Easthampton, Granby, Hadley, Hatfield, Southampton, and South Hadley towns in Hampshire County; Warren town in Worcester County, Mass.; and Somers town in Tolland County, Conn.
Stamford, Conn.	Consists of Stamford city and Darien, Greenwich, and New Canaan towns in Fairfield County, Conn.
Steubenville-Weirton, Ohio-W. Va.	Consists of Jefferson County, Ohio and Brooke and Hancock Counties, W. Va.
Stockton, Calif.	Coextensive with San Joaquin County, Calif.
Syracuse, N.Y.	Consists of Madison, Onondaga, and Oswego Counties, N.Y.
Tacoma, Wash.	Coextensive with Pierce County, Wash.
Tallahassee, Fla.	Consists of Leon and Wakulla Counties, Fla.
Tampa-St. Petersburg, Fla.	Consists of Hillsborough, Pasco, and Pinellas Counties, Fla.
Terre Haute, Ind.	Consists of Clay, Sullivan, Vermillion, and Vigo Counties, Ind.
Texarkana, Tex.-Texarkana, Ark.	Consists of Bowie County, Tex. and Little River and Miller Counties, Ark.
Toledo, Ohio-Mich.	Consists of Fulton, Lucas, Ottawa, and Wood Counties, Ohio and Monroe County, Mich.
Topeka, Kans.	Consists of Jefferson, Osage, and Shawnee Counties, Kans.
Trenton, N.J.	Coextensive with Mercer County, N.J.
Tucson, Ariz.	Coextensive with Pima County, Ariz.
Tulsa, Okla.	Consists of Creek, Mayes, Osage, Rogers, Tulsa, and Wagoner Counties, Okla.
Tuscaloosa, Ala.	Coextensive with Tuscaloosa County, Ala.
Tyler, Tex.	Coextensive with Smith County, Tex.
Utica-Rome, N.Y.	Consists of Herkimer and Oneida Counties, N.Y.
Vallejo-Fairfield-Napa, Calif.	Consists of Napa and Solano Counties, Calif.
Vineland-Millville-Bridgeton, N.J.	Coextensive with Cumberland County, N.J.
Waco, Tex.	Coextensive with McLennan County, Tex.
Washington, D.C.-Md.-Va. ¹⁴	Consists of District of Columbia; Charles, Montgomery, and Prince Georges Counties, Md; and Alexandria, ⁵ Fairfax, ⁵ Falls Church, ⁵ Manassas, ⁵ and Manassas Park ⁵ cities and Arlington, Fairfax, Loudoun, and Prince William Counties, Va.
Waterbury, Conn.	Consists of Thomaston, Watertown, and Woodbury towns in Litchfield County; and Waterbury city, Naugatuck borough, and Beacon Falls, Cheshire, Middlebury, Prospect, Southbury, and Wolcott towns in New Haven County, Conn.
Waterloo-Cedar Falls, Iowa	Coextensive with Black Hawk County, Iowa
West Palm Beach-Boca Raton, Fla.	Coextensive with Palm Beach County, Fla.
Wheeling, W. Va.-Ohio	Consists of Marshall and Ohio Counties, W. Va. and Belmont County, Ohio
Wichita, Kans.	Consists of Butler and Sedgwick Counties, Kans.
Wichita Falls, Tex.	Consists of Clay and Wichita Counties, Tex.
Williamsport, Pa.	Coextensive with Lycoming County, Pa.
Wilmington, Del.-N.J.-Md.	Consists of New Castle County, Del.; Salem County, N.J.; and Cecil County, Md.
Wilmington, N.C.	Consists of Brunswick and New Hanover Counties, N.C.

See footnotes at end of appendix.

SMSA'S—Con.

Worcester, Mass.	Consists of Worcester city and Auburn, Berlin, Boylston, Brookfield, Charlton, East Brookfield, Grafton, Holden, Leicester, Millbury, Northborough, Northbridge, North Brookfield, Oxford, Paxton, Shrewsbury, Spencer, Sterling, Sutton, Upton, Uxbridge, Webster, Westborough, and West Boylston towns in Worcester County, Mass.
Yakima, Wash.	Coextensive with Yakima County, Wash.
York, Pa.	Consists of Adams and York Counties, Pa.
Youngstown-Warren, Ohio	Consists of Mahoning and Trumbull Counties, Ohio

¹ Retitled from Chicago-Northeastern Indiana SCA since 1972 Economic Censuses; but no boundary change.

² Includes New York-Northeastern New Jersey SCA and Long Branch-Asbury Park, N.J., Stamford, Conn., and Norwalk, Conn., SMSA's added since 1972 Economic Censuses.

³ Newly designated SMSA since 1972 Economic Censuses.

⁴ Williamson County, Tex. added since 1972 Economic Censuses.

⁵ Independent of any county and considered a county equivalent.

⁶ Retitled from Charleston, S.C., SMSA since 1972 Economic Censuses.

⁷ Retitled from Kingsport-Bristol, Tenn.-Va., SMSA and Carter, Unicorn, and Washington Counties, Tenn., added since 1972 Economic Censuses.

⁸ Retitled from Lexington, Ky., SMSA since 1972 Economic Censuses.

⁹ Retitled from Muskegon-Muskegon Heights, Mich., SMSA since 1972 Economic Censuses.

¹⁰ Killingworth town in Middlesex County was deleted since 1972 Economic Censuses.

¹¹ Poquoson city was added since 1972 Economic Censuses.

¹² Nansemond city was deleted since 1972 Economic Censuses.

¹³ New Kent County added since 1972 Economic Censuses.

¹⁴ Manassas and Manassas Park cities added since 1972 Economic Censuses.

Abbreviations Used for State Names
(Alaska, Hawaii, Idaho, Iowa, Maine, Ohio and Utah are not abbreviated)

Ala.	Alabama	Ind.	Indiana	N.C.	North Carolina	R.I.	Rhode Island
Ariz.	Arizona	Kans.	Kansas	N. Dak.	North Dakota	S.C.	South Carolina
Ark.	Arkansas	Ky.	Kentucky	Nebr.	Nebraska	S. Dak.	South Dakota
Calif.	California	La.	Louisiana	Nev.	Nevada	Tenn.	Tennessee
Colo.	Colorado	Mass.	Massachusetts	N.H.	New Hampshire	Tex.	Texas
Conn.	Connecticut	Md.	Maryland	N.J.	New Jersey	Va.	Virginia
D.C.	District of Columbia	Mich.	Michigan	N. Mex.	New Mexico	Vt.	Vermont
Del.	Delaware	Minn.	Minnesota	N.Y.	New York	Wash.	Washington
Fla.	Florida	Miss.	Mississippi	Okla.	Oklahoma	Wis.	Wisconsin
Ga.	Georgia	Mo.	Missouri	Oreg.	Oregon	W. Va.	West Virginia
Ill.	Illinois	Mont.	Montana	Pa.	Pennsylvania	Wyo.	Wyoming

APPENDIX B. Explanation of Terms

This appendix is in two sections. Section 1 includes items for which all establishments that were mailed census of manufactures forms were requested to supply information. Section 2 covers supplementary items for which only establishments included in the annual survey of manufactures (ASM) sample were requested to supply information. Results of the supplementary ASM inquiries are included in this report. (See the Introduction, Manufacturing Universe and Census Report Forms, for a detailed explanation of the use of the ASM sample in a census of manufactures year and a description of the various report forms.)

SECTION 1. ITEMS COLLECTED ON ALL CENSUS OF MANUFACTURES REPORT FORMS

Employment and related items—The regular report forms requested separate information on production workers as of a payroll period for each quarter of the year and on other employees as of the payroll period which included the 12th of March.

All employees—This item includes all full-time and part-time employees on the payrolls of operating manufacturing establishments during any part of the pay period ending nearest the 12th of the months specified on the report form. Included are all persons on paid sick leave, paid holidays and paid vacations during these pay periods. Officers of corporations are included as employees; proprietors and partners of unincorporated firms are excluded. The "all employees" number is the average number of production workers plus the number of other employees in mid-March. The number of production workers is the average for the mid-month payroll periods of March, May, August, and November.

Production workers—This item includes workers (up through the working foreman level) engaged in fabricating, processing, assembling, inspecting, receiving, storing, handling, packing, warehousing, shipping (but not delivering), maintenance, repair, janitorial and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), recordkeeping, and other services closely associated with these production operations at the establishment covered by the report. Supervisory employees above the working foreman level are excluded from this category.

All other employees—This item covers nonproduction personnel of the manufacturing establishment, including those engaged in factory supervision above the working foreman level, sales (including driver salesmen), sales delivery (highway truck drivers and their helpers), advertising, credit, collection, installation and servicing of own products, clerical and routine office functions, executive, purchasing, financing, legal, personnel (including cafeteria, medical, etc.), professional, and technical. Also included are employees on the payroll of the manufacturing establishment who are

engaged in the construction of major additions or alterations to the plant and who are utilized as a separate work force.

In addition to reports sent to operating manufacturing establishments, information on employment during the payroll period which included March 12 and annual payrolls was also requested of administrative offices or auxiliary units (e.g., warehouses and research and development laboratories) of multiestablishment companies. However, these figures are not included in the totals for individual industries shown in this report. They are included in the Summary and Geographic Area reports and in the final bound volumes as a separate category.

Administrative office and auxiliary unit employees—As noted in the Introduction, companies were asked to file a special report form for any administrative office that was at a different location than the establishments managed or served, or at the same location as one of the establishments but not operated as an integral part of the establishment. Employees in **administrative offices** are concerned with the general management of multiestablishment companies, i.e., with the general supervision and control of two units or more, such as manufacturing plants, mines, sales branches, or stores. The functions of these employees may include (1) program planning, including sales research and coordination of purchasing, production, and distribution; (2) company purchasing, including general contracts and purchasing methods; (3) company financial policy and accounting, tax accounting, company sales and profits reports, and personnel accounting; (4) general engineering, including design of product machinery and equipment, and direction of engineering effort conducted at the individual operation locations; (5) direction of company personnel matters; and (6) legal and patent matters. **Auxiliaries** are separate storage facilities, garages, repair shops, purchasing offices, sales promotion offices, research and development organizations, etc., serving the plants or central management of the company.

The employment and payrolls of the administrative offices and auxiliaries serving manufacturing establishments are included in all tables at the "all industries" level. In tables where industry detail is shown, the data for these units appear as a separate industry group.

Payrolls—This item includes the gross earnings paid in the calendar year 1977 to all employees on the payroll of operating

manufacturing establishments. Respondents were told they could follow the definition of payrolls used for calculating the Federal withholding tax. It includes all forms of compensation such as salaries, wages, commissions, dismissal pay, all bonuses, vacation and sick leave pay, and compensation in kind, prior to such deductions as employees' Social Security contributions, withholding taxes, group insurance, union dues, and savings bonds. The total includes salaries of officers of corporations, but excludes payments to proprietors or partners of unincorporated concerns. Also excluded are payments to members of Armed Forces and pensioners carried on the active payroll of manufacturing establishments.

The census definition of payrolls is identical to that recommended to all Federal statistical agencies by the Office of Federal Statistical Policy and Standards. It should be noted that this definition does not include employers' Social Security contributions or other nonpayroll labor costs such as employees' pension plans, group insurance premiums, and workers' compensation.

The ASM provides estimates of employers' supplemental labor costs, both those required by Federal and State laws and those incurred voluntarily or as part of collective bargaining agreements. (Supplemental labor costs are explained later in this appendix.)

As in the case of employment figures, the payrolls of separate administrative offices and auxiliary units of multi-establishment companies are included in all tables at the "all industries" level. In tables where industry detail is shown, the data for these units appear as a separate industry group.

Production worker hours—This item covers hours worked or paid for at the plant, including actual overtime hours (not straight-time equivalent hours). It excludes hours paid for vacations, holidays, or sick leave when the employee was not at the plant.

Cost of materials—This item refers to direct charges actually paid or payable for items consumed or put into production during the year, including freight charges and other direct charges incurred by the establishment in acquiring these materials. It includes the cost of materials or fuel consumed, regardless of whether what was consumed was purchased by the individual establishment from other companies, transferred to it from other establishments of the same company, or withdrawn from inventory during the year.

The important components of this cost item are (1) all raw materials, semifinished goods, parts, components, containers, scrap, and supplies put into production or used as operating supplies and for repair and maintenance during the year; (2) electric energy purchased; (3) fuels consumed for heat, power, or generating electricity; (4) work done by others on materials or parts furnished by manufacturing establishments (contract work); and (5) products bought and resold in the same condition. (See discussion of duplication of data.)

Value of shipments—This item covers the received or receivable net selling values, f.o.b. plant (exclusive of freight and taxes), of all products shipped, both primary and secondary, as well as all

miscellaneous receipts, such as receipts for contract work performed for others, installation and repair, sales of scrap, and sale of products bought and resold without further processing. Included are all items made by or for the establishments from materials owned by it whether sold, transferred to other plants of the same company, or shipped on consignment. The net selling value of products made in one plant on a contract basis from materials owned by another was reported by the plant providing the materials.

In the case of multiunit companies, the manufacturer was requested to report the value of products transferred to other establishments of the same company at full economic or commercial value, i.e., including not only the direct costs of production but also a reasonable proportion of "all other costs" (including company overhead) and profit. (See discussion of duplication of data.)

Duplication in cost of materials and value of shipments—The aggregate of the cost of materials and value of shipments figures for industry groups and for all manufacturing industries includes large amounts of duplication, since the products of some industries are used as materials by others. With some important exceptions, such as for motor vehicles and parts, this duplication is not significant at the 4-digit industry level. However, it is significant at the 2-digit and 3-digit industry group level because these totals often include industries which represent successive stages in the production of a finished manufactured product. Examples are the addition of flour mills to bakeries in the "Food" group and the addition of pulp mills to paper mills in the "Paper and Allied Products" group of industries. Estimates of the overall extent of this duplication indicate that the value of manufactured products exclusive of such duplication—the value of finished manufactures—tends to approximate two-thirds of the total value of products reported in the census of manufactures.

Value added by manufacture—This measure of manufacturing activity is derived by subtracting the cost of materials, supplies, containers, fuel, purchased electricity, and contract work from the value of shipments (products manufactured plus receipts for services rendered). The result of this calculation is then adjusted by the addition of value added by merchandising operations (i.e., the difference between the sales value and the cost of merchandise sold without further manufacture, processing, or assembly) plus the net change in finished goods and work-in-process inventories between the beginning and end of the year.

"Value added" avoids the duplication in the figure for value of shipments which results from the use of products of some establishments as materials by others. Value added is considered to be the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

New and used capital expenditures—For establishments in operation and establishments under construction but not yet in operation, manufacturers were asked to report their new expenditures for (1) permanent additions and major alterations to manufacturing establishments, and (2) machinery and equip-

ment used for replacement and additions to plant capacity if they were of the type for which depreciation accounts were ordinarily maintained.

The totals for new expenditures exclude that portion of expenditures leased from nonmanufacturing concerns, new facilities owned by the Federal Government but operated under contract by private companies, and plant and equipment furnished to the manufacturer by communities and nonprofit organizations. Also excluded are expenditures for used plant and equipment (although reported in the census), expenditures for land, and cost of maintenance and repairs charged as current operating expenses.

Manufacturers were also requested to report the value of all used buildings and equipment purchased during the year at the purchase price. For any equipment or structure transferred to the use of the reporting establishment by the parent company or one of its subsidiaries, the value at which it was transferred to the establishment was to be reported. Furthermore, if the establishment changed ownership during the year, the cost of the fixed assets (building and equipment) was to be reported under used capital expenditures.

Total expenditures for used plant and equipment is a universe figure; i.e., it is collected on all census forms. However, the breakdown of this figure between expenditures for used buildings and other structures and expenditures for used machinery and equipment is collected only on the ASM form and is subject to sampling error (see table 3b, chapters 2 and 4).

End-of-year inventories—Respondents were asked to report their 1977 and 1976 end-of-year inventories at approximate current costs, if feasible; otherwise, at book values. Since different methods of inventory valuation are used (last-in-first-out (LIFO), first-in-first-out (FIFO), etc.), the definition of the value of inventories aggregate for all establishments in an industry is not precise. The change in inventory between years is of considerably greater significance.

In using inventory data by stage of fabrication for "all industries" and at the 2-digit industry level, it should be noted that an item treated as a finished product by an establishment in one industry may be reported as a raw material by another establishment in a different industry. For example, the finished product inventories of a steel mill would be reported as raw materials by a stamping plant. Such differences are present in the inventory figures by stage of fabrication shown for individual industries, industry groups, and "all manufacturing" which are aggregates of figures reported by establishments in specified industries.

SECTION 2. ITEMS COLLECTED ONLY ON ASM REPORT FORM

Cost of purchased services—ASM establishments were requested to provide information on the cost of purchased services for the repair of buildings and other structures, the repair of machinery and communication services. Included in the cost of purchased services for the repair of building and machinery are payments made for all maintenance and repair work on buildings and

equipment such as painting, roof repairs, replacing parts, and overhauling equipment. Such payments made to other establishments of the same company and for repair and maintenance of any leased property are also included. Extensive repairs or reconstruction that were capitalized are considered capital expenditures for used buildings and machinery and are, therefore, excluded from this item. Repair and maintenance costs provided by an owner as part of a rental contract and incurred directly by an establishment in using its own work force are also excluded.

The response coverage ratio for each of the three types of purchased services listed above is a measure of the extent to which respondents reported for each item. It is derived for each item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight; see appendix B) for those ASM establishments that reported the specific inquiry to the weighted total employment for all ASM establishments classified in the industry (see table 3c, chapters 2 and 4).

Rental payments—This item includes rental payments for the use of all items for which depreciation reserves would be maintained if they were owned by the establishment, e.g., structures and buildings, and production, office, and transportation equipment. Excluded are royalties and other payments for the use of intangibles and depletable assets, and land rents where separable.

When an establishment of a multiestablishment company was charged rent by another part of the same company for the use of assets owned by the company, it was instructed to exclude that cost from rental payments. However, the book value (original cost) of these company-owned assets were to be reported as assets of the establishment at the end of the year.

If there were assets at an establishment rented from another company, and the rents were paid centrally by the head office of the establishment, the company was instructed to report these rental payments as if they were paid directly by the establishment.

Supplemental labor costs—Supplemental labor costs are divided into legally required expenditures and payments for voluntary programs. The legally required portion consists primarily of Federal old age and survivors' insurance, unemployment compensation, and workers' compensation. Payments for voluntary programs include all programs not specifically required by legislation whether they were employer initiated or the result of collective bargaining. They include the employer portion of such plans as insurance premiums, premiums for supplemental accident and sickness insurance, pension plans, supplemental unemployment compensation, welfare plans, stock purchase plans on which the employer payment is not subject to withholding tax, and deferred profit-sharing plans. They exclude such items as company-operated cafeterias, in-plant medical services, free parking lots, discounts on employee purchases, and uniforms and work clothing for employees. While the excluded items do benefit employees, and all or part of their cost is generally similar to the items covered in the annual survey labor costs statistics, accounting records do not generally provide reliable figures on net employee benefits of these types.

Beginning and end-of-year depreciable assets—The data encompass all fixed depreciable assets on the books of establishments at the beginning and at the end of the year. The values shown represent the actual cost of assets at the time they were acquired, including all costs incurred in making the assets usable (such as transportation and installation). Included are all buildings, structures, machinery, and equipment (production, office, and transportation equipment) for which depreciation reserves are maintained. Excluded are nondepreciable capital assets, including inventories and intangible assets such as patent rights and royalties. Also excluded are land and depletable assets such as timber and mineral rights.

The definition of fixed depreciable assets is consistent with the definition of capital expenditures. For example, expenditures include actual capital outlays during the year, rather than the final value of equipment put in place and buildings completed during the year. Accordingly, the value of assets at the end of the year includes the value of construction in progress. In addition, respondents were requested to make certain that assets at the beginning of the year plus new and used capital expenditures, less retirements, equaled assets at the end of the year.

New and used capital expenditures—The data for total new capital expenditures, new building expenditures, new machinery expenditures, and total used capital expenditures are collected on all census forms. However, the breakdown between expenditures for used buildings and other structures and expenditures for used machinery and equipment is collected only on the ASM form. (See further explanation on capital expenditures in section 1.)

Breakdown of new capital expenditures for machinery and equipment—ASM establishments were requested to separate

their capital expenditures for new machinery and equipment into (1) automobiles, trucks, etc., for highway use; (2) computers and peripheral data processing equipment; and (3) all other.

The category "automobiles, trucks, etc., for highway use" is intended to measure expenditures for vehicles designed for highway use which were acquired through a purchase of lease-purchase agreement. Vehicles normally operating off public highways—vehicles specifically designed to transport materials, property, or equipment on mining, construction, logging, and petroleum development projects—are excluded from this item.

The "not specified by kind" or n.s.k. item for expenditures for new machinery and buildings shown in table 3b represents the total machinery and equipment expenditures for establishments that did not break down their expenditures for the three specific categories. This means that for most industries the specific categories are understated.

Retirements—Included in this item is the gross value of assets sold, retired, scrapped, destroyed, etc., during 1977. When a complete operation or establishment changed ownership, the respondent was instructed to report the value of the assets sold at the original cost as recorded in the books of the seller. The respondent was also requested to report retirements of equipment or structures owned by a parent company that the establishment was using as if it were a tenant.

Depreciation charges—This item includes depreciation and amortization charged during the year against assets. Depreciation charged against fixed assets acquired since the beginning of the year and against assets sold or retired during the year are components of this category. Respondents were requested to make certain that they did not report accumulated depreciation.

APPENDIX C. Industry Descriptions

This appendix contains descriptions of the 450 4-digit industries for which data were compiled and published in the 1977 Census of Manufactures. With two exceptions, the industries are the same as those described in the 1972 edition of the Standard Industrial Classification (SIC) Manual. SIC Industry 3572, Typewriters, was combined with Industry 3579, Office Machines, N.E.C., in the census tabulations and SIC Industry 3716, Motor Homes Produced on Purchased Chassis, was added.

The industry titles and descriptions, in general, agree with those appearing in the SIC Manual, but the descriptions have been expanded, in some instances, to include references to additional products classified in other industries.

20 FOOD AND KINDRED PRODUCTS

This major group includes establishments manufacturing or processing foods and beverages for human consumption, and certain related products, such as manufactured ice, chewing gum, vegetable and animal fats and oils, and prepared feeds for animals and fowls.

201 MEAT PRODUCTS

2011 Meatpacking Plants.—Establishments primarily engaged in the slaughtering, for their own account or on a contract basis for the trade, of cattle, hogs, sheep, lambs, and calves for meat to be sold or to be used on the same premises in canning and curing, and in making sausage, lard and other products. Establishments primarily engaged in killing, dressing, and packing poultry, rabbits, and other small game are classified in industry 2016; and those primarily engaged in killing and processing horses and other nonfood animals are classified in industry 2047. Establishments primarily engaged in manufacturing sausages and meat specialties from purchased meats are classified in industry 2013; and establishments primarily engaged in canning meat for baby food are classified in industry 2032.

2013 Sausages and Other Prepared Meat Products.—Establishments primarily engaged in manufacturing sausages, cured meats, smoked meats, canned meats, frozen meats, natural sausage casings, and other prepared meats and meat specialties from purchased carcasses and other materials. Sausage kitchens and other prepared meat plants operated by packing houses as separate establishments are also included in this industry. Establishments primarily engaged in canning or otherwise processing poultry, rabbits, and other small game are classified in industries 2016 and 2017. Establishments primarily engaged in the cutting up and resale of purchased fresh carcasses are classified in trade industries. Establishments primarily engaged in canning meat for baby food are classified in industry 2032.

2016 Poultry Dressing Plants.—Establishments primarily engaged in slaughtering and dressing poultry for their own account or on a contract basis for the trade for meat to be sold or to be used on the same premises in further processing, including cooking, smoking, raw-boning, canning, freezing, and dehydrating. This industry also includes the killing,

dressing, and packing of rabbits and other small game. Establishments primarily engaged in processing purchased carcasses are classified in industry 2017.

2017 Poultry and Egg Processing.—Establishments primarily engaged in the preparation of processed poultry products from purchased carcasses, including cooking, smoking, raw-boning, canning, freezing, and dehydrating, for their own account or on a contract basis for the trade; or in the drying, freezing, and breaking of eggs. The cleaning, oil treating, packing, and grading of eggs are classified in industry 5144. Establishments primarily engaged in the cutting up and resale of purchased fresh carcasses are classified in the trade industries.

202 DAIRY PRODUCTS

This group includes establishments primarily engaged in (1) manufacturing creamery butter, natural cheese, condensed and evaporated milk, ice cream and frozen desserts, and special dairy products such as processed cheese and malted milk and (2) processing (pasteurizing, homogenizing, vitaminizing, bottling) fluid milk and cream for wholesale or retail distribution. Independently operated milk receiving stations primarily engaged in the assembly and reshipment of bulk milk for the use of manufacturing or processing plants are classified in industry 5143.

2021 Creamery Butter.—Establishments primarily engaged in manufacturing creamery butter.

2022 Cheese, Natural and Processed.—Establishments primarily engaged in manufacturing all types of natural cheese (except cottage cheese—industry 2026), processed cheese, cheese foods, and cheese spreads.

2023 Condensed and Evaporated Milk.—Establishments primarily engaged in manufacturing condensed and evaporated milk and related products, including ice-cream mix and ice-milk mix made for sale as such, and dry milk products. Also included in the manufacture of nondairy-base cream substitutes and dietary supplements.

2024 Ice Cream and Frozen Desserts.—Establishments primarily engaged in manufacturing ice cream and other frozen desserts.

2026 Fluid Milk.—Establishments primarily engaged in processing (pasteurizing, homogenizing, vitaminizing, bottling) and distributing fluid milk and cream, and related products, including cottage cheese.

203 CANNED AND PRESERVED FRUITS AND VEGETABLES

2032 Canned Specialties.—Establishments primarily engaged in canning specialty products, such as baby foods, "native foods," health foods, and soups except seafood. Establishments primarily engaged in canning seafoods other than frozen are classified in industry 2091, frozen seafoods in industry 2092, and those primarily engaged in quick freezing canned specialties in industry 2038.

2033 Canned Fruits, Vegetables, Preserves, Jams, and Jellies.—Establishments primarily engaged in canning fruits and vegetables, and fruit and vegetable juices; and manufacturing catsup and similar tomato sauces, preserves, jams, and jellies. Establishments primarily engaged in canning seafoods (except frozen) are classified in industry 2091; and canned specialties, baby foods, and soups (except seafood) in industry 2032.

2034 Dried and Dehydrated Fruits, Vegetables, and Soup Mixes.—Establishments primarily engaged in sun drying or artificially dehydrating fruits and vegetables, or in manufacturing packaged soup mixes from dehydrated ingredients. Establishments primarily engaged in the grading and marketing of farm dried fruits, such as prunes and raisins, are classified in industry 5149.

2035 Pickled Fruits and Vegetables, Vegetable Sauces and Seasonings, and Salad Dressings.—Establishments primarily engaged in pickling and brining fruits and vegetables, and in manufacturing salad dressings, vegetable relishes, sauces, and seasonings. Establishments primarily engaged in manufacturing catsup and similar tomato sauces are classified in industry 2033, and those packing purchased pickles and olives in trade industries.

2037 Frozen Fruits, Fruit Juices and Vegetables.—Establishments primarily engaged in freezing and coldpacking (freezing) fruits, fruit juices, and vegetables.

2038 Frozen Specialties.—Establishments primarily engaged in freezing and coldpacking (freezing) food specialties such as frozen dinners and frozen pizza.

204 GRAIN MILL PRODUCTS

2041 Flour and Other Grain Mill Products.—Establishments primarily engaged in milling flour or meal from grain, except rice. The products of flour mills may be sold plain or in the form of prepared mixes or doughs for specific purposes. Establishments primarily engaged in manufacturing prepared flour mixes or doughs from purchased ingredients are classified in industry 2045, and rice milling in industry 2044.

2043 Cereal Breakfast Foods.—Establishments primarily engaged in manufacturing cereal breakfast foods and related preparations.

2044 Rice Milling.—Establishments primarily engaged in cleaning and polishing rice, and in manufacturing rice flour or meal. Other important products of this industry include brown rice, milled rice (including polished rice), rice polish, and rice bran.

2045 Blended and Prepared Flour.—Establishments primarily engaged in the preparation of blended flours and flour mixes or doughs from purchased flour. Establishments primarily engaged in milling flour from grain are classified in industry 2041.

2046 Wet Corn Milling.—Establishments primarily engaged in milling corn or sorghum grain (milo) by the wet process, and producing starch, sirup, oil, sugar, and byproducts such as gluten feed and meal. Establishments primarily engaged in manufacturing starch from other vegetable sources (potato, wheat, etc.) are also included. Establishments primarily engaged in manufacturing table sirups from corn sirup and other ingredients and those manufacturing starch-base dessert powders are classified in industry 2099.

2047 Dog, Cat and Other Pet Food.—Establishments primarily engaged in manufacturing dog, cat, and other pet food from cereal, meat, and other ingredients. These preparations may be canned, frozen, or dry. This industry also includes establishments slaughtering animals for pet food. Establishments primarily engaged in manufacturing feed for animals, other than pets, are classified in industry 2048.

2048 Prepared Feeds and Feed Ingredients for Animals and Fowls, Not Elsewhere Classified.—Establishments primarily engaged in manufacturing prepared feeds and feed ingredients and adjuncts, for animals and fowls, not elsewhere classified. This industry in-

cludes poultry and livestock feed and feed ingredients, such as alfalfa meal, feed supplements, feed concentrates, and feed premixes. Establishments primarily engaged in manufacturing pet foods are classified in industry 2047.

205 BAKERY PRODUCTS

2051 Bread and Other Bakery Products, Except Cookies and Crackers.—Establishments primarily engaged in manufacturing bread, cakes, and other “perishable” bakery products. Establishments manufacturing bakery products for sale primarily for home service delivery, or through one or more non-baking retail outlets, are included in this industry. Establishments primarily engaged in producing “dry” bakery products, such as biscuits, crackers, and cookies, are classified in industry 2052. Establishments producing bakery products primarily for direct sale on the premises to household consumers are classified in Retail Trade, industry 5462.

2052 Cookies and Crackers.—Establishments primarily engaged in manufacturing cookies, crackers, pretzels, and similar “dry” bakery products. Establishments primarily engaged in producing “perishable” bakery products are classified in industry 2051.

206 SUGAR AND CONFECTIONERY PRODUCTS

2061 Cane Sugar, Except Refining Only.—Establishments primarily engaged in manufacturing raw sugar, sirup, or finished (granulated or clarified) cane sugar from sugarcane. Establishments primarily engaged in refining sugar from purchased raw cane sirup or sugar sirups are classified in industry 2062.

2062 Cane Sugar Refining.—Establishments primarily engaged in refining purchased raw cane sugar and sugar sirup.

2063 Beet Sugar.—Establishments primarily engaged in manufacturing sugar from sugar beets.

2065 Candy and Other Confectionery Products.—Establishments primarily engaged in manufacturing candy, including chocolate candy, salted nuts, other confections, and related products. Establishments primarily engaged in manufacturing solid chocolate bars are classified in industry 2066 and chewing gum in industry 2067. Establishments primarily engaged in

manufacturing confectionery for direct sale on the premises are classified in industry 5441, and those primarily engaged in shelling and roasting nuts are classified in industry 5145.

2066 Chocolate and Cocoa Products.—Establishments primarily engaged in shelling, roasting, and grinding cacao beans for the purpose of making chocolate liquor, from which cocoa powder and cocoa butter are derived, and in the further manufacture of solid chocolate bars and chocolate coatings. Establishments primarily engaged in manufacturing products, except candy, from purchased chocolate and cocoa are classified in industry 2099, and chocolate candy in industry 2065.

2067 Chewing Gum.—Establishments primarily engaged in manufacturing chewing gum or chewing gum base.

207 FATS AND OILS

2074 Cottonseed Oil Mills.—Establishments primarily engaged in manufacturing cottonseed oil and byproduct cake, meal, and linters. Establishments primarily engaged in refining cottonseed oil into edible cooking oils are classified in industry 2079.

2075 Soybean Oil Mills.—Establishments primarily engaged in manufacturing soybean oil and byproduct cake and meal. Establishments primarily engaged in refining soybean oil into edible cooking oils are classified in industry 2079.

2076 Vegetable Oil Mills, Except Corn, Cottonseed, and Soybean.—Establishments primarily engaged in manufacturing vegetable oils and byproduct cake and meal, except corn, cottonseed, and soybean. Establishments primarily engaged in manufacturing corn oil and its byproducts are classified in industry 2046, those which are refining vegetable oils into edible cooking oils are classified in industry 2079, and those refining these oils for medicinal purposes in industry 2833.

2077 Animal and Marine Fats and Oils.—Establishments primarily engaged in manufacturing animal oils, including fish oil and other marine animal oils and fish and animal meal; and those rendering inedible grease and tallow from animal fat, bones, and meat scraps. Establishments primarily engaged in manufacturing lard and edible tallow and stearin are classified in group 201; those refining marine animal oils for medicinal purposes in industry 2833; and those manufacturing fatty acids in industry 2899.

2079 Shortening, Table Oils, Margarine and Other Edible Fats and Oils, Not Elsewhere Classified.—Establishments primarily engaged in manufacturing shortening, table oils, margarine, and other edible fats and oils, not elsewhere classified, by further processing of purchased animal and vegetable oils. Establishments primarily engaged in producing corn oil are classified in industry 2046.

208 BEVERAGES

2082 Malt Beverages.—Establishments primarily engaged in manufacturing all kinds of malt beverages. Establishments primarily engaged in bottling purchased malt beverages are classified in industry 5181.

2083 Malt.—Establishments primarily engaged in manufacturing malt or malt byproducts from barley or other grains.

2084 Wines, Brandy, and Brandy Spirits.—Establishments primarily engaged in manufacturing wines, brandy, and brandy spirits. This industry also includes bonded storerooms which are engaged in blending wines. Establishments primarily bottling purchased wines, brandy, and brandy spirits, but which do not manufacture wines and brandy, are classified in industry 5182.

2085 Distilled, Rectified, and Blended Liquors.—Establishments primarily engaged in manufacturing alcoholic liquors by distillation and rectification and in manufacturing cordials and alcoholic cocktails by blending processes or by mixing liquors and other ingredients. Establishments primarily engaged in manufacturing industrial alcohol are classified in industry 2869, and those only bottling purchased liquors in industry 5182.

2086 Bottled and Canned Soft Drinks and Carbonated Waters.—Establishments primarily engaged in manufacturing soft drinks (nonalcoholic beverages) and carbonated waters. Establishments primarily engaged in manufacturing fruit and vegetable juices are classified in group 203, fruit sirups for flavoring in industry 2087, and cider in industry 2099. Establishments primarily engaged in bottling natural spring waters are classified in industry 5149.

2087 Flavoring Extracts and Flavoring Sirups, Not Elsewhere Classified.—Establishments primarily engaged

in manufacturing flavoring extracts, sirups, and fruit juices, not elsewhere classified, for soda fountain use or for the manufacture of soft drinks, and colors for bakers' and confectioners' use. Establishments primarily engaged in manufacturing chocolate sirup are classified in industry 2066 if from cacao beans and in industry 2099 if from purchased chocolate.

209 MISCELLANEOUS FOOD PREPARATIONS AND KINDRED PRODUCTS

2091 Canned and Cured Fish and Seafoods.—Establishments primarily engaged in cooking and canning fish, shrimp, oysters, clams, crabs, and other seafoods, including soups; and those engaged in smoking, salting, drying, or otherwise curing fish for the trade. Establishments primarily engaged in shucking and packing fresh oysters in nonsealed containers, or in freezing and packaging fresh fish, are classified in industry 2092.

2092 Fresh or Frozen Packaged Fish and Seafoods.—Establishments primarily engaged in preparing fresh and raw or cooked frozen packaged fish and other seafood, including soups. This industry also includes establishments primarily engaged in the shucking and packing of fresh oysters in nonsealed containers.

2095 Roasted Coffee.—Establishments primarily engaged in roasting coffee and in manufacturing coffee concentrates and extracts in powdered, liquid, or frozen form, including freeze-dried.

2097 Manufactured Ice.—Establishments primarily engaged in manufacturing ice for sale. Ice plants operated by public utility companies are included in this industry when separate reports are available. When separate reports are not available, they should be classified in SIC Major Group 49. Establishments primarily engaged in manufacturing dry ice are classified in industry 2813.

2098 Macaroni, Spaghetti, Vermicelli, and Noodles.—Establishments primarily engaged in manufacturing dry macaroni, spaghetti, vermicelli, and noodles. Establishments primarily engaged in manufacturing canned macaroni, spaghetti, etc., are classified in industry 2032.

- 2099 Food Preparations, Not Elsewhere Classified.**—Establishments primarily engaged in manufacturing prepared foods and miscellaneous food specialties, not elsewhere classified, such as baking powder, yeast, and other leavening compounds; chocolate and cocoa products, except confectionery, made from purchased materials; peanut butter; packaged tea including instant; ground spices; potato, corn, and other chips; and vinegar and cider.

21 TOBACCO MANUFACTURES

This major group includes establishments engaged in manufacturing cigarettes, cigars, smoking and chewing tobacco, and snuff, and in stemming and redrying tobacco. The manufacture of insecticides from tobacco byproducts is included in SIC Major Group 28.

211 CIGARETTES

- 2111 Cigarettes.**—Establishments engaged in manufacturing cigarettes.

212 CIGARS

- 2121 Cigars.**—Establishments engaged in manufacturing cigars. Retail stores producing cigars are classified in trade industries.

213 TOBACCO (CHEWING AND SMOKING) AND SNUFF

- 2131 Tobacco (Chewing and Smoking) and Snuff.**—Establishments engaged in manufacturing smoking and chewing tobaccos, and snuff.

214 TOBACCO STEMMING AND REDRYING

- 2141 Tobacco Stemming and Redrying.**—Establishments primarily engaged in the stemming and redrying of tobacco. Establishments which sell leaf tobacco as merchant wholesalers, agents, or brokers, and which may be also engaged in stemming tobacco, are classified in SIC Major Group 51. Leaf tobacco warehouses which may be also engaged in stemming tobacco are classified in SIC Major Group 42.

22 TEXTILE MILL PRODUCTS

This major group includes establishments engaged in performing any of the following operations: (1) Preparation of fiber and subsequent manufacturing yarn, thread,

braids, twine, and cordage; (2) manufacturing broadwoven fabric, narrow woven fabric, knit fabric, and carpets and rugs from yarn; (3) dyeing and finishing fiber, yarn, fabric, and knit apparel; (4) coating, waterproofing, or otherwise treating fabric; (5) the integrated manufacture of knit apparel and other finished articles from yarn; and (6) the manufacture of felt goods, lace goods, nonwoven fabrics, and miscellaneous textiles.

This classification makes no distinction between the two types of organizations which operate in the textile industry: (1) The "integrated" mill which purchases materials, produces textiles and related articles within the establishment, and sells the finished products; and (2) the "contract" or "commission" mill which processes materials owned by others. Converters or other nonmanufacturing establishments which assign materials to contract mills for processing (other than knitting) are classified in nonmanufacturing industries; establishments which assign yarns to outside contractors or commission knitters for the production of knit products are classified in group 225.

221 BROADWOVEN FABRIC MILLS, COTTON

- 2211 Broadwoven Fabric Mills, Cotton.**—Establishments primarily engaged in weaving fabrics over 12 inches in width, wholly or chiefly by weight of cotton. Establishments primarily engaged in weaving cotton carpets and rugs are classified in industry 2271; those tufting carpets and rugs in industry 2272; those making tire cord and fabric in industry 2296; and finishers of cotton broadwoven fabrics in industry 2261.

222 BROAD WOVEN FABRIC MILLS, MANMADE FIBER AND SILK

- 2221 Broadwoven Fabric Mills, Manmade Fiber and Silk.**—Establishments primarily engaged in weaving fabrics over 12 inches in width, wholly or chiefly by weight of silk and manmade fibers, including glass. Establishments primarily engaged in weaving carpets and rugs from these fibers are classified in industry 2271; those tufting carpets and rugs from these fibers in industry 2272; those making tire cord and fabric in industry 2296; and finishers of manmade fiber and silk broadwoven goods in industry 2262.

223 BROADWOVEN FABRIC MILLS, WOOL (INCLUDING DYEING AND FINISHING)

- 2231 Broadwoven Fabric Mills, Wool (Including Dyeing and Finishing).**—Establishments primarily engaged in

weaving fabrics over 12 inches in width, wholly or chiefly by weight of wool, mohair, or similar animal fibers; those dyeing and finishing all woven wool fabrics or dyeing wool, tops, or yarn; and those shrinking and sponging wool goods for the trade. Establishments primarily engaged in weaving wool carpets and rugs are classified in industry 2271, and those tufting wool carpets and rugs in industry 2272.

224 NARROW FABRICS AND OTHER SMALLWARES MILLS: COTTON, WOOL, SILK, AND MANMADE FIBER

2241 Narrow Fabrics and Other Smallwares Mills: Cotton, Wool, Silk, and Manmade Fiber.—Establishments primarily engaged in weaving or braiding fabrics 12 inches or narrower in width of cotton, wool, silk, and manmade fibers, including glass fibers. Establishments primarily engaged in producing fabric-covered elastic yarn or thread are also included in this industry.

225 KNITTING MILLS

This group includes three types of organizations which operate in the knitting mill industry: (1) The "integrated" mill which purchases materials, produces textiles and related articles within the establishment, and sells the finished products; (2) the "contract" or "commission" mill which processes materials owned by others; and (3) establishments commonly known as jobbers or converters of knit goods which perform the entrepreneurial functions of a manufacturing company, such as buying the raw material, designing and preparing samples, and assigning yarns to others for knitting products on their account.

2251 Women's Full Length and Knee Length Hosiery.—Establishments primarily engaged in knitting, dyeing, or finishing women's and misses' full length and knee length hosiery, both seamless and full-fashioned, and panty hose.

2252 Hosiery, Except Women's Full Length and Knee Length Hosiery.—Establishments primarily engaged in knitting, dyeing, or finishing hosiery except women's and misses' full length and knee length seamless and full-fashioned hosiery and panty hose.

2253 Knit Outerwear Mills.—Establishments primarily engaged in knitting outerwear from yarn or in

manufacturing outerwear from knit fabric produced in the same establishment. Establishments primarily engaged in handknitting outerwear for the trade are included in this industry. Establishments primarily engaged in knitting gloves and mittens are classified in industry 2259, and those manufacturing outerwear from purchased knit fabric in SIC Major Group 23.

2254 Knit Underwear Mills.—Establishments primarily engaged in knitting underwear and nightwear from yarn or in manufacturing underwear and nightwear from knit fabric produced in the same establishment. Establishments primarily engaged in manufacturing underwear and nightwear from purchased knit fabric are classified in SIC Major Group 23.

2257 Circular Knit Fabric Mills.—Establishments primarily engaged in knitting circular (tubular) fabric or in dyeing or finishing circular (tubular) knit fabric. Establishments primarily engaged in knitting, dyeing, or finishing warp fabric are classified in industry 2258.

2258 Warp Knit Fabric Mills.—Establishments primarily engaged in knitting warp (flat) fabric or in dyeing or finishing warp (flat) knit fabric. Establishments primarily engaged in knitting, dyeing, or finishing circular fabric are classified in industry 2257.

2259 Knitting Mills, Not Elsewhere Classified.—Establishments primarily engaged in knitting gloves and other articles not elsewhere classified. Establishments primarily engaged in manufacturing woven or knit fabric gloves and mittens from purchased fabrics are classified in industry 2381.

226 DYEING AND FINISHING TEXTILES, EXCEPT WOOL FABRICS AND KNIT GOODS

2261 Finishers of Broadwoven Fabrics of Cotton.—Establishments primarily engaged in finishing purchased cotton broadwoven fabrics or finishing such fabrics on a commission basis. These finishing operations include bleaching, dyeing, printing (roller, screen, flock, plisse), and other mechanical finishing such as preshrinking, calendering, and napping. This industry also includes the shrinking and sponging of cloth for the trade, and chemical finishing for water repellency, fire resistance, and mildew proofing. Establishments primarily engaged in finishing wool broadwoven fabrics are classified in industry 2231; knit goods in group 225; and those coating or impregnating fabrics in industry 2295.

2262 Finishers of Broadwoven Fabrics of Manmade Fiber and Silk.—Establishments primarily engaged in finishing purchased manmade fiber and silk broadwoven fabrics or finishing such fabrics on a commission basis. These finishing operations include bleaching, dyeing, printing (roller, screen, flock, plisse), and other mechanical finishing such as preshrinking, calendering, and napping. Establishments primarily engaged in finishing wool broadwoven fabrics are classified in industry 2231; knit goods in group 225; and those coating or impregnating fabrics in industry 2295.

2269 Finishers of Textiles, Not Elsewhere Classified.—Establishments primarily engaged in dyeing and finishing textiles, not elsewhere classified, such as bleaching, dyeing, printing, and finishing of raw stock, yarn, braided goods, and narrow fabrics, except wool and knit fabrics. These establishments perform finishing operations on purchased textiles or on a commission basis.

227 FLOOR COVERING MILLS

2271 Woven Carpets and Rugs.—Establishments primarily engaged in weaving carpets and rugs from any textile yarn. Important products of this industry include Axminster, Wilton, velvet, and similar woven carpets and rugs; and woven automobile and aircraft floor coverings.

2272 Tufted Carpets and Rugs.—Establishments primarily engaged in tufting carpets and rugs from any textile fiber. Important products of this industry include tufted carpets, rugs, scatter rugs, and bathmats and bathmat sets except terry woven. Finishers of these products are also included in this industry.

2279 Carpets and Rugs, Not Elsewhere Classified.—Establishments primarily engaged in manufacturing rugs, carpets, art squares, floor mattings, needle punch carpeting, and doormats and mattings from twisted paper, grasses, reeds, coir, sisal, jute, or rags. Establishments primarily engaged in manufacturing hard-surface floor coverings, except rubber and cork, are classified in industry 3996.

228 YARN AND THREAD MILLS

2281 Yarn Spinning Mills: Cotton, Manmade Fibers and Silk.—Establishments primarily engaged in spinning

yarn wholly or chiefly by weight of cotton, manmade fibers, or silk. Establishments primarily engaged in dyeing or finishing purchased yarns or finishing yarns on a commission basis are classified in industry 2269.

2282 Yarn Texturizing, Throwing, Twisting, and Winding Mills: Cotton, Manmade Fibers and Silk.—Establishments primarily engaged in texturizing, throwing, twisting, winding or spooling yarn wholly or chiefly by weight of cotton, manmade fibers, or silk. Establishments primarily engaged in dyeing or finishing purchased yarns or finishing yarns on a commission basis are classified in industry 2269.

2283 Yarn Mills, Wool, Including Carpet and Rug Yarn.—Establishments primarily engaged in spinning, twisting, winding, or spooling yarn (including carpet and rug yarn) wholly or chiefly by weight of wool, mohair, or similar animal fibers. Establishments primarily engaged in dyeing or finishing purchased wool yarn or finishing wool yarn on a commission basis are classified in industry 2231.

2284 Thread Mills.—Establishments primarily engaged in manufacturing thread from natural or manmade fiber except flax (industry 2299) and wool (industry 2283). Important products of this industry include sewing, crochet, darning, embroidery, tatting, hand-knitting, and other handicraft threads.

229 MISCELLANEOUS TEXTILE GOODS

2291 Felt Goods, Except Woven Felts and Hats.—Establishments primarily engaged in manufacturing pressed felt, regardless of fiber, by means of heat, moisture, and pressure; and those making punched felt for rugs, cushions, and other products from hair, jute, wool, or other fibers by the needle loom process. Establishments primarily engaged in manufacturing woven wool felts and wool haircloth are classified in industry 2231, those manufacturing felt hats in group 235, and those manufacturing needle punch carpeting in industry 2279.

2292 Lace Goods.—Establishments primarily engaged in manufacturing lace machine products, and those primarily engaged in dyeing and finishing lace goods. Establishments primarily engaged in manufacturing Schiffli machine embroideries are classified in industry 2397. Establishments primarily engaged in manufacturing knitted lace and netting are classified in industry 2258.

2293 Paddings and Upholstery Filling.—Establishments primarily engaged in manufacturing batting, padding, wadding, and filling for upholstery, pillows, quilts, and apparel, from curled hair, cotton-mill waste, moss, hemp tow, flax tow, kapok, and related materials. Establishments primarily engaged in manufacturing wood excelsior pads and wrappers are classified in industry 2429.

2294 Processed Waste and Recovered Fibers and Flock.—Establishments primarily engaged in processing textile mill waste for spinning, padding, batting, or other uses; in recovering textile fibers from clippings and rags; in cutting flock from waste, recovered fibers, or new fiber stock; and in manufacturing oakum and twisted jute packing. Establishments primarily engaged in cleaning and sorting wiping rags or waste are classified in industry 5093.

2295 Coated Fabrics, Not Rubberized.—Establishments primarily engaged in manufacturing coated and impregnated textiles and in the special finishing of textiles, such as varnishing and waxing. Establishments primarily engaged in rubberizing purchased fabrics are classified in industry 3069, and those primarily engaged in dyeing and finishing textiles in group 226.

2296 Tire Cord and Fabric.—Establishments primarily engaged in manufacturing cord and fabric for use in reinforcing rubber tires, industrial belting, fuel cells, and similar uses.

2297 Nonwoven Fabrics.—Establishments primarily engaged in manufacturing nonwoven fabrics (by bonding and/or interlocking of fibers) by mechanical, chemical, thermal, or solvent means or by combinations thereof. Establishments primarily engaged in producing fabrics by the wool felting process are classified in other industries in this major group.

2298 Cordage and Twine.—Establishments primarily engaged in manufacturing rope, cable, cordage, twine, and related products from abaca (Manila), sisal, henequen, hemp, cotton, paper, jute, flax, manmade fibers including glass, and other fibers.

2299 Textile Goods, Not Elsewhere Classified.—Establishments primarily engaged in manufacturing linen goods, jute goods except felt, and other textile goods not elsewhere classified. Establishments primarily engaged in processing textile fibers to

prepare them for spinning, such as wool scouring and carbonizing and combing and converting tow to top, are also classified here. Establishments primarily engaged in manufacturing woven felts are classified in industry 2231, nonwoven felts in industry 2291, nonwoven textiles in industry 2297, and cordage and twine in industry 2298.

23

APPAREL AND OTHER FINISHED PRODUCTS MADE FROM FABRICS AND SIMILAR MATERIALS

This major group, known as the cutting-up and needle trades, includes establishments producing clothing and fabricating products by cutting and sewing purchased woven or knit textile fabrics and related materials such as leather, rubberized fabrics, plastics, and furs.

Included in the apparel industries are three types of establishments: (1) The "regular" or inside factories, (2) contract factories, and (3) apparel jobbers. The regular factories perform all of the usual manufacturing functions within their own plant; the contract factories manufacture apparel from materials owned by others; and apparel jobbers perform the entrepreneurial functions of a manufacturing company, such as buying raw materials, designing and preparing samples, arranging for the manufacture of the garments from their materials, and selling of the finished apparel.

Custom tailors and dressmakers not operating on a factory basis are classified in industry 5699; establishments which purchase and resell finished garments but do not perform the functions of the apparel jobbers are classified in group 513.

231 MEN'S, YOUTHS', AND BOYS' SUITS, COATS, AND OVERCOATS

2311 Men's, Youths', and Boys' Suits, Coats, and Overcoats.—Establishments primarily engaged in manufacturing men's, youths', and boys' tailored suits, coats, and overcoats. Establishments primarily engaged in manufacturing uniforms (except athletic uniforms) are also included in this industry. Establishments primarily engaged in manufacturing men's work garments are classified in industry 2328.

232 MEN'S, YOUTHS', AND BOYS' FURNISHINGS, WORK CLOTHING, AND ALLIED GARMENTS

2321 Men's, Youths', and Boys' Shirts (Except Work Shirts) and Nightwear.—Establishments primarily

engaged in manufacturing men's, youths', and boys' shirts (including polo and sports shirts) and nightwear, cut and sewed from purchased woven or knit fabric. Establishments primarily engaged in manufacturing work shirts are classified in industry 2328. Knitting mills primarily engaged in manufacturing nightwear are classified in industry 2254, and outerwear in industry 2253.

2322 Men's, Youths', and Boys' Underwear.—Establishments primarily engaged in manufacturing men's, youths', and boys' underwear, cut and sewed from purchased woven or knit fabric. Knitting mills primarily engaged in manufacturing underwear are classified in industry 2254.

2323 Men's, Youths', and Boys' Neckwear.—Establishments primarily engaged in manufacturing men's, youths', and boys' neckties, scarfs, and mufflers, cut and sewed from purchased woven or knit fabric. Knitting mills primarily engaged in manufacturing neckties, scarfs, and mufflers are classified in industry 2253.

2327 Men's, Youths', and Boys' Separate Trousers.—Establishments primarily engaged in manufacturing men's, youths', and boys' separate trousers and slacks. Establishments primarily engaged in manufacturing complete suits are classified in industry 2311, and work pants and jeans in industry 2328.

2328 Men's, Youths', and Boys' Work Clothing.—Establishments primarily engaged in manufacturing men's, youths', and boys' work shirts, pants, jeans, and other work clothing and washable service apparel.

2329 Men's, Youths', and Boys' Clothing, Not Elsewhere Classified.—Establishments primarily engaged in manufacturing men's, youths', and boys' clothing not elsewhere classified. Establishments primarily engaged in manufacturing polo and sport shirts from purchased woven or knit materials are classified in industry 2321; separate trousers in industry 2327; work clothing in industry 2328; and leather and sheep lined garments in industry 2386. Knitting mills primarily engaged in manufacturing outerwear are classified in industry 2253.

233 WOMEN'S, MISSES', AND JUNIORS' OUTERWEAR

2331 Women's, Misses', and Juniors' Blouses, Waists, and Shirts.—Establishments primarily engaged in manu-

facturing women's, misses', and juniors' blouses, waists, and shirts. Knitting mills primarily engaged in manufacturing outerwear are classified in industry 2253. Establishments primarily engaged in manufacturing girls', children's, and infants' blouses, waists, and shirts are classified in industry 2361.

2335 Women's, Misses', and Juniors' Dresses.—Establishments primarily engaged in manufacturing women's, misses', and juniors' dresses, including ensemble dresses and pants dresses, whether sold by the piece or by the dozen. Establishments primarily engaged in manufacturing girls', children's, and infants' dresses are classified in industry 2361.

2337 Women's, Misses', and Juniors' Suits, Skirts, and Coats.—Establishments primarily engaged in manufacturing women's, misses', and juniors' suits, pantsuits, skirts, and coats except furcoats and raincoats. These garments are generally tailored and usually lined. Establishments primarily engaged in manufacturing fur garments are classified in industry 2371, raincoats in industry 2385, and knitting mills primarily engaged in manufacturing knit outerwear in industry 2253.

2339 Women's, Misses', and Juniors' Outerwear, Not Elsewhere Classified.—Establishments primarily engaged in manufacturing women's, misses', and juniors' outerwear, not elsewhere classified, cut and sewed from purchased woven or knit fabric. Knitting mills primarily engaged in manufacturing outerwear are classified in industry 2253.

234 WOMEN'S, MISSES', CHILDREN'S, AND INFANTS' UNDERGARMENTS

2341 Women's, Misses', Children's, and Infants' Underwear and Nightwear.—Establishments primarily engaged in manufacturing women's, misses', children's, and infants' underwear and nightwear, cut and sewed from purchased woven or knit fabric. Knitting mills primarily engaged in manufacturing underwear and nightwear are classified in industry 2254.

2342 Brassieres, Girdles, and Allied Garments.—Establishments primarily engaged in manufacturing brassieres, girdles, corsets, corset accessories, and allied garments. Establishments primarily engaged in manufacturing surgical and orthopedic appliances are classified in industry 3842.

235 HATS, CAPS, AND MILLINERY

2351 Millinery.—Establishments primarily engaged in manufacturing women's, misses', children's, and infants' millinery. Establishments primarily engaged in manufacturing millinery braid and trimmings are classified in industry 2396.

2352 Hats and Caps, Except Millinery.—Establishments primarily engaged in manufacturing hats and caps (except millinery) and all hat bodies. Knitting mills primarily engaged in manufacturing caps are classified in industry 2253.

236 GIRLS', CHILDREN'S, AND INFANTS' OUTERWEAR

2361 Girls', Children's, and Infants' Dresses, Blouses, Waists, and Shirts.—Establishments primarily engaged in manufacturing girls', children's, and infants' dresses, blouses, waists, and shirts, cut and sewed from purchased woven or knit fabric. Knitting mills primarily engaged in manufacturing outerwear are classified in industry 2253.

2363 Girls', Children's, and Infants' Coats and Suits.—Establishments primarily engaged in manufacturing girls', children's, and infants' coats and suits, cut and sewed from purchased woven or knit fabric. Knitting mills primarily engaged in manufacturing outerwear are classified in industry 2253.

2369 Girls', Children's, and Infants' Outerwear, Not Elsewhere Classified.—Establishments primarily engaged in manufacturing girls', children's, and infants' outerwear, not elsewhere classified, cut and sewed from purchased woven or knit fabric. Knitting mills primarily engaged in manufacturing outerwear are classified in industry 2253.

237 FUR GOODS

2371 Fur Goods.—Establishments primarily engaged in manufacturing furcoats, and other garments, accessories, and trimmings made of fur. Establishments primarily engaged in manufacturing sheep lined clothing are classified in industry 2386, and those engaged in dyeing and dressing of furs in industry 3999.

238 MISCELLANEOUS APPAREL AND ACCESSORIES

2381 Dress and Work Gloves, Except Knit and All-Leather.—Establishments primarily engaged in manufacturing dress, semidress, and work gloves and mittens, cut and sewed from purchased woven or knit fabric, or these materials combined with leather or plastic. Knitting mills primarily engaged in manufacturing gloves and mittens are classified in industry 2259, establishments primarily engaged in manufacturing leather gloves in industry 3151, those manufacturing rubber gloves in industry 3069, and plastic gloves in industry 3079.

2384 Robes and Dressing Gowns.—Establishments primarily engaged in manufacturing men's and women's robes and dressing gowns.

2385 Raincoats and Other Waterproof Outer Garments.—Establishments primarily engaged in manufacturing raincoats from purchased rubberized fabrics and other waterproof outer garments made from such material as pliofilm and cellophane. Establishments primarily engaged in manufacturing oiled fabric work garments are classified in industry 2328, and those manufacturing vulcanized rubber garments and garments made from rubberized fabrics produced in the same establishment are classified in industry 3069.

2386 Leather and Sheep Lined Clothing.—Establishments primarily engaged in manufacturing leather and sheep lined garments. Establishments primarily engaged in manufacturing leather gloves and mittens are classified in industry 3151, and fur garments in industry 2371.

2387 Apparel Belts.—Establishments primarily engaged in manufacturing men's and women's apparel belts, regardless of material.

2389 Apparel and Accessories, Not Elsewhere Classified.—Establishments primarily engaged in manufacturing suspenders, garters, handkerchiefs, and other apparel, not elsewhere classified, such as academic caps and gowns, vestments, and theatrical costumes.

239 MISCELLANEOUS FABRICATED TEXTILE PRODUCTS

2391 Curtains and Draperies.—Establishments primarily engaged in manufacturing curtains and draperies from

purchased materials. Establishments primarily engaged in manufacturing lace curtains on lace machines are classified in industry 2292.

2392 Housefurnishings, Except Curtains and Draperies.—

Establishments primarily engaged in manufacturing housefurnishings, such as blankets, bedspreads, sheets, tablecloths, and towels from purchased materials. Establishments primarily engaged in manufacturing curtains and draperies are classified in industry 2391. Establishments producing housefurnishings primarily of fabric woven at the same establishment are classified according to fiber in industries 2211, 2221, or 2231.

2393 Textile Bags.—Establishments primarily engaged in manufacturing shipping and other industrial bags from purchased fabric. Establishments primarily engaged in manufacturing plastic bags are classified in industry 2643; laundry, wardrobe, shoe, and other textile housefurnishing bags in industry 2392; and luggage in industry 3161.

2394 Canvas and Related Products.—Establishments primarily engaged in manufacturing awnings, tents, and related products from purchased fabric. Establishments primarily engaged in manufacturing canvas bags are classified in industry 2393.

2395 Pleating, Decorative and Novelty Stitching, and Tucking for the Trade.—Establishments primarily engaged in pleating, decorative and novelty stitching, and tucking for the trade. Establishments primarily engaged in performing similar services for individuals are classified in service industries. Establishments primarily engaged in manufacturing trimmings are classified in industry 2396.

2396 Automotive Trimmings, Apparel Findings, and Related Products.—Establishments primarily engaged in manufacturing automotive trimmings and apparel findings and related products.

2397 Schiffli Machine Embroideries.—Establishments primarily engaged in manufacturing Schiffli machine embroideries.

2399 Fabricated Textile Products, Not Elsewhere Classified.—Establishments primarily engaged in manufacturing fabricated textile products not elsewhere classified.

24

**LUMBER AND WOOD PRODUCTS,
EXCEPT FURNITURE**

This major group includes logging camps engaged in cutting timber and pulpwood; merchant sawmills, lath mills, shingle mills, cooperage stock mills, planing mills, and plywood mills and veneer mills engaged in producing lumber and wood basic materials; and establishments engaged in manufacturing finished articles made entirely or mainly of wood or wood substitutes. Certain types of establishments producing wood products are classified elsewhere. For example, furniture and office and store fixtures are classified in SIC Major Group 25; musical instruments, toys, playground equipment, and caskets in SIC Major Group 39. Woodworking in connection with construction in the nature of reconditioning and repair or performed to individual order, is classified in non-manufacturing industries.

241 LOGGING CAMPS AND LOGGING CONTRACTORS

2411 Logging Camps and Logging Contractors.—Logging camps and logging contractors primarily engaged in cutting timber and in producing rough, round, hewn, or riven primary forest or wood raw materials. Independent contractors engaged in estimating or trucking timber, but who perform no cutting operations, are classified in nonmanufacturing industries. Logging and woods operations conducted in combination with sawmills, pulpmills, or other converting establishments, and not separately reported, are classified in their respective industry groups; namely, with sawmills in SIC group 242, veneer and plywood mills in SIC group 243, pulpmills in SIC Major Group 26, and charcoal and wood distillation plants in SIC group 286. Establishments primarily engaged in the collection of bark, sap, gum, and other forest byproducts are classified in SIC Major Group 08.

242 SAWMILLS AND PLANING MILLS

2421 Sawmills and Planing Mills, General.—Establishments primarily engaged in sawing rough lumber and timber from logs and bolts, or resawing cants and flitches into lumber, including box lumber and softwood cut stock; planing mills combined with sawmills; and separately operated planing mills which are engaged primarily in producing surfaced

lumber and standard workings or patterns of lumber. This industry includes establishments primarily engaged in sawing lath and railroad ties and in producing tobacco hogshead stock, wood chips, and snow fence lath. Establishments primarily engaged in manufacturing box shook or boxes are classified in SIC group 244; sash, doors, wood molding, window and door frames, and other fabricated millwork in SIC group 243; and hardwood dimension and flooring in industry 2426. Logging camps combined with sawmills, when not separately reported, are included in this industry.

- 2426 Hardwood Dimension and Flooring Mills.**—Establishments primarily engaged in manufacturing hardwood dimension lumber and workings therefrom; other hardwood dimension, semifabricated or ready for assembly; hardwood flooring; and wood frames for household furniture. Establishments primarily engaged in manufacturing stairwork, molding, and trim are classified in industry 2431; and those manufacturing textile machinery bobbins, picker sticks, and shuttles in industry 3552.
- 2429 Special Product Sawmills, Not Elsewhere Classified.**—Mills primarily engaged in manufacturing excelsior, wood shingles, and cooperage stock; and in sawing special products not elsewhere classified.

243 MILLWORK, VENEER, PLYWOOD, AND STRUCTURAL WOOD MEMBERS

- 2431 Millwork.**—Establishments primarily engaged in manufacturing fabricated millwork. Planing mills primarily engaged in producing millwork are included in this industry, but planing mills primarily producing standard workings or patterns of lumber are classified in industry 2421. Establishments primarily manufacturing wood kitchen cabinets and bathroom vanities are classified in industry 2434.
- 2434 Wood Kitchen Cabinets.**—Establishments primarily engaged in manufacturing wood kitchen cabinets and wood bathroom vanities.
- 2435 Hardwood Veneer and Plywood.**—Establishments primarily engaged in producing commercial hardwood veneer, either face or technical, and those primarily engaged in manufacturing commercial plywood or prefinished hardwood plywood. This includes nonwood backed or faced veneer and nonwood faced plywood from veneer produced in the same estab-

lishment or from purchased veneer. Establishments primarily engaged in the production of veneer which is used in the same establishment for the manufacture of end products such as fruit and vegetable baskets and wood boxes are classified in industries 2441 and 2449.

- 2436 Softwood Veneer and Plywood.**—Establishments primarily engaged in producing commercial softwood veneer and plywood from veneer produced in the same establishment or from purchased veneer. Establishments primarily engaged in producing commercial hardwood veneer and plywood are classified in industry 2435. Establishments primarily engaged in the production of veneer which is used in the same establishment for the manufacture of end products such as fruit and vegetable baskets and wood boxes are classified in industries 2441 and 2449.
- 2439 Structural Wood Members, Not Elsewhere Classified.**—Establishments primarily engaged in producing laminated or fabricated trusses, arches, and other structural members of lumber. Establishments primarily engaged in fabrication on the site of construction are classified in Division C, Construction. Establishments primarily engaged in producing prefabricated wooden buildings, sections, and panels are classified in industry 2452.

244 WOOD CONTAINERS

- 2441 Nailed and Lock Corner Wood Boxes and Shook.**—Establishments primarily engaged in manufacturing nailed and lock corner wood boxes (lumber or plywood) and those which also may produce shook for nailed and lock corner boxes.
- 2448 Wood Pallets and Skids.**—Establishments primarily engaged in manufacturing wood and wood-metal combination pallets and skids.
- 2449 Wood Containers, Not Elsewhere Classified.**—Establishments primarily engaged in manufacturing wood containers, not elsewhere classified, such as cooperage, wirebound boxes and crates, and other veneer and plywood containers. Establishments primarily engaged in manufacturing tobacco hogshead stock are classified in industry 2421, and those manufacturing cooperage stock in industry 2429.

245 WOOD BUILDINGS AND MOBILE HOMES

2451 Mobile Homes.—Establishments primarily engaged in manufacturing mobile homes. These mobile homes are generally over 35 feet long, at least 8 feet wide, do not have facilities for storage of water or waste, and are equipped with wheels. These products may also have nonresidential uses such as classrooms or offices. Trailers that are generally 35 feet long or less, 8 feet wide or less, and with self-contained facilities are classified in industry 3792. Portable buildings not equipped with wheels are classified in industry 2452.

2452 Prefabricated Wood Buildings and Components.—Establishments primarily engaged in manufacturing prefabricated wood buildings, sections, and panels. Establishments primarily engaged in fabricating buildings on the site of construction are classified in Division C, Construction.

249 MISCELLANEOUS WOOD PRODUCTS

2491 Wood Preserving.—Establishments primarily engaged in treating wood, sawed or planed in other establishments, with creosote or other preservatives to prevent decay and to protect against fire and insects. This industry also includes the cutting, treating, and selling of poles, posts, and piling, but establishments primarily engaged in manufacturing other wood products, which they may also treat with preservatives, are not included.

2492 Particleboard.—Establishments primarily engaged in manufacturing wood panel products from small wood particles. This includes preparation of small particles of wood, drying, mixing with a synthetic resin binder, and compressing. Pressing may take place in hydraulic presses with heated platens or by extrusion.

2499 Wood Products, Not Elsewhere Classified.—Establishments primarily engaged in turning and shaping wood and manufacturing miscellaneous wood products, not elsewhere classified, from rattan, reed, splint, straw, veneer, veneer strips, wicker, and willow. This industry also includes establishments manufacturing lasts and related products, cork products, hardboard, and wood or metal mirror and picture frames. Establishments primarily engaged in manufacturing particleboard are classified in industry 2492, and those manufacturing pallets and skids in industry 2448.

25**FURNITURE AND FIXTURES**

This major group includes establishments engaged in manufacturing household, office, public building, and restaurant furniture; and office and store fixtures. Establishments primarily engaged in the production of millwork are classified in industry 2431; wood kitchen cabinets in industry 2434; cut stone and concrete furniture in SIC Major Group 32; laboratory and hospital furniture in SIC Major Group 38; beauty and barber shop furniture in SIC Major Group 39; and woodworking to individual order or in the nature of reconditioning and repair in nonmanufacturing industries.

251 HOUSEHOLD FURNITURE**2511 Wood Household Furniture, Except Upholstered.**—

Establishments primarily engaged in manufacturing wood household furniture commonly used in dwellings. This industry also includes establishments manufacturing camp furniture. Establishments primarily engaged in manufacturing upholstered furniture are classified in industry 2512; reed and rattan furniture in industry 2519; television, radio, phonograph, and sewing machine cabinets in industry 2517; and kitchen cabinets and bathroom vanities in industry 2434.

2512 Wood Household Furniture, Upholstered.—Establishments primarily engaged in manufacturing upholstered furniture on wood frames. Shops primarily engaged in reupholstering furniture, or upholstering frames to individual order, are classified in nonmanufacturing industries. Establishments primarily engaged in manufacturing dual-purpose sleep furniture, such as studio couches, sofa beds, and chair beds, are classified in industry 2515, regardless of the material used in the frame. Establishments primarily engaged in manufacturing wood frames for upholstered furniture are classified in industry 2426.

2514 Metal Household Furniture.—Establishments primarily engaged in manufacturing padded or plain metal household furniture of a type commonly used in dwellings. Establishments primarily engaged in manufacturing dual-purpose sleep furniture, such as studio couches, sofa beds, and chair beds, are classified in industry 2515, regardless of the material used in the frame.

2515 Mattresses and Bedsprings.—Establishments primarily engaged in manufacturing innerspring mattresses, box spring mattresses, and noninnerspring mattresses containing felt, form rubber, urethane, hair, or any other filling material; and assembled wire springs (fabric, coil, or box) for use on beds, couches, and cots. This industry also includes establishments primarily engaged in manufacturing dual-purpose sleep furniture, such as studio couches, sofa beds, and chair beds, regardless of the material used in the frame. Establishments primarily engaged in manufacturing automobile seats and backs are classified in industry 2531; individual wire springs in industry 3495; and paddings and upholstery filling in industry 2293.

2517 Wood Television, Radio, Phonograph, and Sewing Machine Cabinets.—Establishments primarily engaged in manufacturing wood cabinets for radios, television sets, phonographs, and sewing machines.

2519 Household Furniture, Not Elsewhere Classified.—Establishments primarily engaged in manufacturing reed, rattan, and other wicker furniture, plastics and fiberglass household furniture and cabinets, and household furniture not elsewhere classified.

252 OFFICE FURNITURE

2521 Wood Office Furniture.—Establishments primarily engaged in manufacturing wood office furniture, whether padded, upholstered, or plain.

2522 Metal Office Furniture.—Establishments primarily engaged in manufacturing metal office furniture, whether padded or plain. Establishments primarily engaged in manufacturing safes and vaults are classified in industry 3499.

253 PUBLIC BUILDING AND RELATED FURNITURE

2531 Public Building and Related Furniture.—Establishments primarily engaged in manufacturing furniture for schools, theaters, assembly halls, churches, and libraries. Establishments primarily engaged in manufacturing seats for public conveyances, as well as seats for automobiles and aircraft, are included in this industry. Establishments primarily engaged in manufacturing stone furniture are classified in industry 3281, and concrete furniture in industry 3272.

254 PARTITIONS, SHELVING, LOCKERS, AND OFFICE AND STORE FIXTURES

2541 Wood Partitions, Shelving, Lockers, and Office and Store Fixtures.—Establishments primarily engaged in manufacturing wood shelving, lockers, office and store fixtures, prefabricated partitions, plastic laminated fixture tops, and related fabricated products. Establishments primarily engaged in manufacturing refrigerated cabinets, show cases, and display cases are classified in industry 3585, and safes and vaults in industry 3499.

2542 Metal Partitions, Shelving, Lockers, and Office and Store Fixtures.—Establishments primarily engaged in manufacturing metal shelving, storage racks, lockers, office and store fixtures, prefabricated partitions, and related fabricated products. Establishments primarily engaged in manufacturing refrigerated cabinets, show cases, and display cases are classified in industry 3585, and safes and vaults in industry 3499.

259 MISCELLANEOUS FURNITURE AND FIXTURES

2591 Drapery Hardware and Window Blinds and Shades.—Establishments primarily engaged in manufacturing curtain and drapery rods, poles, and fixtures; and venetian blinds and other window blinds and shades, regardless of the materials used, except canvas shades and awnings (industry 2394).

2599 Furniture and Fixtures, Not Elsewhere Classified.—Establishments primarily engaged in manufacturing furniture and fixtures, not elsewhere classified, including furniture specially designed for use in restaurants, bars, cafeterias, bowling establishments, and ships.

26 PAPER AND ALLIED PRODUCTS

This major group includes the manufacture of pulps from wood and other cellulose fibers, and from rags; the manufacture of paper and paperboard; and the manufacture of paper and paperboard into converted products such as paper coated off the paper machine, paper bags, paper boxes and envelopes. Certain types of converted paper products are classified elsewhere, such as abrasive paper in industry 3291, carbon paper in industry 3955, and photosensitized and blueprint paper in industry 3861.

261 PULPMILLS

2611 Pulp Mills.—Establishments primarily engaged in manufacturing pulp from wood or from other materials such as rags, linters, wastepaper, and straw. Logging camps operated by pulpmills, and not separately reported, are also included in this industry. Establishments primarily engaged in cutting pulpwood are classified in industry 2411; and pulpmills combined with papermills or paperboard mills, and not separately reported, are classified with the latter in industries 2621 and 2631, respectively.

262 PAPERMILLS, EXCEPT BUILDING PAPERMILLS

2621 Papermills, Except Building Papermills.—Establishments primarily engaged in manufacturing paper (except building paper—industry 2661) from woodpulp and other fibers, and which may also manufacture converted paper products. Pulp mills combined with papermills, and not separately reported, are also included in this industry; where separately reported, they are classified in industry 2611. Establishments primarily engaged in manufacturing converted paper products from purchased paper stock are classified in SIC groups 264 or 265.

263 PAPERBOARD MILLS

2631 Paperboard Mills.—Establishments primarily engaged in manufacturing paperboard, including paperboard coated on the paperboard machine, from woodpulp and other fibers; and which may also manufacture converted paperboard products. Pulp mills combined with paperboard mills, and not separately reported, are also included in this industry; where separately reported, they are classified in industry 2611. Establishments primarily engaged in manufacturing converted paperboard products from purchased paperboard are classified in SIC groups 264 or 265, and building board in industry 2661.

264 CONVERTED PAPER AND PAPERBOARD PRODUCTS, EXCEPT CONTAINERS AND BOXES

2641 Paper Coating and Glazing.—Establishments primarily engaged in manufacturing coated, glazed, or varnished paper from purchased paper. Also included are establishments primarily manufacturing pressure

sensitive tape with backing of any material other than rubber. Establishments primarily engaged in manufacturing carbon paper are classified in industry 3955, and photographic and blueprint paper in industry 3861.

2642 Envelopes.—Establishments primarily engaged in manufacturing envelopes of any description from purchased paper and paperboard. Establishments primarily engaged in manufacturing papeteries (boxed stationery) are classified in industry 2648.

2643 Bags, Except Textile Bags.—Establishments primarily engaged in manufacturing bags from purchased paper, cellophane, acetate, polyethylene, polypropylene, pliofilm, foil, and similar sheet or film materials.

2645 Die-Cut Paper and Paperboard and Cardboard.—Establishments primarily engaged in diecutting purchased paper and paperboard; and in manufacturing cardboard by laminating, lining, or surface coating paperboard. Establishments primarily engaged in laminating building paper or building board from purchased paper or board are classified in industry 2649.

2646 Pressed and Molded Pulp Goods.—Establishments primarily engaged in manufacturing all kinds of pressed and molded pulp goods, including papier-mache articles other than statuary and art goods (industry 3299). Establishments primarily engaged in manufacturing plates and utensils from paper are classified in industry 2654.

2647 Sanitary Paper Products.—Establishments primarily engaged in manufacturing, from purchased paper, sanitary paper products, such as facial tissues and handkerchiefs, table napkins, toilet paper, towels, disposable diapers, and sanitary napkins and tampons.

2648 Stationery, Tablets, and Related Products.—Establishments primarily engaged in manufacturing stationery, tablets, looseleaf fillers, and related items from purchased paper. Establishments primarily engaged in manufacturing envelopes are classified in industry 2642.

2649 Converted Paper and Paperboard Products, Not Elsewhere Classified.—Establishments primarily engaged in manufacturing from purchased paper or paperboard miscellaneous converted paper or paperboard

products not elsewhere classified. Establishments primarily engaged in manufacturing sanitary paper products from purchased paper are classified in industry 2647. The paper stock used for wallpaper, called "hanging paper," is classified in industry 2621. Establishments primarily engaged in manufacturing stationery, tablets, and related products are classified in industry 2648.

265 PAPERBOARD CONTAINERS AND BOXES

- 2651 Folding Paperboard Boxes.**—Establishments primarily engaged in manufacturing folding paperboard boxes from purchased paperboard.
- 2652 Set-up Paperboard Boxes.**—Establishments primarily engaged in manufacturing set-up paperboard boxes from purchased paperboard.
- 2653 Corrugated and Solid Fiber Boxes.**—Establishments primarily engaged in manufacturing corrugated and solid fiber boxes and related products from purchased paperboard of fiber stock. Important products of this industry include corrugated and solid fiberboard boxes, pads, partitions, display items, pallets, single-face products, and corrugated sheets.
- 2654 Sanitary Food Containers.**—Establishments primarily engaged in manufacturing food containers from special food board. Important products of this industry include fluid milk containers; folding paraffined cartons for butter, margarine, and shortening; ice cream containers; frozen food containers; liquid tight containers; round nested food containers; paper cups for hot or cold drinks; pails for food and ice cream; and stamped plates, dishes, spoons, and similar products. Establishments primarily engaged in manufacturing similar items of plastics materials are classified in industry 3079.
- 2655 Fiber Cans, Tubes, Drums, and Similar Products.**—Establishments primarily engaged in manufacturing from purchased materials fiber cans, cones, drums, similar products with or without metal ends, and vulcanized fiber boxes.

266 BUILDING PAPER AND BUILDING BOARD MILLS

- 2661 Building Paper and Building Board Mills.**—Establishments primarily engaged in manufacturing building

paper and building board from woodpulp and other fibrous materials. Pulp mills combined with building paper and building board mills, and not separately reported, are also included in this industry; where separately reported, they are classified in industry 2611.

27 PRINTING, PUBLISHING, AND ALLIED INDUSTRIES

This major group includes establishments engaged in printing by one or more of the common processes, such as letterpress, lithography, gravure, or screen; and those establishments which perform services for the printing trade, such as bookbinding, typesetting, engraving, photoengraving, and electrotyping. This major group also includes establishments engaged in publishing newspapers, books, and periodicals, regardless of whether or not they do their own printing. News syndicates are classified in service industries, (industry 7351) and textile printing and finishing in SIC Major Group 22.

271 NEWSPAPERS: PUBLISHING, PUBLISHING AND PRINTING

- 2711 Newspapers: Publishing, Publishing and Printing.**—Establishments primarily engaged in publishing newspapers or in publishing and printing newspapers. These establishments carry on the various operations necessary for issuing newspapers, including the gathering of news and the preparation of editorials and advertisements, but may or may not perform their own printing. Commercial printing is frequently carried on by establishments engaged in publishing and printing newspapers, but, even though the commercial printing may be of major importance, such establishments are included in this industry. Establishments not engaged in publishing newspapers, but which print or lithograph newspapers for publishers, are classified in SIC group 275. News syndicates are classified in service industries (industry 7351).

272 PERIODICALS: PUBLISHING, PUBLISHING AND PRINTING

- 2721 Periodicals: Publishing, Publishing and Printing.**—Establishments primarily engaged in publishing periodicals or in preparing, publishing, and printing

periodicals. These establishments carry on the various operations necessary for issuing periodicals, but may or may not perform their own printing. Establishments not engaged in publishing periodicals, but which print or lithograph periodicals for publishers, are classified in SIC group 275.

273 BOOKS

2731 Books: Publishing, Publishing and Printing.—Establishments primarily engaged in publishing only, or in publishing and printing books and pamphlets. Establishments primarily engaged in printing or in printing and binding (but not publishing) books and pamphlets are classified in industry 2732.

2732 Book Printing.—Establishments primarily engaged in printing only or in printing and binding books and pamphlets, but not engaged in publishing. Establishments primarily engaged in publishing, or in publishing and printing books and pamphlets, are classified in industry 2731. Establishments engaged in both printing and binding books, but primarily binding books printed elsewhere, are classified in industry 2789.

274 MISCELLANEOUS PUBLISHING

2741 Miscellaneous Publishing.—Establishments primarily engaged in miscellaneous publishing activities, not elsewhere classified, whether or not engaged in printing. Establishments primarily engaged in offering financial, credit, or other business services, and which may publish directories as part of this service, are not included in this industry but are classified in service industries.

275 COMMERCIAL PRINTING

2751 Commercial Printing, Letterpress and Screen.—Establishments primarily engaged in letterpress and screen commercial or job printing, including flexographic. This industry includes general printing shops, as well as shops specializing in printing newspapers and periodicals for others, and those which specialize in screen printing. Establishments primarily engaged in printing books, without publishing, are classified in industry 2732, and greeting cards in industry 2771. Establishments primarily engaged in printing from lithographic plates are classified in industry 2752, and gravure and rotogravure printing in industry 2754.

2752 Commercial Printing, Lithographic.—Establishments primarily engaged in printing by the lithographic process. The greater part of the work in this industry is performed on a job or custom basis; but, in some cases, lithographed calendars, maps, posters, decalcomanias, etc., are made for sale. Offset printing, photo-offset printing, and photolithographing are also included in this industry. Establishments primarily engaged in lithographing books and pamphlets, without publishing, are classified in industry 2732, and greeting cards in industry 2771. Establishments primarily engaged in preparing lithographic plates and in related services are classified in industry 2795.

2753 Engraving and Plate Printing.—Establishments primarily engaged in engraving and etching steel, copper, wood, or rubber plates; in using these plates to print stationery, visiting and other cards, invitations, maps, etc.; and in making woodcuts for use in printing illustrations, posters, etc. Engraving for purposes other than printing is classified in industry 3479.

2754 Commercial Printing, Gravure.—Establishments primarily engaged in gravure printing.

276 MANIFOLD BUSINESS FORMS

2761 Manifold Business Forms.—Establishments primarily engaged in designing and printing, by any process, special forms for use in the operation of a business, in single and multiple sets, including carbonized or interleaved with carbon or otherwise processed for multiple reproduction.

277 GREETING CARD PUBLISHING

2771 Greeting Card Publishing.—Establishments primarily engaged in the designing, publishing, and printing by any process of greeting cards for all occasions.

278 BLANKBOOKS, LOOSELEAF BINDERS, AND BOOKBINDING AND RELATED WORK

2782 Blankbooks, Looseleaf Binders, and Devices.—Establishments primarily engaged in manufacturing blankbooks, looseleaf devices, and library binders; and in ruling paper.

2789 Bookbinding and Related Work.—Establishments primarily engaged in edition, trade, job, and library bookbinding; in book or paper bronzing, gilding, and edging; in map and sample mounting; and other services related to bookbinding. Establishments primarily binding books printed elsewhere are classified in this industry, but those primarily binding books printed in the same establishment are classified in SIC group 273.

279 SERVICE INDUSTRIES FOR THE PRINTING TRADE

2791 Typesetting.—Establishments primarily engaged in typesetting for the trade, including advertisement typesetting.

2793 Photoengraving.—Establishments primarily engaged in preparing photoengraved plates (halftones and line-cuts). These establishments do not, as a rule, print from the plates which they make, but prepare them for use by others.

2794 Electrotyping and Stereotyping.—Establishments primarily engaged in preparing electrotype and stereotype plates. These establishments do not, as a rule, print from the plates which they make, but prepare them for use by others.

2795 Lithographic Platemaking and Related Services.—Establishments primarily engaged in making lithographic plates and positives or negatives from which lithographic plates are made, and in related services. Establishments primarily engaged in printing by the lithographic process are classified in industry 2752.

28 CHEMICALS AND ALLIED PRODUCTS

This major group includes establishments producing basic chemical and establishments manufacturing products by predominantly chemical processes. Establishments classified in this major group manufacture three general classes of products: (1) Basic chemicals such as acids, alkalies, salts, and organic chemicals; (2) chemical products to be used in further manufacture such as synthetic fibers, plastics materials, dry colors, and pigments; (3) finished chemical products to be used for ultimate consumption such as drugs, cosmetics, and soaps; or to be used as materials or supplies in other industries, such as paints, fertilizers, and explosives. The mining of natural rock salt is classified in mining

industries. Establishments primarily engaged in manufacturing nonferrous metals and high-percentage ferroalloys are classified in SIC Major Group 33; silicon carbide in SIC Major Group 32; baking powder, other leavening compounds, and starches in SIC Major Group 20; and artists' colors in SIC Major Group 39. Establishments primarily engaged in packaging, repackaging, and bottling of purchased chemical products, but not engaged in manufacturing chemicals and allied products, are classified in trade industries.

281 INDUSTRIAL INORGANIC CHEMICALS

This group includes establishments primarily engaged in manufacturing basic industrial inorganic chemicals. Establishments primarily engaged in manufacturing formulated agricultural pesticides are classified in industry 2879; medicinal chemicals, drugs, and medicines in industry 2833; and soap and cosmetics in SIC group 284.

2812 Alkalies and Chlorine.—Establishments primarily engaged in manufacturing alkalies and chlorine.

2813 Industrial Gases.—Establishments primarily engaged in manufacturing gases for sale in compressed, liquid, and solid forms. Establishments primarily engaged in manufacturing fluorine and sulfur dioxide are classified in industry 2819; household ammonia in industry 2842, and other ammonia in industry 2873; and chlorine in industry 2812. Distributors of industrial gases and establishments primarily engaged in shipping liquid oxygen are classified in trade.

2816 Inorganic Pigments.—Establishments primarily engaged in manufacturing inorganic pigments. Important products of this industry include black pigments (except carbon black, industry 2895), white pigments, and color pigments. Organic color pigments, except animal black and bone black, are classified in industry 2865.

2819 Industrial Inorganic Chemicals, Not Elsewhere Classified.—Establishments primarily engaged in manufacturing industrial inorganic chemicals not elsewhere classified. Important products of this industry include inorganic salts of sodium (excluding refined sodium chloride), potassium, aluminum, calcium, chromium, magnesium, mercury, nickel, silver, tin; inorganic compounds such as alums, calcium carbide, hydrogen peroxide, sodium silicate,

ammonia compounds (except fertilizers), rare earth metal salts and elemental bromine, fluorine, iodine, phosphorus, and alkali metals (sodium, potassium, lithium, etc.). Establishments primarily engaged in mining, milling, or otherwise preparing natural potassium, sodium, or boron compounds (other than common salt) are classified in industry 1474. Establishments primarily engaged in manufacturing household bleaches are classified in industry 2842; phosphoric acid in industry 2874; and nitric acid, anhydrous ammonia, and other nitrogenous fertilizer materials in industry 2873.

282 PLASTICS MATERIALS AND SYNTHETIC RESINS, SYNTHETIC RUBBER, SYNTHETIC AND OTHER MANMADE FIBERS, EXCEPT GLASS

This group includes chemical establishments primarily engaged in manufacturing plastics materials and synthetic resins, synthetic rubbers, and cellulosic and manmade organic fibers. Establishments primarily engaged in the manufacture of rubber products and those primarily engaged in the compounding of purchased resins or the fabrication of plastics sheets, rods, and miscellaneous plastics products are classified in SIC Major Group 30; and textile mills primarily engaged in throwing, spinning, weaving, or knitting textile products from manufactured fibers are classified in SIC Major Group 22.

2821 Plastics Materials, Synthetic Resins, and Nonvulcanizable Elastomers.—Establishments primarily engaged in manufacturing synthetic resins, plastics materials, and nonvulcanizable elastomers. Important products of this industry include: Cellulose plastic materials; phenolic and other tar acid resins; urea and melamine resins; vinyl resins; styrene resins; alkyd resins; acrylic resins; polyethylene resins; polypropylene resins; rosin modified resins; coumarone-indene and petroleum polymer resins; and miscellaneous resins including polyamide resins, silicones, polyisobutylenes, polyesters, polycarbonate resins, acetal resins, fluorohydrocarbon resins; and casein plastics. Establishments primarily engaged in manufacturing fabricated plastics products or plastics film, sheet, rod, nontextile monofilaments and regenerated cellulose products, and vulcanized fiber are classified in industry 3079, whether from purchased resins or from resins produced in the same plant. Establishments primarily engaged in compounding purchased resins are also classified in industry 3079. Establishments primarily manufacturing adhesives are classified in industry 2891.

2822 Synthetic Rubber (Vulcanizable Elastomers).—Establishments primarily engaged in manufacturing synthetic rubber by polymerization or copolymerization. An elastomer for the purpose of this classification is a rubber-like material capable of vulcanization, such as copolymers of butadiene and styrene, or butadiene and acrylonitrile, polybutadienes, chloroprene rubbers, and isobutylene-isoprene copolymers. Butadiene copolymers containing less than 50% butadiene are classified in industry 2821. Natural chlorinated rubbers and cyclized rubbers are considered as semifinished products and are classified in industry 3069.

2823 Cellulosic Manmade Fibers.—Establishments primarily engaged in manufacturing cellulosic fibers (including cellulose acetate and regenerated cellulose such as rayon by the viscose or cuprammonium process) in the form of monofilament, yarn, staple, or tow suitable for further manufacturing on spindles, looms, knitting machines, or other textile processing equipment. Establishments primarily engaged in manufacturing textile glass fibers are classified in industry 3229.

2824 Synthetic Organic Fibers, Except Cellulosic.—Establishments primarily engaged in manufacturing synthetic organic fibers, except cellulosic (including those of regenerated proteins, and of polymers or copolymers of such components as vinyl chloride, vinylidene chloride, linear esters, vinyl alcohols, acrylonitrile, ethylenes, amides, and related polymeric materials) in the form of monofilament, yarn, staple, or tow suitable for further manufacturing on spindles, looms, knitting machines, or other textile processing equipment. Establishments primarily engaged in manufacturing textile glass fibers are classified in industry 3229.

283 DRUGS

This group includes establishments primarily engaged in manufacturing, fabricating, or processing medicinal chemicals and pharmaceutical products. Also included in this group are establishments primarily engaged in the grading, grinding, and milling of botanicals.

2831 Biological Products.—Establishments primarily engaged in the production of bacterial and virus vaccine, toxoids and analogous products (such as allergenic extracts), serums, plasmas, and other blood derivatives for human or veterinary use.

2833 Medicinal Chemicals and Botanical Products.—Establishments primarily engaged in (1) manufacturing bulk organic and inorganic medicinal chemicals and their derivatives; and (2) processing (grading, grinding, and milling) bulk botanical drugs and herbs. Establishments primarily engaged in manufacturing agar-agar and similar products of natural origin, endocrine products, manufacturing or isolating basic vitamins, and isolating active medicinal principals such as alkaloids from botanical drugs and herbs are also included in this industry.

2834 Pharmaceutical Preparations.—Establishments primarily engaged in manufacturing, fabricating, or processing drugs in pharmaceutical preparations for human or veterinary use. The greater part of the products of these establishments are finished in the form intended for final consumption, such as ampoules, tablets, capsules, vials, ointments, medicinal powders, solutions, and suspensions. Products of this industry consist of two important lines, namely: (1) Pharmaceutical preparations promoted primarily to the dental, medical, or veterinary professions; and (2) pharmaceutical preparations promoted primarily to the public.

284 SOAP, DETERGENTS, AND CLEANING PREPARATIONS, PERFUMES, COSMETICS, AND OTHER TOILET PREPARATIONS

This group includes establishments primarily engaged in manufacturing soap and other detergents and in producing glycerin from vegetable and animal fats and oils; specialty cleaning, polishing, and sanitation preparations; and surface active preparations used as emulsifiers, wetting agents, and finishing agents, including sulfonated oils; and perfumes, cosmetics, and other toilet preparations.

2841 Soap and Other Detergents, Except Specialty Cleaners.—Establishments primarily engaged in manufacturing soap, synthetic organic detergents, inorganic alkaline detergents, or any combination thereof, and establishments producing crude and refined glycerin from vegetable and animal fats and oils. Establishments primarily engaged in manufacturing shampoos or shaving products, whether from soap or synthetic detergents, are classified in industry 2844; and synthetic glycerin in industry 2869.

2842 Specialty Cleaning, Polishing, and Sanitation Preparations.—Establishments primarily engaged in manu-

facturing furniture, metal, and other polishes; waxes and dressings for fabricated leather and other materials; household, institutional and industrial plant disinfectants, deodorants; dry cleaning preparations; household bleaches; and other sanitation preparations. Establishments primarily manufacturing household pesticidal preparations are classified in industry 2879.

2843 Surface Active Agents, Finishing Agents, Sulfonated Oils and Assistants.—Establishments primarily engaged in producing surface active preparations for use as wetting agents, emulsifiers, and penetrants. Establishments engaged in producing sulfonated oils and fats and related products are also included.

2844 Perfumes, Cosmetics, and Other Toilet Preparations.—Establishments primarily engaged in manufacturing perfumes (natural and synthetic), cosmetics, and other toilet preparations. This industry also includes establishments primarily engaged in blending and compounding perfume bases; and those manufacturing shampoos and shaving products, whether from soap or synthetic detergents. Establishments primarily engaged in manufacturing synthetic perfume and flavoring materials are classified in industry 2869, and essential oils in industry 2899.

285 PAINTS, VARNISHES, LACQUERS, ENAMELS, AND ALLIED PRODUCTS

2851 Paints, Varnishes, Lacquers, Enamels, and Allied Products.—Establishments primarily engaged in manufacturing paints (in paste and ready-mixed form); varnishes; lacquers; enamels and shellac; putties, wood fillers and sealers; paint and varnish removers; and paint brush cleaners and allied paint products. Establishments primarily engaged in manufacturing carbon black are classified in industry 2895; boneblack, lampblack, and inorganic color pigments in industry 2816; organic color pigments in industry 2865; plastics materials in industry 2821; printing ink in industry 2893; calking compounds and sealants in industry 2891; and artists' paints in industry 3952.

286 INDUSTRIAL ORGANIC CHEMICALS

Establishments primarily engaged in manufacturing industrial organic chemicals. Important products of this group include: (1) Noncyclic organic chemicals such as

acetic, chloroacetic, adipic, formic, oxalic and tartaric acids and their metallic salts; chloral, formaldehyde, and methylamine; (2) solvents such as amyl, butyl, and ethyl alcohols; methanol; amyl, butyl and ethyl acetates; ethyl ether, ethylene glycol ether and diethylene glycol ether; acetone, carbon disulfide, and chlorinated solvents such as carbon tetrachloride, perchloroethylene and trichloroethylene; (3) polyhydric alcohols such as ethylene glycol, sorbitol, pentaerythritol, synthetic glycerin; (4) synthetic perfume and flavoring materials such as coumarin, methyl salicylate, saccharin, citral, citronellal, synthetic geraniol, ionone, terpeneol, and synthetic vanillin; (5) rubber processing chemicals such as accelerators and antioxidants, both cyclic and acyclic; (6) plasticizers, both cyclic and acyclic, such as esters of phosphoric acid, phthalic anhydride, adipic acid, lauric acid, oleic acid, sebacic acid, and stearic acid; (7) synthetic tanning agents such as naphthalene sulfonic acid condensates, (8) chemical warfare gases; (9) esters, amines, etc., of polyhydric alcohols and fatty and other acids; (10) cyclic crudes and intermediates; (11) cyclic dyes and organic pigments; and (12) natural gum and wood chemicals. Establishments primarily engaged in manufacturing plastics materials and nonvulcanizable elastomers are classified in industry 2821; synthetic rubber in industry 2822; essential oils in industry 2899; rayon and other synthetic fibers in industries 2823 and 2824; specialty cleaning, polishing and sanitation preparations in industry 2842; paints in industry 2851; and inorganic pigments in industry 2816. Distilleries engaged in the manufacture of grain alcohol for beverage purposes are classified in industry 2085.

2861 Gum and Wood Chemicals.—Establishments primarily engaged in manufacturing hardwood and softwood distillation products, wood and gum naval stores, charcoal, natural dyestuffs, and natural tanning materials. Establishments primarily engaged in manufacturing synthetic tanning materials and synthetic organic chemicals are classified in industry 2869, and synthetic organic dyes in industry 2865.

2865 Cyclic (Coal Tar) Crudes, and Cyclic Intermediates, Dyes, and Organic Pigments (Lakes and Toners).—Establishments primarily engaged in manufacturing coal tar crudes and cyclic organic intermediates, dyes, color lakes, and toners. Important products of this industry include: (1) Derivatives of benzene, toluene, naphthalene, anthracene, pyridine, carbazole, and other cyclic chemical products; (2) syn-

thetic organic dyes; (3) synthetic organic pigments; and (4) cyclic (coal tar) crudes, such as light oils and light oil products; coal tar acids; and products of medium and heavy oil such as creosote oil, naphthalene, anthracene, and their higher homologues, and tar. Establishments primarily engaged in manufacturing coal tar crudes in chemical recovery ovens are classified in industry 3312, and petroleum refineries which produce such products in industry 2911.

2869 Industrial Organic Chemicals, Not Elsewhere Classified.—Establishments primarily engaged in manufacturing industrial organic chemicals not elsewhere classified. Important products of this industry include: (1) Noncyclic organic chemicals such as acetic, chloroacetic, adipic, formic, oxalic and tartaric acids and their metallic salts; chloral, formaldehyde and methylamine; (2) solvents such as amyl, butyl, and ethyl alcohols; methanol; amyl, butyl and ethyl acetates; ethyl ether, ethylene glycol ether and diethylene glycol ether; acetone, carbon disulfide and chlorinated solvents such as carbon tetrachloride, perchloroethylene and trichloroethylene; (3) polyhydric alcohols such as ethylene glycol, sorbitol, pentaerythritol, synthetic glycerin; (4) synthetic perfume and flavoring materials such as coumarin, methyl salicylate, saccharin, citral, citronellal, synthetic geraniol, ionone, terpeneol, and synthetic vanillin; (5) rubber processing chemicals such as accelerators and antioxidants, both cyclic and acyclic; (6) plasticizers, both cyclic and acyclic, such as esters of phosphoric acid, phthalic anhydride, adipic acid, lauric acid, oleic acid, sebacic acid, and stearic acid; (7) synthetic tanning agents such as naphthalene sulfonic acid condensates; (8) chemical warfare gases; and (9) esters, amines, etc., of polyhydric alcohols and fatty and other acids. Establishments primarily engaged in manufacturing plastics materials and nonvulcanizable elastomers are classified in industry 2821; synthetic rubber in industry 2822; essential oils in industry 2899; wood distillation products, naval stores, and natural dyeing and tanning materials in industry 2861; rayon and other synthetic fibers in industries 2823 and 2824; specialty cleaning, polishing, and sanitation preparations in industry 2842; paints in industry 2851; urea in industry 2873; organic pigments in industry 2865; and inorganic pigments in industry 2816. Distilleries engaged in the manufacture of grain alcohol for beverage purposes are classified in industry 2085.

287 AGRICULTURAL CHEMICALS

This group includes establishments primarily engaged in manufacturing nitrogenous and phosphatic basic fertilizers, mixed fertilizers, pesticides, and other agricultural chemicals. Establishments primarily engaged in manufacturing basic chemicals which require further processing or formulation before use as agricultural pest-control agents are classified in SIC group 281 or 286.

- 2873 Nitrogenous Fertilizers.**—Establishments primarily engaged in manufacturing nitrogenous fertilizer material or mixed fertilizers from nitrogenous materials produced in the same establishment. Included are ammonia fertilizer compounds and anhydrous ammonia, nitric acid, ammonium nitrate, ammonium sulfate and nitrogen solutions, urea, and natural organic fertilizers (except compost) and mixtures.
- 2874 Phosphatic Fertilizers.**—Establishments primarily engaged in manufacturing phosphatic fertilizer materials or mixed fertilizers from phosphatic materials produced in the same establishment. Included are phosphoric acid; normal, enriched, and concentrated superphosphates; ammonium phosphates; nitrophosphates; and calcium metaphosphates.
- 2875 Fertilizers, Mixing Only.**—Establishments primarily engaged in mixing fertilizers from purchased fertilizer materials.
- 2879 Pesticides and Agricultural Chemicals, Not Elsewhere Classified.**—Establishments primarily engaged in the formulation and preparation of ready-to-use agricultural and household pest-control chemicals, including insecticides, fungicides, and herbicides from technical chemicals or concentrates; and the production of concentrates which require further processing before use as agricultural pesticides. This industry also includes establishments primarily engaged in manufacturing or formulating agricultural chemicals, not elsewhere classified, such as minor or trace elements and soil conditioners. Establishments primarily engaged in manufacturing basic or technical agricultural pest-control chemicals including insecticides, fungicides, and herbicides such as lead and calcium arsenates, and copper sulfate are classified in SIC group 281, and DDT, BHC, 2,4-D carbamates, etc., in SIC group 286. Establishments primarily engaged in manufacturing agricultural lime products are classified in SIC Major Group 32.

289 MISCELLANEOUS CHEMICAL PRODUCTS

- 2891 Adhesives and Sealants.**—Establishments primarily engaged in manufacturing industrial and household adhesives, glues, calking compounds, sealants, and linoleum, tile, and rubber cements from vegetable, animal, or synthetic plastics materials, purchased or produced in the same establishment. Establishments primarily engaged in manufacturing gelatin and sizes are classified in industry 2899, and vegetable gelatin or agar-agar in industry 2833.
- 2892 Explosives.**—Establishments primarily engaged in manufacturing explosives. Establishments primarily engaged in manufacturing ammunition for small arms are classified in industry 3482, and fireworks in industry 2899.
- 2893 Printing Ink.**—Establishments primarily engaged in manufacturing printing ink, gravure ink, screen process ink, and lithographic ink.
- 2895 Carbon Black.**—Establishments primarily engaged in manufacturing carbon black (channel and furnace black).
- 2899 Chemicals and Chemical Preparations, Not Elsewhere Classified.**—Establishments primarily engaged in manufacturing miscellaneous chemical preparations, not elsewhere classified, such as fatty acids, essential oils, gelatin (except vegetable), sizes, bluing, laundry sours, writing and stamp pad inks; industrial compounds, such as boiler and heat insulating compounds, metal, oil and water treating compounds, and waterproofing compounds and chemical supplies for foundries. Establishments primarily engaged in manufacturing vegetable gelatin (agar-agar) are classified in industry 2833; and dessert preparations based on gelatin in industry 2099.

29**PETROLEUM REFINING AND RELATED INDUSTRIES**

This major group includes establishments primarily engaged in petroleum refining, manufacturing paving and roofing materials, and compounding lubricating oils and greases from purchased materials. Establishments manufacturing and distributing gas to consumers are classified in public utilities industries, and those primarily engaged in producing coke and byproducts in SIC Major Group 33.

291 PETROLEUM REFINING

2911 Petroleum Refining.—Establishments primarily engaged in producing gasoline, kerosene, distillate fuel oils, residual fuel oils, lubricants, and other products from crude petroleum and its fractionation products, through straight distillation of crude oil, redistillation of unfinished petroleum derivatives, cracking, or other processes. Establishments primarily engaged in producing natural gasoline from natural gas are classified in mining industries. Those manufacturing lubricating oils and greases by blending and compounding purchased materials are included in industry 2992. Establishments primarily re-refining used lubricating oils are classified in industry 2992.

295 PAVING AND ROOFING MATERIALS

2951 Paving Mixtures and Blocks.—Establishments primarily engaged in manufacturing asphalt and tar paving mixtures; and paving blocks made of asphalt, creosoted wood, and various compositions of asphalt or tar with other materials. Establishments primarily engaged in manufacturing brick, concrete, granite, and stone, paving blocks are classified in SIC Major Group 32.

2952 Asphalt Felts and Coatings.—Establishments primarily engaged in manufacturing asphalt and other saturated felts in roll or shingle form, either smooth or faced with grit, and in manufacturing roofing cements and coatings. Establishments primarily engaged in manufacturing paint are classified in industry 2851, and linoleum and tile cement in industry 2891.

299 MISCELLANEOUS PRODUCTS OF PETROLEUM AND COAL

2992 Lubricating Oils and Greases.—Establishments primarily engaged in blending, compounding, and re-refining lubricating oils and greases from purchased mineral, animal, and vegetable materials. Petroleum refineries engaged in the production of lubricating oils and greases are classified in industry 2911.

2999 Products of Petroleum and Coal, Not Elsewhere Classified.—Establishments primarily engaged in manufacturing fuel briquettes, boulets, packaged fuel, powdered fuel, and other products of petroleum and coal not elsewhere classified.

30 RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS

This major group includes establishments manufacturing from natural, synthetic, or reclaimed rubber, gutta percha, balata, or gutta siak, rubber products such as tires, rubber footwear, mechanical rubber goods, heels and soles, flooring, and rubber sundries. This group also includes establishments primarily manufacturing tires, but establishments primarily recapping and retreading automobile tires are classified in industry 7534. This group also includes establishments engaged in molding primary plastics for the trade and manufacturing miscellaneous finished plastics products. The manufacture of elastic webbing is classified in SIC Major Group 22; products made of elastic webbing and garments made from rubberized fabrics in SIC Major Group 23; and synthetic rubber in industry 2822.

301 TIRES AND INNER TUBES

3011 Tires and Inner Tubes.—Establishments primarily engaged in manufacturing pneumatic casings, inner tubes, and solid and cushion tires for all types of vehicles, airplanes, farm equipment, and children's vehicles; tiring; and camelback, and tire repair and retreading materials. Establishments primarily engaged in retreading tires are classified in industry 7534.

302 RUBBER AND PLASTICS FOOTWEAR

3021 Rubber and Plastics Footwear.—Establishments primarily engaged in manufacturing all rubber and plastics footwear, waterproof fabric upper footwear, and other fabric upper footwear having rubber or plastic soles vulcanized to the uppers. Establishments primarily engaged in manufacturing rubber, composition, and fiber heels, soles, soling strips, and related shoemaking and repairing materials are classified in industry 3069; plastic soles and soling strips in industry 3079.

303 RECLAIMED RUBBER

3031 Reclaimed Rubber.—Establishments primarily engaged in reclaiming rubber from scrap rubber tires, tubes, and miscellaneous waste rubber articles by processes which result in devulcanized, depolymerized, or regenerated replasticized products containing added ingredients. These products are sold

for use as a raw material in the manufacture of rubber goods with or without admixture with crude rubber or synthetic rubber. Establishments primarily engaged in the assembly and wholesale sale of scrap rubber are classified in trade industries.

304 RUBBER AND PLASTICS HOSE AND BELTING

3041 Rubber and Plastics Hose and Belting.—Establishments primarily engaged in manufacturing rubber and plastics hose and belting, including garden hose. Establishments primarily engaged in manufacturing rubber tubing are classified in industry 3069; plastic tubing in industry 3079; and flexible metallic hose in industry 3599.

306 FABRICATED RUBBER PRODUCTS, NOT ELSEWHERE CLASSIFIED

3069 Fabricated Rubber Products, Not Elsewhere Classified.—Establishments primarily engaged in manufacturing industrial and mechanical rubber goods, rubberized fabrics, vulcanized rubber clothing, and miscellaneous rubber specialties and sundries. Establishments primarily engaged in rebuilding and retreading tires are classified in industry 7534; and gaskets and packing in industry 3293.

307 MISCELLANEOUS PLASTICS PRODUCTS

3079 Miscellaneous Plastics Products.—Establishments primarily engaged in molding primary plastics for the trade, and fabricating miscellaneous finished plastics products. Establishments primarily engaged in manufacturing fabricated plastics products or plastics film, sheet, rod, nontextile monofilaments and regenerated cellulose products, and vulcanized fiber are classified in this industry, whether from purchased resins or from resins produced in the same plant. Establishments primarily engaged in compounding purchased resins are also classified in this industry. Establishments primarily engaged in manufacturing artificial leather are classified in industry 2295.

31 LEATHER AND LEATHER PRODUCTS

This major group includes establishments engaged in tanning, currying, and finishing hides and skins, and

establishments manufacturing finished leather, artificial leather products, and some similar products made of other materials. Leather converters are also included.

311 LEATHER TANNING AND FINISHING

3111 Leather Tanning and Finishing.—Establishments primarily engaged in tanning, currying, and finishing hides and skins into leather. This industry also includes leather converters who buy hides and skins and have them processed into leather on a contract basis by others.

313 BOOT AND SHOE CUT STOCK AND FINDINGS

3131 Boot and Shoe Cut Stock and Findings.—Establishments primarily engaged in manufacturing leather soles, inner soles, and other boot and shoe cut stock and findings. This industry also includes finished wood heels. Establishments primarily engaged in manufacturing heels, soling strips, and soles made of rubber, composition, plastics, and fiber are classified in SIC Major Group 30.

314 FOOTWEAR, EXCEPT RUBBER

3142 House Slippers.—Establishments primarily engaged in manufacturing house slippers of leather or other materials.

3143 Men's Footwear, Except Athletic.—Establishments primarily engaged in the production of men's footwear designed primarily for dress, street, and work. Establishments primarily engaged in the production of such protective footwear as rubbers, rubber boots, storm shoes, galoshes, and other footwear with rubber soles vulcanized to the uppers are classified in industry 3021. Establishments primarily engaged in the production of athletic shoes and youths' and boys' shoes are classified in industry 3149.

3144 Women's Footwear, Except Athletic.—Establishments primarily engaged in the production of women's footwear designed primarily for dress, street, and work. Establishments primarily engaged in the production of athletic shoes and misses', children's, infants', and babies' footwear are classified in industry 3149. Establishments primarily engaged in the production of rubber or plastics footwear are classified in industry 3021.

- 3149 Footwear, Except Rubber, Not Elsewhere Classified.**—Establishments primarily engaged in the production of shoes, not elsewhere classified, such as misses', youths', boys', children's, infants', and babies' footwear, and athletic footwear. Establishments primarily engaged in the production of rubber or plastics footwear are classified in industry 3021.

315 LEATHER GLOVES AND MITTENS

- 3151 Leather Gloves and Mittens.**—Establishments primarily engaged in manufacturing dress, semidress, and work gloves exclusively of leather or leather with lining of other material. Establishments primarily engaged in manufacturing sporting and athletic gloves are classified in industry 3949; and dress, semidress, and work gloves and mittens of cloth or cloth and leather combined in industry 2381.

316 LUGGAGE

- 3161 Luggage.**—Establishments primarily engaged in manufacturing luggage of leather or other materials.

317 HANDBAGS AND OTHER PERSONAL LEATHER GOODS

- 3171 Women's Handbags and Purses.**—Establishments primarily engaged in manufacturing women's handbags and purses of leather or other materials, except precious metal (industry 3911).
- 3172 Personal Leather Goods, Except Women's Handbags and Purses.**—Establishments primarily engaged in manufacturing small articles, such as billfolds, key cases, and coin purses of leather or other materials, except precious metal (industry 3911).

319 LEATHER GOODS, NOT ELSEWHERE CLASSIFIED

- 3199 Leather Goods, Not Elsewhere Classified.**—Establishments primarily engaged in manufacturing leather goods, not elsewhere classified, such as saddlery, harness, whips, embossed leather goods, leather desk sets, razor strops, and leather belting. Establishments primarily engaged in manufacturing gaskets and packing are classified in industry 3293.

32

STONE, CLAY, GLASS, AND CONCRETE PRODUCTS

This major group includes establishments engaged in manufacturing flat glass and other glass products, cement, structural clay products, pottery, concrete and gypsum products, cut stone, abrasive and asbestos products, etc., from materials taken principally from the earth in the form of stone, clay, and sand. When separate reports are available for mines and quarries operated by manufacturing establishments classified in this major group, the mining and quarrying activities are classified in Division B. When separate reports are not available, the mining and quarrying activities other than those of industry 3295 are classified herein with the manufacturing operations.

If separate reports are not available for crushing, grinding, and other preparation activities of industry 3295, these establishments are classified in Division B.

321 FLAT GLASS

- 3211 Flat Glass.**—Establishments primarily engaged in manufacturing flat glass. This industry also produces laminated glass, but establishments primarily engaged in manufacturing laminated glass from purchased flat glass are classified in industry 3231.

322 GLASS AND GLASSWARE, PRESSED OR BLOWN

This group includes establishments primarily engaged in manufacturing glass and glassware, pressed, blown, or shaped from glass produced in the same establishment. Establishments primarily engaged in manufacturing glass products from purchased glass are classified in industry 3231.

- 3221 Glass Containers.**—Establishments primarily engaged in manufacturing glass containers for commercial packing and bottling and for home canning.

- 3229 Pressed and Blown Glass and Glassware, Not Elsewhere Classified.**—Establishments primarily engaged in manufacturing glass and glassware, not elsewhere classified, pressed, blown, or shaped from glass produced in the same establishment. Establishments primarily engaged in manufacturing textile glass fibers are also included in this industry, but establishments primarily engaged in manufacturing glass wool insulation products are classified in industry

3296. Establishments primarily engaged in the production of pressed lenses for vehicular lighting, beacons, and lanterns are also included in this industry, but establishments primarily engaged in the production of optical lenses are classified in industry 3832. Establishments primarily engaged in manufacturing glass containers are classified in industry 3221, and complete electric light bulbs in industry 3641.

323 GLASS PRODUCTS, MADE OF PURCHASED GLASS

3231 Glass Products, Made of Purchased Glass.—Establishments primarily engaged in manufacturing glass products from purchased glass. Establishments primarily engaged in manufacturing optical lenses and ophthalmic lenses are classified in SIC Major Group 38.

324 CEMENT, HYDRAULIC

3241 Cement, Hydraulic.—Establishments primarily engaged in manufacturing hydraulic cement, including portland, natural, masonry, and pozzolan cements.

325 STRUCTURAL CLAY PRODUCTS

3251 Brick and Structural Clay Tile.—Establishments primarily engaged in manufacturing brick and structural clay tile. Establishments primarily engaged in manufacturing clay firebrick are classified in industry 3255, nonclay firebrick in industry 3297, sand lime brick in industry 3299, and glass brick in industry 3229.

3253 Ceramic Wall and Floor Tile.—Establishments primarily engaged in manufacturing ceramic wall and floor tile. Establishments primarily engaged in manufacturing structural clay tile are classified in industry 3251, and drain tile in industry 3259.

3255 Clay Refractories.—Establishments primarily engaged in manufacturing clay firebrick and other heat-resisting clay products. Establishments primarily engaged in manufacturing nonclay refractories, as well as all graphite refractories whether of carbon bond or ceramic bond, are classified in industry 3297.

3259 Structural Clay Products, Not Elsewhere Classified.—Establishments primarily engaged in manufacturing clay sewer pipe and structural clay products not elsewhere classified.

326 POTTERY AND RELATED PRODUCTS

3261 Vitreous China Plumbing Fixtures and China and Earthenware Fittings and Bathroom Accessories.—Establishments primarily engaged in manufacturing china plumbing fixtures and china and earthenware fittings and bathroom accessories.

3262 Vitreous China Table and Kitchen Articles.—Establishments primarily engaged in manufacturing vitreous china table and kitchen articles for use in households and in hotels, restaurants, and other commercial institutions for preparing, serving, or storing food or drink. Establishments primarily engaged in manufacturing fine (semivitreous) types of earthenware (whiteware) table and kitchen articles are classified in industry 3263.

3263 Fine Earthenware (Whiteware) Table and Kitchen Articles.—Establishments primarily engaged in manufacturing fine (semivitreous) types of earthenware table and kitchen articles for preparing, serving, or storing food or drink. Establishments primarily engaged in manufacturing vitreous china table and kitchen articles are classified in industry 3262.

3264 Porcelain Electrical Supplies.—Establishments primarily engaged in manufacturing porcelain electrical insulators, molded porcelain parts for electrical devices, spark plug and steatitic porcelain, and other electrical supplies from clay and other ceramic materials.

3269 Pottery Products, Not Elsewhere Classified.—Establishments primarily engaged in firing and decorating white china and earthenware for the trade and manufacturing art and ornamental pottery, industrial and laboratory pottery, stoneware and coarse earthenware table and kitchen articles, unglazed red earthenware florists' articles, and other pottery products, not elsewhere classified.

327 CONCRETE, GYPSUM, AND PLASTER PRODUCTS

3271 Concrete Block and Brick.—Establishments primarily engaged in manufacturing concrete building block and brick from a combination of cement and aggregate. Contractors engaged in concrete construction work are classified in the construction industries, and establishments primarily engaged in mixing and delivering ready-mixed concrete in industry 3273.

3272 Concrete Products, Except Block and Brick.—Establishments primarily engaged in manufacturing concrete products, except block and brick, from a combination of cement and aggregate. Contractors engaged in concrete construction work are classified in the construction industries, and establishments primarily engaged in mixing and delivering ready-mixed concrete in industry 3273.

3273 Ready-Mixed Concrete.—Establishments primarily engaged in manufacturing portland cement concrete manufactured and delivered to a purchaser in a plastic and unhardened state. This industry includes production and sale of central-mixed concrete, shrink-mixed concrete, and transit-mixed concrete.

3274 Lime.—Establishments primarily engaged in manufacturing quicklime, hydrated lime, and "dead-burned" dolomite from limestone, dolomite shells, or other substances.

3275 Gypsum Products.—Establishments primarily engaged in manufacturing plaster, plasterboard, and other products composed wholly or chiefly of gypsum.

328 CUT STONE AND STONE PRODUCTS

3281 Cut Stone and Stone Products.—Establishments primarily engaged in cutting, shaping, and finishing marble, granite, slate, and other stone for building and miscellaneous uses. Establishments primarily engaged in buying or selling partly finished monuments and tombstones, but performing no work on the stones other than lettering, finishing, or shaping to custom order, are classified in trade industries. The cutting of grindstones, pulpstones, and whetstones at the quarry is classified in Division B.

329 ABRASIVE, ASBESTOS, AND MISCELLANEOUS NONMETALLIC MINERAL PRODUCTS

3291 Abrasive Products.—Establishments primarily engaged in manufacturing abrasive grinding wheels of natural or synthetic materials and other abrasive products. The cutting of grindstones, pulpstones, and whetstones at the quarry is classified in mining industries.

3292 Asbestos Products.—Establishments primarily engaged in manufacturing asbestos textiles, asbestos building materials, except asbestos paper (industry 2661),

insulating materials for covering boilers and pipes, and other commodities composed wholly or chiefly of asbestos. Establishments primarily engaged in manufacturing gaskets and steam and other packing are classified in industry 3293.

3293 Gaskets, Packing, and Sealing Devices.—Establishments primarily engaged in manufacturing gaskets, gasketing materials, compression packings, molded packings, oil seals, and mechanical seals. Included are gaskets, packing, and sealing devices made of leather, rubber, metal, asbestos, and plastics.

3295 Minerals and Earths, Ground or Otherwise Treated.—Establishments operating without a mine or quarry and primarily engaged in the crushing, grinding, pulverizing, or otherwise preparing clay, ceramic, and refractory minerals; barite; and miscellaneous nonmetallic minerals, except fuels. These minerals are the crude products mined by establishments of SIC groups 145 and 149 and industry 1472. Also included are establishments primarily crushing slag and preparing roofing granules. The beneficiation or preparation of other minerals and metallic ores, and the cleaning and grading of coal, are classified in the mining industries, whether or not the operation is associated with a mine.

3296 Mineral Wool.—Establishments primarily engaged in manufacturing mineral wool and mineral wool insulation products made of such siliceous materials as rock, slag, and glass, or combinations thereof. Establishments primarily engaged in manufacturing asbestos insulation products are classified in industry 3292, and textile glass fibers in industry 3229.

3297 Nonclay Refractories.—Establishments primarily engaged in manufacturing refractories and crucibles made of materials other than clay. This industry also includes establishments primarily engaged in manufacturing all graphite refractories, whether of carbon bond or ceramic bond. Establishments primarily engaged in manufacturing clay refractories are classified in industry 3255.

3299 Nonmetallic Mineral Products, Not Elsewhere Classified.—Establishments primarily engaged in the factory production of statuary and art goods made of plaster of paris and papier mache, and in manufacturing sand lime products and other nonmetallic mineral products not elsewhere classified.

33 PRIMARY METAL INDUSTRIES

This major group includes establishments engaged in the smelting and refining of ferrous and nonferrous metals from ore, pig, or scrap; in the rolling, drawing, and alloying of ferrous and nonferrous metals; in the manufacture of castings and other basic products of ferrous and nonferrous metals; and in the manufacture of nails, spikes, and insulated wire and cable. This major group also includes the production of coke. Establishments primarily engaged in manufacturing metal forgings or stampings are classified in SIC group 346.

331 BLAST FURNACES, STEELWORKS, AND ROLLING AND FINISHING MILLS

3312 Blast Furnaces (Including Coke Ovens), Steelworks, and Rolling Mills.—Establishments primarily engaged in manufacturing hot metal, pig iron, silvery pig iron, and ferroalloys from iron ore and iron and steel scrap; converting pig iron, scrap iron, and scrap steel into steel; and in hot rolling iron and steel into basic shapes such as plates, sheets, strips, rods, bars, and tubing. Merchant blast furnaces and byproduct or beehive coke ovens are also included in this industry. Establishments primarily engaged in manufacturing ferro and nonferrous additive alloys by electrometallurgical processes are classified in industry 3313.

3313 Electrometallurgical Products.—Establishments primarily engaged in manufacturing ferro and nonferrous additive alloys by electrometallurgical or metallothermic processes, including high percentage ferroalloys and high percentage nonferrous additive alloys.

3315 Steel Wiredrawing and Steel Nails and Spikes.—Establishments primarily engaged in drawing wire from purchased iron or steel rods, bars, or wire, and which may be engaged in the further manufacture of products made from wire; establishments primarily engaged in manufacturing steel nails and spikes from purchased materials are also included in this industry. Rolling mills engaged in the production of ferrous wire from wire rods or hot rolled bars produced in the same establishment are classified in industry 3312. Establishments primarily engaged in drawing nonferrous wire are classified in SIC group 335.

3316 Cold Rolled Steel Sheet, Strip, and Bars.—Establishments primarily engaged in (1) cold rolling steel sheets and strip from purchased hot rolled sheets; (2) cold drawing steel bars and steel shapes from purchased hot rolled steel bars; and (3) producing other cold finished steel. Establishments primarily engaged in the production of steel, including hot rolled steel sheets, and further cold rolling such sheets are classified in industry 3312.

3317 Steel Pipe and Tubes.—Establishments primarily engaged in the production of welded or seamless steel pipe and tubes and heavy riveted steel pipe from purchased materials. Establishments primarily engaged in the production of steel, including steel skelp or steel blanks, tube rounds, or pierced billets, are classified in industry 3312.

332 IRON AND STEEL FOUNDRIES

This group includes establishments primarily engaged in manufacturing iron and steel castings. These establishments generally operate on a job or order basis, manufacturing castings for sale to others or for interplant transfer. Establishments which produce iron and steel castings and which are also engaged in fabricating operations, such as machining, assembling, etc., in manufacturing a specified product are classified in the industry of the specified product. Iron and steel castings are made to a considerable extent by establishments classified in other industries, that operate foundry departments for the production of castings for incorporation, in the same establishment, into such products as stoves, furnaces, plumbing fixtures, motor vehicles, etc. Establishments primarily engaged in the manufacture and rolling of steel and also making steel castings are classified in industry 3312. Establishments primarily engaged in manufacturing nonferrous castings are classified in SIC group 336.

3321 Gray Iron Foundries.—Establishments primarily engaged in manufacturing gray iron castings, including cast iron pressure and soil pipes and fittings.

3322 Malleable Iron Foundries.—Establishments primarily engaged in manufacturing malleable iron castings.

3324 Steel Investment Foundries.—Establishments primarily engaged in manufacturing steel investment castings.

- 3325 Steel Foundries, Not Elsewhere Classified.**—Establishments primarily engaged in manufacturing steel castings not elsewhere classified.

333 PRIMARY SMELTING AND REFINING OF NON-FERROUS METALS

- 3331 Primary Smelting and Refining of Copper.**—Establishments primarily engaged in smelting copper from the ore, and in refining copper by electrolytic or other processes. Establishments primarily engaged in rolling, drawing, or extruding copper are classified in industry 3351.
- 3332 Primary Smelting and Refining of Lead.**—Establishments primarily engaged in smelting lead from the ore and in refining lead by any process. Establishments primarily engaged in rolling, drawing, or extruding lead are classified in industry 3356.
- 3333 Primary Smelting and Refining of Zinc.**—Establishments primarily engaged in smelting zinc from the ore and in refining zinc by any process. Establishments primarily engaged in rolling, drawing, or extruding zinc are classified in industry 3356.
- 3334 Primary Production of Aluminum.**—Establishments primarily engaged in producing aluminum from alumina and in refining aluminum by any process. Establishments primarily engaged in rolling, drawing, or extruding aluminum are classified in industries 3353, 3354, and 3355.
- 3339 Primary Smelting and Refining of Nonferrous Metals, Not Elsewhere Classified.**—Establishments primarily engaged in smelting and refining nonferrous metals not elsewhere classified. Establishments primarily engaged in rolling, drawing, and extruding these nonferrous primary metals are classified in industry 3356, and the production of bullion at the site of the mine is classified in the mining industries.

334 SECONDARY SMELTING AND REFINING OF NON-FERROUS METALS

- 3341 Secondary Smelting and Refining of Nonferrous Metals.**—Establishments primarily engaged in recovering nonferrous metals and alloys from new and used scrap and dross. This industry includes establishments engaged in both the recovery and alloying

of precious metals. Plants engaged in the recovery of tin through secondary smelting and refining, as well as by chemical processes, are included in this industry. Establishments primarily engaged in assembling, sorting, and breaking up scrap metal, without smelting and refining, are classified in trade industries.

335 ROLLING, DRAWING, AND EXTRUDING OF NON-FERROUS METALS

- 3351 Rolling, Drawing, and Extruding of Copper.**—Establishments primarily engaged in rolling, drawing, and extruding copper, brass, bronze, and other copper base alloy basic shapes, such as plate, sheet, strip, bar, and tubing. Establishments primarily engaged in recovering copper and its alloys from scrap or dross are classified in industry 3341.
- 3353 Aluminum Sheet, Plate, and Foil.**—Establishments primarily engaged in flat rolling aluminum and aluminum base alloy basic shapes such as sheet, plate, and foil, including establishments producing welded tube. Also included are establishments primarily producing similar products by continuous casting.
- 3354 Aluminum Extruded Products.**—Establishments primarily engaged in extruding aluminum and aluminum base alloy basic shapes such as rod and bar, pipe and tube, and tube blooms, including establishments producing tube by drawing.
- 3355 Aluminum Rolling and Drawing, Not Elsewhere Classified.**—Establishments primarily engaged in rolling, drawing, and other operations resulting in the production of aluminum ingot, including extrusion ingot, and aluminum and aluminum base alloy basic shapes, not elsewhere classified, such as rolled and continuous cast rod and bar. Establishments primarily engaged in producing aluminum powder, flake, and paste are classified in industry 3399, and those producing aluminum wire and cable from purchased wire bars, rods, or wire are classified in industry 3357.

- 3356 Rolling, Drawing, and Extruding of Nonferrous Metals, Except Copper and Aluminum.**—Establishments primarily engaged in rolling, drawing, and extruding nonferrous metals other than copper (industry 3351) and aluminum (industries 3353, 3354, and 3355). The products of this industry are

produced in the form of basic shapes such as plate, sheet, strip, bar, and tubing. Establishments primarily engaged in recovering nonferrous metals and alloys from scrap or dross are classified in industry 3341; in manufacturing gold, silver, tin, and other foils except aluminum in industry 3497; and aluminum foil in industry 3353.

- 3357 Drawing and Insulating of Nonferrous Wire.**—Establishments primarily engaged in drawing and insulating, and insulating wire and cable of nonferrous metals from purchased wire bars, rods, or wire.

336 NONFERROUS FOUNDRIES (CASTINGS)

This group includes establishments primarily engaged in manufacturing castings and die castings of aluminum, brass, bronze and other nonferrous metals and alloys. These establishments generally operate on a job or order basis, manufacturing castings for sale to others or for interplant transfer. Establishments which produce nonferrous castings and which are also engaged in fabricating operations, such as machining, assembling, etc., in manufacturing a specified product are classified in the industry of the specified product. Nonferrous castings are made to a considerable extent by establishments classified in other industries that operate foundry departments for the production of castings for incorporation, in the same establishment, into such products as machinery, motor vehicles, etc. Establishments primarily engaged in manufacturing iron and steel castings are classified in SIC group 332.

- 3361 Aluminum Foundries (Castings).**—Establishments primarily engaged in manufacturing castings and die castings of aluminum and aluminum-base alloys.
- 3362 Brass, Bronze, Copper, Copper Base Alloy Foundries (Castings).**—Establishments primarily engaged in manufacturing castings and die castings of copper and copper-base alloys.
- 3369 Nonferrous Foundries (Castings), Not Elsewhere Classified.**—Establishments primarily engaged in manufacturing castings and die castings of nonferrous materials except aluminum, copper, and copper base alloys.

339 MISCELLANEOUS PRIMARY METAL PRODUCTS

- 3398 Metal Heat Treating.**—Establishments primarily engaged in heat treating of metal for the trade.

- 3399 Primary Metal Products, Not Elsewhere Classified.**—Establishments primarily engaged in manufacturing primary metal products, not elsewhere classified, such as nonferrous nails, brads, and spikes; and metal powder, flakes, and paste.

34 FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND TRANSPORTATION EQUIPMENT

This major group includes establishments engaged in fabricating ferrous and nonferrous metal products such as metal cans, tinware, handtools, cutlery, general hardware, nonelectric heating apparatus, fabricated structural metal products, metal forgings, metal stampings, ordnance (except vehicles and guided missiles), and a variety of metal and wire products not elsewhere classified. Certain important segments of the metal fabricating industries are classified in other major groups such as machinery in SIC Major Groups 35 and 36; transportation equipment, including tanks, in SIC Major Group 37; professional scientific and controlling instruments, watches, and clocks in SIC Major Group 38; and jewelry and silverware in SIC Major Group 39. Establishments primarily engaged in producing ferrous and nonferrous metals and their alloys are classified in SIC Major Group 33.

341 METAL CANS AND SHIPPING CONTAINERS

- 3411 Metal Cans.**—Establishments primarily engaged in manufacturing metal cans from purchased materials. Establishments primarily engaged in manufacturing foil containers are classified in industry 3497.
- 3412 Metal Shipping Barrels, Drums, Kegs, and Pails.**—Establishments primarily engaged in manufacturing ferrous and nonferrous metal shipping barrels, drums, kegs, and pails.

342 CUTLERY, HANDTOOLS, AND GENERAL HARDWARE

- 3421 Cutlery.**—Establishments primarily engaged in manufacturing cutlery. Establishments primarily engaged in manufacturing table cutlery made entirely of metal are classified in industry 3914; those manufacturing electric razors in industry 3634; and those manufacturing hair clippers for human use in industry 3999, and for animal use in industry 3523.

3423 Hand and Edge Tools, Except Machine Tools and Handsaws.—Establishments primarily engaged in manufacturing files and other hand and edge tools for metalworking, woodworking, and general maintenance. Establishments primarily engaged in manufacturing saws are classified in industry 3425; and metal-cutting dies, power-driven handtools, and attachments and accessories for machine tools in SIC Major Group 35.

3425 Handsaws and Saw Blades.—Establishments primarily engaged in manufacturing handsaws and saw blades for hand and power-driven saws. Establishments primarily engaged in manufacturing power-driven sawing machines are classified in SIC Major Group 35.

3429 Hardware, Not Elsewhere Classified.—Establishments primarily engaged in manufacturing miscellaneous metal products usually termed "hardware," not elsewhere classified. Establishments primarily engaged in manufacturing bolts and nuts are classified in industry 3452, nails and spikes in SIC Major Group 33, cutlery in industry 3421, handtools in industry 3423, and pole line and transmission hardware in SIC Major Group 36.

343 HEATING EQUIPMENT, EXCEPT ELECTRIC AND WARM AIR; AND PLUMBING FIXTURES

3431 Enameled Iron and Metal Sanitary Ware.—Establishments primarily engaged in manufacturing enameled iron, cast iron, or pressed metal sanitary ware. Establishments primarily engaged in manufacturing vitreous and semivitreous pottery sanitary ware are classified in industry 3261; and those manufacturing porcelain enameled kitchen, household, and hospital ware in industry 3469.

3432 Plumbing Fixture Fittings and Trim (Brass Goods).—Establishments primarily engaged in manufacturing plumbing fixture fittings and trim (brass goods). Establishments primarily engaged in the manufacture of steam or water line valves are classified in industry 3494.

3433 Heating Equipment, Except Electric and Warm Air Furnaces.—Establishments primarily engaged in manufacturing heating equipment, except electric and warm air furnaces, including gas, oil, and stoker coal-fired equipment for the automatic utilization

of gaseous, liquid, and solid fuels. Establishments primarily engaged in manufacturing warm air furnaces are classified in industry 3585; cooking stoves and ranges in industry 3631; boiler shops primarily engaged in the production of industrial, power and marine boilers in industry 3443; and industrial process furnaces and ovens in industry 3567.

344 FABRICATED STRUCTURAL METAL PRODUCTS

3441 Fabricated Structural Metal.—Establishments primarily engaged in manufacturing fabricated iron and steel or other metal for structural purposes, such as bridges, buildings, and sections for ships, boats, and barges. Establishments primarily engaged in manufacturing metal doors, sash, frames, molding, and trim are classified in industry 3442; and establishments doing fabrication work at the site of construction are classified in Division C.

3442 Metal Doors, Sash, Frames, Molding, and Trim.—Establishments primarily engaged in manufacturing ferrous and nonferrous metal and metal covered doors and sash, window and door frames and screens, molding, and trim.

3443 Fabricated Platework (Boiler Shops).—Establishments primarily engaged in manufacturing power and marine boilers, pressure and nonpressure tanks, processing and storage vessels, heat exchangers, weldments, and similar products by the process of cutting, forming, and joining metal plates, shapes, bars, sheet, pipe mill products, and tubing to custom or standard design for factory or field assembly. Establishments primarily engaged in manufacturing warm air heating furnaces are classified in industry 3585, other nonelectric heating apparatus except power boilers in industry 3433, and household cooking apparatus in industry 3631.

3444 Sheet Metalwork.—Establishments primarily engaged in manufacturing sheet metalwork for buildings (not including fabrication work done by construction contractors at the place of construction), and manufacturing sheet metal stovepipes, light tanks, etc.

3446 Architectural and Ornamental Metalwork.—Establishments primarily engaged in manufacturing architectural and ornamental metalwork of ferrous and nonferrous metals, such as stairs and staircases, open

steel flooring (grating), fire escapes, grilles, railings, and fences and gates, except those made from wire. Establishments primarily engaged in manufacturing prefabricated and portable metal buildings and parts are classified in industry 3448, and miscellaneous metalwork in industry 3449.

3448 Prefabricated Metal Buildings and Components.—Establishments primarily engaged in manufacturing prefabricated and portable metal buildings and parts, and prefabricated exterior metal panels.

3449 Miscellaneous Metalwork.—Establishments primarily engaged in manufacturing miscellaneous ferrous and nonferrous metalwork, such as metal plaster bases, fabricated bar joists, and concrete reinforcing bars.

345 SCREW MACHINE PRODUCTS, AND BOLTS, NUTS, SCREWS, RIVETS, AND WASHERS

3451 Screw Machine Products.—Establishments primarily engaged in manufacturing automatic or hand screw machine products from rod, bar, or tube stock of metal, fiber, plastics, or other material. The products of this industry consist of a wide variety of unassembled parts and are usually manufactured on a job or order basis. Establishments primarily engaged in manufacturing standard bolts, nuts, rivets, screws, and other industrial fasteners on headers, threaders, and nut forming machines are classified in industry 3452.

3452 Bolts, Nuts, Screws, Rivets, and Washers.—Establishments primarily engaged in manufacturing bolts, nuts, screws, rivets, washers, formed and threaded wire goods, and special industrial fasteners. Rolling mills engaged in manufacturing similar products are classified in SIC Major Group 33, and establishments primarily engaged in manufacturing screw machine products in industry 3451.

346 METAL FORGINGS AND STAMPINGS

This group includes establishments primarily engaged in manufacturing metal forgings or metal stampings. These establishments generally operate on a job or order basis, manufacturing metal stampings or forgings for sale to others or for interplant transfer. Establishments which produce metal stampings or forgings for incorporation in end products produced in the same establishment are classified on the basis of the end product.

3462 Iron and Steel Forgings.—Establishments primarily engaged in manufacturing iron and steel forgings, with or without the use of dies.

3463 Nonferrous Forgings.—Establishments primarily engaged in manufacturing nonferrous forgings, with or without the use of dies.

3465 Automotive Stampings.—Establishments primarily engaged in manufacturing automotive stampings such as body parts, hubs, and trim.

3466 Crowns and Closures.—Establishments primarily engaged in manufacturing metal crowns and closures.

3469 Metal Stampings, Not Elsewhere Classified.—Establishments primarily engaged in manufacturing metal stampings and spun products, not elsewhere classified, including porcelain enameled products such as household appliance housings and parts; utensils and consumer stamped and spun products such as cooking and kitchen utensils; and other nonautomotive job stampings.

347 COATING, ENGRAVING, AND ALLIED SERVICES

3471 Electroplating, Plating, Polishing, Anodizing, and Coloring.—Establishments primarily engaged in all types of electroplating, plating, anodizing, coloring, and finishing of metals and formed products for the trade. Most of the work done in this industry is done on materials owned by others.

3479 Coating, Engraving, and Allied Services, Not Elsewhere Classified.—Establishments primarily engaged in performing the following types of services on metals: (1) Enameling, lacquering, and varnishing metal products for the trade; (2) hot-dip galvanizing of mill sheets, plates and bars, castings, and formed products fabricated of iron and steel; hot-dip coating such items with aluminum, lead, or zinc; retinning cans and utensils; (3) engraving, chasing and etching jewelry, silverware, notarial and other seals, and other metal products for the trade and for job contracting for purposes other than printing; and (4) other metal services, not elsewhere classified. Establishments primarily engaged in electroplating, plating, polishing, anodizing, coloring, and finishing of metals and formed products for the trade are classified in industry 3471; and those producing porcelain enameled products in industry 3469.

348 ORDNANCE AND ACCESSORIES, EXCEPT VEHICLES AND GUIDED MISSILES

- 3482 Small Arms Ammunition.**—Establishments primarily engaged in manufacturing ammunition for small arms having a bore of 30 mm (or 1.18 inch) and below. Establishments primarily engaged in manufacturing ammunition except for small arms are classified in industry 3483, blasting and detonating caps and safety fuses in industry 2892, and fireworks in industry 2899.
- 3483 Ammunition, Except for Small Arms, Not Elsewhere Classified.**—Establishments primarily engaged in manufacturing ammunition, not elsewhere classified, or in loading and assembling ammunition over 30 mm (or over 1.18 inch) for naval, aircraft, anti-aircraft, tank, coast, and field artillery; including component parts. This industry also includes establishments primarily engaged in manufacturing bombs, mines, torpedoes, grenades, depth charges, chemical warfare projectiles, and their component parts. Establishments primarily engaged in manufacturing small arms ammunition are classified in industry 3482, explosives in industry 2892, and military pyrotechnics in industry 2899.
- 3484 Small Arms.**—Establishments primarily engaged in manufacturing small firearms having a bore 30 mm (or 1.18 inch) and below, and parts for small firearms. Also included in this industry are establishments primarily engaged in manufacturing certain weapons over 30 mm which are carried and employed by the individual, such as grenade launchers and heavy field machine guns. Establishments primarily engaged in manufacturing artillery and mortars having a bore over 30 mm (or over 1.18 inch) and component parts are classified in industry 3489.
- 3489 Ordnance and Accessories, Not Elsewhere Classified.**—Establishments primarily engaged in manufacturing ordnance and accessories, not elsewhere classified, such as naval, aircraft, antiaircraft, tank, coast, and field artillery having a bore over 30 mm (or over 1.18 inch) and components. Establishments primarily engaged in manufacturing small arms and parts 30 mm (or 1.18 inch) and below are classified in industry 3484; tanks in industry 3795; and guided missiles in SIC group 376.

349 MISCELLANEOUS FABRICATED METAL PRODUCTS

- 3493 Steel Springs, Except Wire.**—Establishments primarily engaged in manufacturing leaf springs, hot wound springs, and coiled flat springs. Establishments primarily engaged in manufacturing wire springs are classified in industry 3495.
- 3494 Valves and Pipe Fittings, Except Plumbers' Brass Goods.**—Establishments primarily engaged in manufacturing pipe fittings and valves for controlling the flow of liquids or gases in pipes and mains, and for machinery. Establishments primarily engaged in manufacturing faucets, spigots, and similar plumbers' brass goods and fittings are classified in industry 3432, flexible metal hose and tubing in industry 3599, and fittings and couplings for garden hose in industry 3429.
- 3495 Wire Springs.**—Establishments primarily engaged in manufacturing wire springs. Establishments primarily engaged in assembling wire bedsprings or seats are classified in SIC Major Group 25.
- 3496 Miscellaneous Fabricated Wire Products.**—Establishments primarily engaged in manufacturing miscellaneous fabricated wire products from purchased wire, such as noninsulated wire rope and cable; fencing; screening, netting, paper machine wire cloth; and hangers, paper clips, kitchenware, and wire carts. Rolling mills engaged in manufacturing wire products are classified in SIC Major Group 33; establishments manufacturing nonferrous wire nails and spikes in industry 3399; those drawing and insulating nonferrous wire in industry 3357; and those manufacturing wire springs in industry 3495.
- 3497 Metal Foil and Leaf.**—Establishments primarily engaged in manufacturing gold, silver, tin, and other metal foil (including converted metal foil) and leaf. Also included are establishments primarily engaged in converting metal foil (including aluminum) into wrappers, cookware, dinnerware, and containers, except bags and liners. Establishments primarily engaged in manufacturing plain aluminum foil are classified in industry 3353.
- 3498 Fabricated Pipe and Fabricated Pipe Fittings.**—Establishments primarily engaged in fabricating pipe and pipe fittings from purchased pipe, by cutting,

threading, bending, etc. Establishments primarily engaged in manufacturing cast iron pipe and fittings, including cast and forged pipe fittings which have been machined and threaded, are classified in industry 3321; and welded and heavy riveted pipe and seamless steel pipe in industry 3317. Establishments primarily engaged in manufacturing products such as bannisters, railings, and guards from pipe are classified in industry 3446.

- 3499 Fabricated Metal Products, Not Elsewhere Classified.**—Establishments primarily engaged in manufacturing fabricated metal products, not elsewhere classified, such as fire or burglary resistive steel safes and vaults and similar fire or burglary resistive products; and collapsible tubes of thin flexible metal. Also included are establishments primarily engaged in manufacturing metal boxes, metal ladders, and metal household articles such as ice cream freezers and ironing boards. Establishments primarily engaged in manufacturing concrete grave vaults are classified in industry 3722, and metal grave vaults in industry 3995. Establishments primarily engaged in manufacturing advertising novelties are classified in industry 3993.

35 MACHINERY, EXCEPT ELECTRICAL

This major group includes establishments engaged in manufacturing machinery and equipment other than electrical equipment (SIC Major Group 36) and transportation equipment (SIC Major Group 37). Machines powered by built-in or detachable motors are ordinarily included in this major group, with the exception of electrical household appliances (SIC Major Group 36). Portable tools, both electric and pneumatic powered, are included in this major group, but handtools are classified in SIC Major Group 34.

351 ENGINES AND TURBINES

- 3511 Steam, Gas, and Hydraulic Turbine Generator Set Units.**—Establishments primarily engaged in manufacturing steam turbines; hydraulic turbines; gas turbines, except aircraft; complete steam, gas, and hydraulic turbine generator set units; and steam engines. Establishments primarily engaged in building or rebuilding locomotives are classified in industry 3743; and those manufacturing nonautomotive type generators which are not part of a turbine generator set in industry 3621.

- 3519 Internal Combustion Engines, Not Elsewhere Classified.**—Establishments primarily engaged in manufacturing diesel, semi-diesel, or other internal combustion engines, not elsewhere classified, for stationary, marine, traction, and other uses. Establishments primarily engaged in manufacturing aircraft engines are classified in industry 3724; automotive engines (except diesel) in industry 3714; engine generator sets in industry 3621; and guided missile and space vehicle propulsion units in industry 3764.

352 FARM AND GARDEN MACHINERY AND EQUIPMENT

- 3523 Farm Machinery and Equipment.**—Establishments primarily engaged in manufacturing farm machinery and equipment, including wheel tractors, for use in the preparation and maintenance of the soil; planting and harvesting of the crop; preparing crops for market, on the farm; or for use in performing other farm operations and processes. Establishments primarily engaged in manufacturing industrial trucks, tractors, and trailers used for handling materials in industrial plants, depots, and docks are classified in industry 3537; contractors' off-highway tractors are classified in industry 3531; farm handtools in SIC group 342; and garden tractors, lawn mowers and other lawn and garden equipment in industry 3524.
- 3524 Garden Tractors and Lawn and Garden Equipment.**—Establishments primarily engaged in manufacturing lawn mowers, garden tractors, and other lawn and garden equipment used for home lawn and garden care. Also included are establishments primarily manufacturing snow blowers and throwers for residential use. Establishments primarily engaged in manufacturing farm machinery and equipment are classified in industry 3523; hand lawn and garden shears and pruners in industry 3421; and other garden handtools in industry 3423.

353 CONSTRUCTION, MINING, AND MATERIALS HANDLING MACHINERY AND EQUIPMENT

- 3531 Construction Machinery and Equipment.**—Establishments primarily engaged in manufacturing heavy machinery and equipment used by the construction industries, such as: bulldozers; concrete mixers; cranes, except industrial plant type; dredging machinery; pavers; and power shovels. Establish-

ments primarily engaged in manufacturing mining equipment are classified in industry 3532, and well-drilling machinery in industry 3533.

- 3532 Mining Machinery and Equipment, Except Oilfield Machinery and Equipment.**—Establishments primarily engaged in manufacturing heavy machinery and equipment used by the mining industries, such as coal breakers, mine cars, mineral cleaning machinery, concentration machinery, core drills, coal cutters, portable rock drills, and rock crushing machinery. Establishments primarily engaged in manufacturing construction machinery are classified in industry 3531; well-drilling machinery in industry 3533; and coal and ore conveyors in industry 3535.
- 3533 Oilfield Machinery and Equipment.**—Establishments primarily engaged in manufacturing machinery and equipment for use in oil and gas fields or for drilling water wells.
- 3534 Elevators and Moving Stairways.**—Establishments primarily engaged in manufacturing passenger or freight elevators, automobile lifts, dumbwaiters, and moving stairways. Establishments primarily engaged in manufacturing commercial conveyor systems and equipment are classified in industry 3535, and farm elevators in industry 3523.
- 3535 Conveyors and Conveying Equipment.**—Establishments primarily engaged in manufacturing conveyors and conveying equipment for installation in factories, warehouses, mines, and other industrial and commercial establishments. Establishments primarily engaged in manufacturing passenger or freight elevators, dumbwaiters, and moving stairways are classified in industry 3534; and overhead traveling cranes and monorail systems in industry 3536.
- 3536 Hoists, Industrial Cranes, and Monorail Systems.**—Establishments primarily engaged in manufacturing overhead traveling cranes, hoists, and monorail systems for installation in factories, warehouses, and other industrial and commercial establishments.
- 3537 Industrial Trucks, Tractors, Trailers, and Stackers.**—Establishments primarily engaged in manufacturing industrial trucks, tractors, trailers, stackers (truck type), and related equipment, used for handling materials on floors and paved surfaces in and around industrial and commercial plants, depots, docks, and terminals. Establishments primarily engaged in

manufacturing motor vehicles and motor vehicle type trailers are classified in SIC group 371; farm-type wheel tractors in industry 3523; wheel tractor shovel loaders and tracklaying tractors in industry 3531; and wood pallets and skids in industry 2448.

354 METALWORKING MACHINERY AND EQUIPMENT

- 3541 Machine Tools, Metal-Cutting Types.**—Establishments primarily engaged in manufacturing machines, not supported in the hands of an operator when in use, that shape metal by cutting or use of electrical techniques; the rebuilding of such machine tools; and the manufacture of replacement parts for them. Metalworking, or primarily metalworking, machine tools designed primarily for home workshops are also included. Establishments primarily engaged in the manufacture of electric welding equipment are classified in industry 3623; portable power-driven handtools in industry 3546; and gas welding and cutting equipment and automotive maintenance equipment in industry 3549.
- 3542 Machine Tools, Metal-Forming Types.**—Establishments primarily engaged in manufacturing machines, not supported in the hands of an operator while in use, for pressing, hammering, extruding, shearing, die-casting, or otherwise forming metal into shape. This industry also includes rebuilding such machine tools and manufacturing repair parts for them. Establishments primarily engaged in the manufacture of electric welding equipment are classified in industry 3623; portable power-driven handtools in industry 3546; rolling mill machinery and equipment in industry 3547; and gas welding and cutting equipment and automotive maintenance equipment in industry 3549.
- 3544 Special Dies and Tools, Die Sets, Jigs and Fixtures, and Industrial Molds.**—Establishments commonly known as contract tool and die shops and primarily engaged in manufacturing, on a job or order basis, special tools and fixtures for use with machine tools, hammers, die-casting machines, and presses. The products of establishments classified in this industry include a wide variety of special toolings, such as dies; punches; die sets and components and sub-presses; jigs and fixtures; and special checking devices. Establishments primarily engaged in manufacturing molds for die casting and foundry casting; metal molds for plasterworking, rubber working,

plastic working, glassworking and similar machinery are also included. Establishments primarily engaged in manufacturing molds for heavy steel ingots are classified in industry 3321.

3545 Machine Tool Accessories and Measuring Devices.—

Establishments primarily engaged in manufacturing cutting tools, machinist's precision measuring tools, and attachments and accessories for machine tools and for other metalworking machinery not elsewhere classified. Establishments primarily engaged in manufacturing handtools, except power-driven types, are classified in SIC group 342.

3546 Power-Driven Handtools.—Establishments primarily engaged in manufacturing power-driven handtools, such as drills and drilling tools, pneumatic and snagging grinders, and electric hammers. Establishments primarily engaged in manufacturing automotive maintenance equipment are classified in industry 3549; those primarily manufacturing machine tools for metal cutting and metal forming (including home workshop tools) which are not supported in the hands of an operator, are classified in industries 3541 and 3542; and those primarily manufacturing power-driven heavy construction or mining handtools in SIC group 353.

3547 Rolling Mill Machinery and Equipment.—Establishments primarily engaged in manufacturing rolling mill machinery and processing equipment for metal production such as cold forming mills, structural mills, and finishing equipment.

3549 Metalworking Machinery, Not Elsewhere Classified.—Establishments primarily engaged in manufacturing metalworking machinery, not elsewhere classified, such as gas cutting and welding equipment, wire fabricating machinery and equipment, except wire-drawing dies, and automotive maintenance machinery and equipment. Establishments primarily engaged in manufacturing metal-cutting machine tools are classified in industry 3541; metal-forming machine tools in industry 3542; power-driven handtools in industry 3546; and rolling mill machinery in industry 3547.

355 SPECIAL INDUSTRY MACHINERY, EXCEPT METALWORKING MACHINERY

3551 Food Products Machinery.—Establishments primarily engaged in manufacturing machinery for use by the

food products and beverage manufacturing industries in the preparation, canning, or packaging of food products; and parts and attachments for such machinery. Establishments primarily engaged in manufacturing industrial refrigeration machinery are classified in SIC group 358.

3552 Textile Machinery.—Establishments primarily engaged in manufacturing machinery for the textile industries, including parts, attachments, and accessories. Establishments primarily engaged in manufacturing domestic or industrial sewing machines are classified in industry 3636.

3553 Woodworking Machinery.—Establishments primarily engaged in manufacturing machinery for sawmills, planing mills, cabinet and furniture makers, pattern-makers, and veneer workers. Establishments primarily engaged in manufacturing handtools such as planes, axes, drawknives, and handsaws are classified in SIC group 342; and portable power-driven handtools in industry 3546.

3554 Paper Industries Machinery.—Establishments primarily engaged in manufacturing machinery for the pulp, paper, and paper product industries. Establishments primarily engaged in manufacturing printing trades machinery are classified in industry 3555.

3555 Printing Trades Machinery and Equipment.—Establishments primarily engaged in manufacturing machinery and equipment used by the printing and bookbinding trades. Establishments primarily engaged in manufacturing textile printing machinery are classified in industry 3552.

3559 Special Industry Machinery, Not Elsewhere Classified.—Establishments primarily engaged in manufacturing special industry machinery, not elsewhere classified, such as smelting and refining equipment, cementmaking, clayworking, cotton ginning, glass-making, hatmaking, incandescent lampmaking, leatherworking, paintmaking, rubberworking, cigar and cigarette making, tobacco working, shoemaking, and stoneworking machinery.

356 GENERAL INDUSTRIAL MACHINERY AND EQUIPMENT

3561 Pumps and Pumping Equipment.—Establishments primarily engaged in manufacturing pumps and pumping equipment for general industrial use. Establish-

ments primarily engaged in manufacturing measuring and dispensing pumps for gasoline service station use are classified in industry 3586; and air and gas compressors in industry 3563.

3562 Ball and Roller Bearings.—Establishments primarily engaged in manufacturing ball and roller bearings (including ball or roller bearing pillow block, flange, take-up cartridge, and hanger units) and parts. Establishments primarily engaged in manufacturing bearings, except ball and roller, are classified in industry 3568.

3563 Air and Gas Compressors.—Establishments primarily engaged in manufacturing air and gas compressors for general industrial use. Establishments primarily engaged in manufacturing refrigeration compressors and compressing units are classified in industry 3585; and pumps and pumping equipment in industry 3561.

3564 Blowers and Exhaust and Ventilation Fans.—Establishments primarily engaged in manufacturing industrial and commercial blowers, industrial and commercial exhaust and ventilating fans, and attic fans. Establishments primarily engaged in manufacturing air-conditioning units are classified in industry 3585, and free air-circulating fans for use on desks, pedestals, or wall brackets as well as household window-type fans and roll-abouts, kitchen and household ventilating and exhaust fans in industry 3634.

3565 Industrial Patterns.—Establishments primarily engaged in manufacturing industrial patterns.

3566 Speed Changers, Industrial High Speed Drives, and Gears.—Establishments primarily engaged in manufacturing speed changers, industrial high-speed drives, and gears. Establishments primarily engaged in manufacturing these items for motor vehicles are classified in industry 3714, and for aircraft in industry 3728.

3567 Industrial Process Furnaces and Ovens.—Establishments primarily engaged in manufacturing industrial process furnaces, ovens, induction and dielectric heating equipment, and related devices.

3568 Mechanical Power Transmission Equipment, Not Elsewhere Classified.—Establishments primarily engaged in manufacturing mechanical power transmission equipment and parts for industrial machinery.

Establishments primarily engaged in manufacturing automotive, tank, and tractor power transmission equipment are classified in industry 3714; aircraft power transmission equipment in industry 3728; ball and roller bearings in industry 3562; and speed changers, industrial high speed drives, and gears in industry 3566.

3569 General Industrial Machinery and Equipment, Not Elsewhere Classified.—Establishments primarily engaged in manufacturing machinery, equipment, and components for general industrial use, and for which no special classification is provided. Machine shops primarily engaged in producing machine and equipment parts, usually on a job or order basis, are classified in industry 3599.

357 OFFICE, COMPUTING, AND ACCOUNTING MACHINES

3572 and 3579 Typewriters and Office Machines, Not Elsewhere Classified.—The Typewriters Industry includes establishments primarily engaged in manufacturing typewriters and parts, including coded media typewriters and specialized composing typewriters. This industry is combined with the Office Machines, N.E.C., Industry which includes establishments primarily engaged in manufacturing office machines and devices not elsewhere classified. Establishments primarily engaged in manufacturing computing machines are classified in industry 3573, cash registers in industry 3574, and photocopy and microfilm equipment in industry 3861 (Photographic Equipment and Supplies).

The classification of establishments for which data are tabulated in this report is based upon the definitions and coding structure contained in the 1972 edition of the Standard Industrial Classification (SIC) Manual, published by the Office of Management and Budget, Executive Office of the President. The statistics for these industries as classified under the 1972 edition of the SIC manual were unchanged as to code number or content from the previous classification system. However, it was necessary to combine industry 3572, Typewriters, with industry 3579, Office Machines, N.E.C., to avoid disclosing the operation of individual companies.

3573 Electronic Computing Equipment.—Establishments primarily engaged in manufacturing electronic computers and peripheral equipment and/or major

logical components intended for use in electronic computer systems. Included are general-purpose electronic analog computers, electronic digital computers, military, ruggedized, and special purpose computers. The electronic computers may be used for data processing or may be incorporated as components of control equipment for industrial use, and as components of equipment used in weapons and weapons systems, space and oceanographic exploration, and transportation and other systems. Electronic computer systems contain high-speed arithmetic and program control units, on-line information storage devices, input/output equipment, terminals, data communication devices, and punched card equipment. Examples of input/output equipment are converters (card and/or tape) and readers and printers. Examples of storage devices are magnetic drums and disks magnetic cores and magnetic film memories. In addition to providing technical manuals necessary for the operation and maintenance of the equipment, establishments in this industry usually furnish general-purpose computer programs and basic operating systems programs needed for effective use of the computer system. Establishments primarily producing rebuilt electronic computers are also included in this industry. Establishments primarily engaged in manufacturing desk calculators, cash registers, accounting machines and similar equipment that are operator-paced are classified in industry 3574; electrical and electronic test equipment in industry 3825; industrial controls, including electronic, in industry 3622; and industrial process instruments in industry 3823.

3574 Calculating and Accounting Machines, Except Electronic Computing Equipment.—Establishments primarily engaged in manufacturing desk calculators, adding and accounting machines, cash registers, and similar equipment. Included are electronic calculating and accounting machines which, even when augmented by attachments or which include program control or have input/output capabilities, must be paced by operator intervention. Establishments primarily engaged in manufacturing electronic computing equipment are classified in industry 3573; typewriters in industry 3572; and office duplicating machines and devices, autographic registers, and other office machines in industry 3579.

3576 Scales and Balances, Except Laboratory.—Establishments primarily engaged in manufacturing weighing and force measuring machines and devices of all

types, except those regarded as scientific apparatus for laboratory and experimental work, which are classified in industry 3811.

3579 Typewriters and Office Machines, Not Elsewhere Classified.—(See 3572.)

358 REFRIGERATION AND SERVICE INDUSTRY MACHINERY

3581 Automatic Merchandising Machines.—Establishments primarily engaged in manufacturing automatic merchandising units, also referred to as vending machines (excluding music, amusement, or gaming machines), and coin-operated mechanisms for such machines.

3582 Commercial Laundry, Dry Cleaning, and Pressing Machines.—Establishments primarily engaged in manufacturing laundry and dry cleaning equipment and pressing machines for commercial and industrial use. Establishments primarily engaged in manufacturing household laundry equipment, including coin-operated washers and driers, are classified in industry 3633.

3585 Air-Conditioning and Warm-Air Heating Equipment and Commercial and Industrial Refrigeration Equipment.—Establishments primarily engaged in manufacturing refrigeration equipment and systems and similar equipment for commercial and industrial use; complete air-conditioning units for domestic, commercial, and industrial use; and warm-air furnaces, except electric. Establishments primarily engaged in manufacturing soda fountains and beer dispensing equipment and humidifiers and dehumidifiers, except for rooms, are also classified in this industry. Establishments primarily engaged in manufacturing household refrigerators and home and farm freezers are classified in industry 3632; electric air space heaters in industry 3634; and electric warm-air furnaces and other electric comfort heating equipment in industry 3699.

3586 Measuring and Dispensing Pumps.—Establishments primarily engaged in manufacturing measuring and dispensing pumps commonly used in service and filling stations for dispensing gasoline, oil, and grease, including grease guns. Establishments primarily engaged in manufacturing pumps and pumping equipment for general industrial use are classified in industry 3561.

3589 Service Industry Machines, Not Elsewhere Classified.—Establishments primarily engaged in manufacturing machines and equipment, not elsewhere classified, for use in service industries, such as floor sanding machines, industrial vacuum cleaners, scrubbing machines, commercial cooking and food warming equipment, and commercial dishwashing machines. Establishments primarily engaged in manufacturing household electrical appliances are classified in group 363.

359 MISCELLANEOUS MACHINERY, EXCEPT ELECTRICAL

3592 Carburetors, Pistons, Piston Rings, and Valves.—Establishments primarily engaged in manufacturing carburetors, pistons, piston rings, and valves. Establishments primarily engaged in manufacturing metallic packing are classified in industry 3293; and those primarily engaged in manufacturing machine repair and equipment parts (except electric), on a job or order basis for others, are classified in industry 3599.

3599 Machinery, Except Electrical, Not Elsewhere Classified.—Establishments primarily engaged in manufacturing machinery and parts except electrical, not elsewhere classified, such as amusement park equipment, pneumatic and hydraulic cylinders, and flexible metal hose and tubing. This industry also includes establishments primarily engaged in producing or repairing machine and equipment parts, not elsewhere classified, on a job or order basis for others.

36 ELECTRICAL AND ELECTRONIC MACHINERY, EQUIPMENT, AND SUPPLIES

This major group includes establishments engaged in manufacturing machinery, apparatus, and supplies for the generation, storage, transmission, transformation, and utilization of electrical energy. The manufacture of household appliances is included in this group, but industrial machinery and equipment powered by built-in or detachable electric motors is classified in SIC Major Group 35. Establishments primarily engaged in manufacturing instruments for indicating, measuring, and recording electrical quantities are classified in industry 3825.

361 ELECTRIC TRANSMISSION AND DISTRIBUTION EQUIPMENT

3612 Power, Distribution, and Specialty Transformers.—Establishments primarily engaged in manufacturing power, distribution, instrument, and specialty transformers. Establishments primarily engaged in manufacturing radio frequency or voice frequency transformers, coils, or chokes are classified in industry 3677, and resistance welder transformers in industry 3623.

3613 Switchgear and Switchboard Apparatus.—Establishments primarily engaged in manufacturing switchgear and switchboard apparatus. Important products of this industry include power switches, circuit breakers, power switching equipment, and similar switchgear for general industrial application; switchboards and cubicles, control and metering panels, power fuse mountings, and similar switchboard apparatus and supplies. Establishments primarily engaged in manufacturing industrial controls are classified in industry 3622, and those manufacturing current-carrying wiring devices in industry 3643.

362 ELECTRICAL INDUSTRIAL APPARATUS

3621 Motors and Generators.—Establishments primarily engaged in manufacturing electric motors (except starting motors) and power generators; motor generator sets; railway motors and control equipment; and motors, generators, and control equipment for gasoline, electric, and oil-electric buses and trucks. Establishments primarily engaged in manufacturing turbo-generators are classified in industry 3511, and starting motors and battery charging generators for internal combustion engines in industry 3694.

3622 Industrial Controls.—Establishments primarily engaged in manufacturing motor starters and controllers; control accessories, electronic controls, and other industrial controls. Establishments primarily engaged in manufacturing automatic temperature controls are classified in industry 3822, and industrial process instruments in industry 3823.

3623 Welding Apparatus, Electric.—Establishments primarily engaged in manufacturing electric welding apparatus and accessories. Establishments primarily engaged in coating welding wire from purchased wire or from wire drawn in the same establishment are also included. Establishments primarily engaged

in manufacturing gas welding apparatus are classified in industry 3549, and laser, electron beam, and ultrasonic welding machines and equipment in industry 3662.

3624 Carbon and Graphite Products.—Establishments primarily engaged in manufacturing lighting carbons; carbon, graphite, and metal-graphite brushes and brush stock; carbon or graphite electrodes for thermal and electrolytic uses; and other carbon, graphite, and metal-graphite products.

3629 Electrical Industrial Apparatus, Not Elsewhere Classified.—Establishments primarily engaged in manufacturing industrial and commercial electric apparatus and equipment, not elsewhere classified, such as blasting machines, and fixed and variable capacitors, condensers, and rectifiers for industrial applications. Establishments primarily engaged in manufacturing condensers, capacitors, and rectifiers for electronic end products are classified in SIC group 367.

363 HOUSEHOLD APPLIANCES

3631 Household Cooking Equipment.—Establishments primarily engaged in manufacturing household cooking equipment, such as stoves, ranges, and ovens, including both electric and nonelectric types. Establishments primarily engaged in manufacturing household cooking appliances, such as hot plates, grills, percolators, and toasters, are classified in industry 3634. Establishments primarily engaged in manufacturing commercial cooking equipment are classified in industry 3589.

3632 Household Refrigerators and Home and Farm Freezers.—Establishments primarily engaged in manufacturing household refrigerators and home and farm freezers. Establishments primarily engaged in manufacturing commercial and industrial refrigeration equipment, packaged room coolers, and all refrigeration compressor and condenser units are classified in industry 3585, and room dehumidifiers are classified in industry 3634.

3633 Household Laundry Equipment.—Establishments primarily engaged in manufacturing laundry equipment, such as washing machines, wringers, driers, and ironers, for household use. This industry also includes coin-operated washers and driers. Establishments primarily engaged in manufacturing commercial laundry equipment are classified in industry 3582.

3634 Electric Housewares and Fans.—Establishments primarily engaged in manufacturing electric housewares for heating, cooking, and other purposes; and electric fans, including ventilating and exhaust household-type fans. Important products of this industry include electric air heaters, electrically heated bed coverings, blenders, broilers, deep-fat fryers, flat irons, food mixers, hot plates, percolators and coffeemakers, roasters, toasters, desk and bracket fans, hassock or floor fans, window-type propeller fans, roll-about fans and household and kitchen ventilating and exhaust fans. Establishments primarily engaged in manufacturing industrial and commercial blowers, industrial and commercial exhaust and ventilating fans, and attic fans are classified in industry 3564.

3635 Household Vacuum Cleaners.—Establishments primarily engaged in manufacturing vacuum cleaners for household use. Establishments primarily engaged in manufacturing vacuum cleaners for industrial use are classified in industry 3589, and built-in vacuum cleaner systems in industry 1796.

3636 Sewing Machines.—Establishments primarily engaged in manufacturing sewing machines for domestic and industrial use.

3639 Household Appliances, Not Elsewhere Classified.—Establishments primarily engaged in manufacturing household appliances, not elsewhere classified, such as water heaters, dishwashers, and food waste disposal units.

364 ELECTRIC LIGHTING AND WIRING EQUIPMENT

3641 Electric Lamps.—Establishments primarily engaged in manufacturing electric bulbs, tubes, and related light sources. Important products of this industry include incandescent filament lamps, vapor and fluorescent lamps, photoflash and photoflood lamps, electrotherapeutic lamp units for ultra-violet and infra-red radiation, and other electric light sources. Establishments primarily engaged in manufacturing glass blanks for bulbs are classified in industry 3229; and lamp components, such as supports, filaments, lead-in wires, and cold cathode fluorescent lamp electrodes, in industry 3699.

- 3643 Current-Carrying Wiring Devices.**—Establishments primarily engaged in manufacturing current-carrying wiring devices. Important products of this industry include attachment plugs and caps, convenience outlets, lamp sockets and receptacles, snap switches, conductor connectors, overhead trolley line material, rail bonds for both propulsion and signal circuits, lightning arrestors, and other lightning protective equipment.
- 3644 Noncurrent-Carrying Wiring Devices.**—Establishments primarily engaged in manufacturing noncurrent-carrying wiring devices. Important products of this industry include conduits and fittings; electrical insulators and insulation materials, except porcelain insulators (industry 3264) and glass insulators (industry 3229); outlet, switch and fuse boxes; and pole line hardware.
- 3645 Residential Electric Lighting Fixtures.**—Establishments primarily engaged in manufacturing residential electric lighting fixtures and equipment, fixed or portable. Establishments primarily engaged in producing glassware for lighting fixtures are classified in SIC Major Group 32; electric light bulbs, tubes, and related light sources in industry 3641; lampshades except glass and metal in industry 3999; and non-electric fixtures and portable electric flashlights, lanterns, and similar lamps in industry 3648.
- 3646 Commercial, Industrial, and Institutional Electric Lighting Fixtures.**—Establishments primarily engaged in manufacturing commercial, industrial, and institutional electric lighting fixtures. Establishments primarily engaged in producing glassware for lighting fixtures are classified in SIC Major Group 32; residential lighting fixtures in industry 3645; and vehicular lighting fixtures in industry 3647.
- 3647 Vehicular Lighting Equipment.**—Establishments primarily engaged in manufacturing vehicular lighting equipment.
- 3648 Lighting Equipment, Not Elsewhere Classified.**—Establishments primarily engaged in manufacturing lighting fixtures and equipment, electric and non-electric, not elsewhere classified, including flashlights and similar portable lamps, searchlights, ultraviolet lamp fixtures, and infra-red lamp fixtures. Establishments primarily engaged in manufacturing electric light bulbs, tubes, and related light sources are classified in industry 3641, and those producing glassware for lighting fixtures are classified in SIC Major Group 32.

365 RADIO AND TELEVISION RECEIVING EQUIPMENT, EXCEPT COMMUNICATION TYPES

- 3651 Radio and Television Receiving Sets, Except Communication Types.**—Establishments primarily engaged in manufacturing electronic equipment for home entertainment, including auto radios and tape players. This industry also includes establishments primarily engaged in manufacturing public address systems and music distribution apparatus. Establishments primarily engaged in manufacturing phonograph records and prerecorded tape are classified in industry 3652. Establishments primarily engaged in manufacturing separate cabinets for home electronic equipment are classified in SIC Major Group 25.
- 3652 Phonograph Records and Prerecorded Magnetic Tape.**—Establishments primarily engaged in manufacturing phonograph records and prerecorded magnetic tape. Establishments primarily engaged in manufacturing electronic equipment for home entertainment, except records and prerecorded magnetic tape, are classified in industry 3651.

366 COMMUNICATION EQUIPMENT

- 3661 Telephone and Telegraph Apparatus.**—Establishments primarily engaged in manufacturing wire telephone and telegraph equipment and parts especially designed for telephone and telegraph use.
- 3662 Radio and Television Transmitting, Signaling, and Detection Equipment and Apparatus.**—Establishments primarily engaged in manufacturing (1) radio and television broadcasting equipment; (2) electric communication equipment and parts, except telephone and telegraph; (3) electronic field detection apparatus, light and heat emission operating apparatus, object detection apparatus and navigational electronic equipment, and aircraft and missile control systems; (4) high-energy particle accelerator systems and equipment designed and sold as a complete package for radiation therapy, irradiation, radiographic inspection, and research (linear accelerators, betatrons, dynamotrons, Vandergraff generators, resonant transformers, insulating core transformers, etc.); (5) high-energy particle electronic equipment and accessories sold separately for the construction of linear accelerators, cyclotrons, synchrotrons, and other high-energy research installations (transmitters/modulators, accelerating wave-

guide structures, pulsed electron guns, vacuum systems, cooling systems, etc.); and (6) other electric and electronic communication and signaling products not elsewhere classified. Establishments primarily engaged in manufacturing transmitting tubes are classified in industry 3673.

367 ELECTRONIC COMPONENTS AND ACCESSORIES

3671 Radio and Television Receiving-Type Electron Tubes, Except Cathode Ray.—Establishments primarily engaged in manufacturing radio and television receiving-type electron tubes, except cathode ray tubes. Establishments primarily engaged in manufacturing television receiving-type cathode ray tubes are classified in industry 3672; transmitting tubes in industry 3673; and X-ray tubes in industry 3693.

3672 Cathode Ray Television Picture Tubes.—Establishments primarily engaged in manufacturing television receiving-type cathode ray tubes. Establishments primarily engaged in manufacturing other radio and television receiving-type electron tubes are classified in industry 3671; and transmitting tubes in industry 3673.

3673 Transmitting, Industrial, and Special Purpose Electron Tubes.—Establishments primarily engaged in manufacturing transmitting, industrial, and special purpose electron tubes. Establishments primarily engaged in manufacturing radio and television receiving tubes are classified in industry 3671; television receiving-type cathode ray tubes in industry 3672; and X-ray tubes in industry 3693.

3674 Semiconductors and Related Devices.—Establishments primarily engaged in manufacturing semiconductor and related solid state devices, such as semiconductor diodes and stacks, including rectifiers, integrated microcircuits (semiconductor networks), transistors, solar cells, and light sensing and emitting semiconductor (solid state) devices.

3675 Electronic Capacitors.—Establishments primarily engaged in manufacturing electronic capacitors.

3676 Resistors, for Electronic Applications.—Establishments primarily engaged in manufacturing resistors for electronic end products. Establishments primarily engaged in manufacturing resistors for telephone and telegraph apparatus are classified in industry 3661.

3677 Electronic Coils, Transformers, and Other Inductors.—Establishments primarily engaged in manufacturing electronic coils, transformers, and inductors. Establishments primarily engaged in manufacturing transformers and inductors for telephone and telegraph apparatus are classified in industry 3661; electric lamps in industry 3641; and semiconductor (solid state) and related devices in industry 3674.

3678 Connectors, for Electronic Applications.—Establishments primarily engaged in manufacturing electronic connectors. Establishments primarily engaged in manufacturing electronic capacitors are classified in industry 3675; and electronic coils, transformers, and other inductors in industry 3677.

3679 Electronic Components, Not Elsewhere Classified.—Establishments primarily engaged in manufacturing electronic components, not elsewhere classified, such as receiving antennas, printed circuits, switches, and wave guides.

369 MISCELLANEOUS ELECTRICAL MACHINERY, EQUIPMENT, AND SUPPLIES

3691 Storage Batteries.—Establishments primarily engaged in manufacturing storage batteries.

3692 Primary Batteries, Dry and Wet.—Establishments primarily engaged in manufacturing primary batteries, dry or wet.

3693 Radiographic X-ray, Fluoroscopic X-ray, Therapeutic X-ray, and Other X-ray Apparatus and Tubes; Electromedical and Electrotherapeutic Apparatus.—Establishments primarily engaged in manufacturing radiographic X-ray, fluoroscopic X-ray, and therapeutic X-ray apparatus and tubes for medical, industrial, research and control applications. This industry also includes establishments primarily engaged in manufacturing electromedical and electrotherapeutic apparatus except electrotherapeutic lamp units for ultra-violet and infra-red radiation (industry 3641). Establishments primarily engaged in manufacturing radio receiving-type tubes are classified in industry 3671; television receiving cathode ray tubes in industry 3672; and transmitting tubes in industry 3673.

3694 Electrical Equipment for Internal Combustion Engines.—Establishments primarily engaged in manufacturing electrical equipment for internal combustion engines. Important products of this industry

include armatures, starting motors, alternators, and generators for automobiles and aircraft; and ignition apparatus for internal combustion engines, including spark plugs, magnetos, coils, and distributors.

- 3699 Electrical Machinery, Equipment, and Supplies, Not Elsewhere Classified.**—Establishments primarily in manufacturing electrical machinery, equipment, and supplies, not elsewhere classified, such as appliance and extension cords, bells and chimes, and insect traps.

37 TRANSPORTATION EQUIPMENT

This major group includes establishments engaged in manufacturing equipment for transportation of passengers and cargo by land, air, and water. Important products produced by establishments classified in this major group include motor vehicles, aircraft, guided missiles and space vehicles, ships, boats, railroad equipment, and miscellaneous transportation equipment such as motorcycles, bicycles, and snowmobiles. Establishments primarily engaged in manufacturing mobile homes are classified in industry 2451.

371 MOTOR VEHICLES AND MOTOR VEHICLE EQUIPMENT

- 3711 Motor Vehicles and Car Bodies.**—This industry comprises establishments primarily engaged in the manufacture of passenger cars, passenger car bodies, trucks, buses, and wheeled combat vehicles. Complete car chassis and complete truck chassis, with or without cab, are also included in this industry. Establishments primarily engaged in the manufacture of trucks or buses on purchased chassis are classified in industry 3713; tanks, self-propelled weapons, and other military vehicles in industry 3795; and motor homes produced on purchased chassis in industry 3716.
- 3713 Truck and Bus Bodies.**—Establishments primarily engaged in manufacturing truck and bus bodies for sale separately or for assembly on purchased chassis. Establishments primarily engaged in manufacturing complete trucks and buses are classified in industry 3711, stamped body parts for trucks and buses in industry 3465, and truck trailers and demountable cargo containers in industry 3715.
- 3714 Motor Vehicle Parts and Accessories.**—Establishments primarily engaged in manufacturing motor vehicle

parts and accessories, but not engaged in manufacturing complete motor vehicles or passenger car bodies. Establishments primarily engaged in manufacturing or assembling complete automobiles and trucks are classified in industry 3711, tires and tubes in industry 3011, automobile glass in SIC Major Group 32, automobile stampings in industry 3465, ignition systems in industry 3694, storage batteries in industry 3691, and carburetors, pistons, rings, and valves in industry 3592.

- 3715 Truck Trailers.**—Establishments primarily engaged in manufacturing truck trailers, truck trailer chassis for sale separately, detachable trailer bodies (cargo containers) for sale separately, and detachable trailer (cargo container) chassis for sale separately.

- 3716 Motor Homes Produced on Purchased Chassis.**—This industry comprises establishments primarily engaged in the manufacture of motor homes produced on purchased chassis. Establishments primarily engaged in the manufacture of motor homes produced on chassis of own manufacture are classified in industry 3711.

The Motor Homes Produced on Purchased Chassis is included for the first time in the 1977 census.

372 AIRCRAFT AND PARTS

- 3721 Aircraft.**—Establishments primarily engaged in manufacturing or assembling complete aircraft. This industry also includes establishments primarily engaged in research and development on aircraft or in factory-type aircraft modification on a contract or fee basis. Establishments primarily engaged in manufacturing engines, propellers, and other aircraft parts and auxiliary equipment are classified in industries 3724 and 3728; and those producing guided missiles and space vehicles and parts are classified in SIC group 376.
- 3724 Aircraft Engines and Engine Parts.**—Establishments primarily engaged in manufacturing aircraft engines and engine parts. Research and development on aircraft engines is included in this industry. Establishments primarily engaged in manufacturing guided missile and space vehicle propulsion units and parts are classified in industry 3764.
- 3728 Aircraft Parts and Auxiliary Equipment, Not Elsewhere Classified.**—Establishments primarily engaged in manufacturing aircraft parts and auxiliary equip-

ment not elsewhere classified. Research and development on aircraft parts is included in this industry. Establishments primarily engaged in manufacturing or assembling complete aircraft are classified in industry 3721, aircraft engines and parts in industry 3724, aeronautical instruments in industry 3811, aeronautical electrical equipment in industry 3694, and guided missile and space vehicle parts and auxiliary equipment in industry 3769.

373 SHIP AND BOAT BUILDING AND REPAIRING

3731 Ship Building and Repairing.—Establishments primarily engaged in building and repairing all types of ships, barges, and lighters, whether propelled by sail or motor power or towed by other craft. This industry also includes the conversion and alteration of ships. Establishments primarily engaged in fabricating structural assemblies or components for ships, or subcontractors engaged in ship painting, joinery, carpentry work, electrical wiring installation, etc., are classified in other industries.

3732 Boat Building and Repairing.—Establishments primarily engaged in building and repairing all types of boats. Establishments primarily engaged in cleaning and storing boats and in the rental of dock space and yacht clubs are classified in nonmanufacturing industries. Establishments primarily engaged in manufacturing rubber and nonrigid plastic boats are classified in SIC Major Group 30.

374 RAILROAD EQUIPMENT

3743 Railroad Equipment.—Establishments primarily engaged in building and rebuilding locomotives (including frames and parts not elsewhere classified) of any type or gage; and railroad, street, and rapid transit cars and car equipment for operation on rails for freight and passenger service. This industry also includes establishments primarily engaged in manufacturing trackless trolley buses. Establishments primarily engaged in manufacturing mining cars are classified in industry 3532. Repair shops, owned and operated by railroads or local transit companies, rebuilding or repairing locomotives or cars, or building new locomotives or cars for their own account, are classified in SIC Major Groups 40 and 41.

375 MOTORCYCLES, BICYCLES, AND PARTS

3751 Motorcycles, Bicycles, and Parts.—Establishments primarily engaged in manufacturing motorcycles, bicycles, and similar equipment and parts. Establishments primarily engaged in assembling motorcycles or bicycles from purchased parts are also included in this industry. Establishments primarily engaged in manufacturing children's vehicles, except bicycles, are classified in industry 3944. Establishments primarily engaged in manufacturing golf carts and other similar personnel carriers are classified in industry 3799.

376 GUIDED MISSILES AND SPACE VEHICLES AND PARTS

3761 Guided Missiles and Space Vehicles.—Establishments primarily engaged in manufacturing complete guided missiles and space vehicles. Research and development and other services on or for guided missiles and space vehicles are included in this industry. Establishments primarily engaged in manufacturing guided missile and space vehicle propulsion units and propulsion unit parts are classified in industry 3764; space satellite and guided missile and space vehicle airborne and ground guidance, checkout, and launch electronic systems and components in industry 3662; and guided missile and space vehicle airframes, nose cones, and space capsules in industry 3769.

3764 Guided Missile and Space Vehicle Propulsion Units and Propulsion Unit Parts.—Establishments primarily engaged in manufacturing guided missile propulsion units and propulsion unit parts. Research and development on guided missile and space vehicle propulsion units and propulsion unit parts is also included in this industry.

3769 Guided Missile and Space Vehicle Parts and Auxiliary Equipment, Not Elsewhere Classified.—Establishments primarily engaged in manufacturing guided missile and space vehicle parts and auxiliary equipment not elsewhere classified. Research and development on guided missile and space vehicle parts and auxiliary equipment, not elsewhere classified, is also included in this industry. Establishments primarily engaged in manufacturing navigational and guidance systems are classified in industry 3662.

379 MISCELLANEOUS TRANSPORTATION EQUIPMENT

- 3792 Travel Trailers and Campers.**—Establishments primarily engaged in manufacturing travel trailers for attachment to passenger cars or other vehicles, pickup coaches (campers) or caps (covers) for mounting on pickup trucks and self-contained motor homes. Travel trailers are generally 35 feet long or less, 8 feet wide or less, and have storage facilities for water and waste. Establishments primarily engaged in manufacturing mobile homes are classified in industry 2451.
- 3795 Tanks and Tank Components.**—Establishments primarily engaged in manufacturing or assembling complete tanks and specialized components for tanks. Establishments primarily engaged in manufacturing military vehicles other than tanks are classified in SIC group 371, and tank engines in industry 3519.
- 3799 Transportation Equipment, Not Elsewhere Classified.**—Establishments primarily engaged in manufacturing transportation equipment not elsewhere classified. Establishments primarily engaged in manufacturing industrial trucks, tractors, trailers, and stackers are classified in industry 3537, and children's vehicles except bicycles in industry 3944.

38 MEASURING, ANALYZING, AND CONTROLLING INSTRUMENTS; PHOTOGRAPHIC, MEDICAL, AND OPTICAL GOODS; WATCHES AND CLOCKS

This major group includes establishments engaged in manufacturing instruments (including professional and scientific) for measuring, testing, analyzing, and controlling, and their associated sensors and accessories; optical instruments and lenses; surveying and drafting instruments; surgical, medical, and dental instruments, equipment, and supplies; ophthalmic goods; photographic equipment and supplies; and watches and clocks.

381 ENGINEERING, LABORATORY, SCIENTIFIC, AND RESEARCH INSTRUMENTS AND ASSOCIATED EQUIPMENT

- 3811 Engineering, Laboratory, Scientific, and Research Instruments and Associated Equipment.**—Establishments primarily engaged in manufacturing engineering, laboratory, and scientific instruments, including nautical, navigational, aeronautical, surveying, and

drafting equipment and instruments for laboratory work and scientific research (except optical instruments—industry 3832). Establishments primarily engaged in manufacturing surgical and medical instruments are classified in industry 3841; dental instruments and equipment in industry 3843; measuring, analyzing, and controlling instruments, including instruments for measuring electrical quantities and characteristics, in SIC group 382; watches and clocks in industry 3873; machinists' precision measuring tools in industry 3545; and measuring and dispensing pumps in industry 3586.

382 MEASURING AND CONTROLLING INSTRUMENTS

- 3822 Automatic Controls for Regulating Residential and Commercial Environments and Appliances.**—Establishments primarily engaged in manufacturing temperature and related controls for heating and air-conditioning installations and refrigeration applications, which are electrically, electronically, or pneumatically actuated, and which measure and control variables such as temperature and humidity; and automatic regulators used as components of household appliances. Establishments primarily engaged in manufacturing industrial process controls are classified in industry 3823; motor control switches in industry 3622, switches for household appliances in industry 3643, and appliance timers in industry 3873.
- 3823 Industrial Instruments for Measurement, Display, and Control of Process Variables; and Related Products.**—Establishments primarily engaged in manufacturing industrial instruments and related products for measuring, displaying (indicating and/or recording), transmitting, and controlling process variables in manufacturing, energy conversion, and public service utilities. These instruments operate mechanically, pneumatically, electronically, or electrically to measure process variables such as temperature, humidity, pressure, vacuum, combustion, flow, level, viscosity, density, acidity, alkalinity, specific gravity, gas and liquid concentration, sequence, time interval, mechanical motion, and rotation. Establishments primarily engaged in manufacturing electrical integrating meters are classified in industry 3825; residential and commercial comfort controls in industry 3822; all liquid-in-glass and bimetal thermometers and glass hydrometers in industry 3829; recorder charts in SIC group 275, and optical instruments in industry 3832.

3824 Totalizing Fluid Meters and Counting Devices.—Establishments primarily engaged in manufacturing totalizing (registering) meters, monitoring fluid flows, such as watermeters and gasmeters; and producers of mechanical and electromechanical counters and associated metering devices. Establishments primarily engaged in manufacturing electricity integrating meters and electronic frequency counters are classified in industry 3825; and industrial process instruments in industry 3823.

3825 Instruments for Measuring and Testing of Electricity and Electrical Signals.—Establishments primarily engaged in manufacturing instruments for measuring the characteristics of electricity and electrical signals, such as voltmeters, ammeters, watt-meters, watt-hour meters, demand meters, and equipment for testing the electrical characteristics of electrical, radio, and communication circuits and of internal combustion engines. Establishments primarily engaged in the manufacturing of electronic check-out, monitoring, evaluating, and other electronic support equipment for electronic navigational, radar, sonar, and other communications systems are classified in industry 3662.

3829 Measuring and Controlling Devices, Not Elsewhere Classified.—Establishments primarily engaged in manufacturing measuring and controlling devices, not elsewhere classified, including testing instruments to determine the physical properties of materials, nuclear instruments, aircraft engine instruments, and liquid-in-glass and bimetal thermometers.

383 OPTICAL INSTRUMENTS AND LENSES

3832 Optical Instruments and Lenses.—Establishments primarily engaged in manufacturing instruments that measure an optical property; apparatus, except photographic, that projects or magnifies, such as binoculars, prisms, and lenses; optical sighting and fire control equipment; and related analytical instruments. Establishments primarily engaged in manufacturing eyeglass lenses, frames, or fittings are classified in industry 3851; separate computers in industry 3573; and electronic tracking and fire control systems in industry 3662.

384 SURGICAL, MEDICAL, AND DENTAL INSTRUMENTS AND SUPPLIES

3841 Surgical and Medical Instruments and Apparatus.—Establishments primarily engaged in manufacturing

medical, surgical, ophthalmic, and veterinary instruments and apparatus. Establishments primarily engaged in manufacturing surgical and orthopedic appliances are classified in industry 3842; and electrotherapeutic, electromedical, and X-ray apparatus in industry 3693.

3842 Orthopedic, Prosthetic, and Surgical Appliances and Supplies.—Establishments primarily engaged in manufacturing orthopedic, prosthetic, and surgical appliances and supplies, arch supports, and other foot appliances; fracture appliances, elastic hosiery, abdominal supporters, braces, and trusses; bandages; surgical gauze and dressings; sutures; adhesive tapes and medicated plasters; and personal safety appliances and equipment. Establishments primarily engaged in manufacturing surgical and medical instruments are classified in industry 3841. Establishments primarily engaged in manufacturing appliances and in the personal fitting to the individual prescription of a physician are classified in trade industries.

3843 Dental Equipment and Supplies.—Establishments primarily engaged in manufacturing artificial teeth, dental metals, alloys and amalgams, and a wide variety of equipment, instruments, and supplies used by dentists, dental laboratories, and dental colleges. Dental laboratories constructing artificial dentures, bridges, inlays, and other dental restorations on specifications from dentists are classified in industry 8072.

385 OPHTHALMIC GOODS

3851 Ophthalmic Goods.—Establishments primarily engaged in manufacturing ophthalmic frames, lenses, and sunglass lenses. Establishments primarily engaged in manufacturing slit lamps are classified in industry 3841, and molded glass blanks in industry 3229. Establishments primarily engaged in grinding lenses and fitting glasses to prescription are classified in trade.

386 PHOTOGRAPHIC EQUIPMENT AND SUPPLIES

3861 Photographic Equipment and Supplies.—Establishments primarily engaged in manufacturing (1) photographic apparatus, equipment, parts, attachments, and accessories, such as still and motion

picture cameras and projection apparatus; photocopy and microfilm equipment; blueprinting and diazotype (white printing) apparatus and equipment; and other photographic equipment; and (2) sensitized film, paper, cloth, plates, and prepared photographic chemicals for use therewith. Establishments primarily engaged in manufacturing photographic paper stock (unsensitized), and paper mats, mounts, easels, and folders for photographic use are classified in SIC Major Group 26; photographic lenses in industry 3832; photographic glass in SIC Major Group 32; chemicals for technical purposes, not specifically prepared and packaged for use in photography, in SIC Major Group 28; and photographic flash, flood enlarger, and projection lamps in industry 3641.

387 WATCHES, CLOCKS, CLOCKWORK OPERATED DEVICES, AND PARTS

3873 Watches, Clocks, Clockwork Operated Devices, and Parts.—Establishments primarily engaged in manufacturing clocks (including electric), watches, watchcases, mechanisms for clockwork operated devices, and clock and watch parts. This industry includes establishments primarily engaged in assembling clocks and watches from purchased movements and cases. Establishments primarily engaged in manufacturing time clocks are classified in industry 3579, glass crystals in industry 3231, and unbreakable crystals in industry 3079.

39 MISCELLANEOUS MANUFACTURING INDUSTRIES

This major group includes establishments primarily engaged in manufacturing products not classified in any other manufacturing group. Industries in this group fall into the following categories: Jewelry, silverware and plated ware; musical instruments; toys, sporting and athletic goods; pens, pencils, and other office and artists' materials; buttons, costume novelties, miscellaneous notions; brooms and brushes; caskets; and other miscellaneous manufacturing industries.

391 JEWELRY, SILVERWARE, AND PLATED WARE

3911 Jewelry, Precious Metal.—Establishments primarily engaged in manufacturing jewelry and other articles

worn on or carried about the person, made of precious metals with or without stones (including the setting of stones where used), including cigarette cases and lighters, vanity cases and compacts; trimmings for umbrellas and canes; and jewel settings and mountings. Establishments primarily engaged in manufacturing costume jewelry from nonprecious metals and other materials are classified in industry 3961.

3914 Silverware, Plated Ware, and Stainless Steel Ware.—

Establishments primarily engaged in manufacturing flatware (including knives, forks, and spoons), hollowware, toiletware, ecclesiastical ware, and related products made of sterling silver; of metal plated with silver, gold, or other metal; of nickel silver; of pewter; or of stainless steel.

3915 Jewelers' Findings and Materials and Lapidary Work.—

Establishments primarily engaged in manufacturing unassembled jewelry parts, and stock shop products such as sheet, wire, and tubing; and establishments of lapidaries primarily engaged in cutting, slabbing, tumbling, carving, engraving, polishing, or faceting stones from natural or manmade precious or semiprecious gem raw materials, either for sale or on a contract basis for the trade; in recutting, repolishing, and setting gem stones; or in cutting, drilling, and otherwise preparing jewels for instruments, dies, watches, chronometers, and other industrial uses. This industry includes the drilling, sawing, and peeling of real or cultured pearls, but does not include the manufacture of artificial pearls (industry 3961).

393 MUSICAL INSTRUMENTS

3931 Musical Instruments.—Establishments primarily engaged in manufacturing pianos, with or without player attachments; organs; other musical instruments; and parts and accessories for musical instruments.

394 TOYS AND AMUSEMENT, SPORTING, AND ATHLETIC GOODS

3942 Dolls.—Establishments primarily engaged in manufacturing dolls, doll parts, and doll clothing. Establishments primarily engaged in manufacturing stuffed toy animals are also included in this industry.

3944 Games, Toys, and Children's Vehicles; Except Dolls and Bicycles.—Establishments primarily engaged in manufacturing games and game sets for adults and children, and mechanical and nonmechanical toys. Important products of this industry include games such as chess, checkers, dominoes, puzzles, and other indoor games; and toys, such as toy furniture, doll carriages and carts, construction sets, mechanical trains, toy guns and air rifles, and other mechanical games and toys; baby carriages and strollers; children's velocipedes and tricycles, coaster wagons, play cars, sleds, and other children's outdoor wheel goods and vehicles, except bicycles (industry 3751). Establishments primarily engaged in manufacturing dolls are classified in industry 3942; and sporting and athletic goods for children and adults in industry 3949.

3949 Sporting and Athletic Goods, Not Elsewhere Classified.—Establishments primarily engaged in manufacturing sporting and athletic goods, not elsewhere classified, such as fishing tackle; golf and tennis goods; baseball, football, basketball, and boxing equipment; roller skates and ice skates; gymnasium and playground equipment; billiard and pool tables; and bowling alleys and equipment. Establishments primarily engaged in manufacturing athletic apparel are classified in SIC Major Group 23, small arms ammunition in industry 3482, and firearms in industry 3484.

395 PENS, PENCILS, AND OTHER OFFICE AND ARTISTS' MATERIALS

3951 Pens, Mechanical Pencils, and Parts.—Establishments primarily engaged in manufacturing pens, pen points, fountain pens, ballpoint pens, refill cartridges, porous-tipped felt tip markers, and parts.

3952 Lead Pencils, Crayons, and Artists' Materials.—Establishments primarily engaged in manufacturing lead pencils, pencil leads, and crayons; and materials and equipment for artwork, such as airbrushes, drawing tables and boards, palettes, sketch boxes, pantographs, artists' colors and waxes, pyrography goods, drawing inks, and drafting materials. Establishments primarily engaged in manufacturing mechanical pencils are classified in industry 3951, and drafting instruments in industry 3811.

3953 Marking Devices.—Establishments primarily engaged in manufacturing rubber and metal hand stamps,

dies, and seals; steel letters and figures; and stencils for use in painting or marking. Establishments primarily engaged in manufacturing felt tip markers are classified in industry 3951.

3955 Carbon Paper and Inked Ribbons.—Establishments primarily engaged in manufacturing carbon paper for business machines, sales books, etc.; spirit or gelatin process and other stencil paper; and inked or carbon ribbons for business machines.

396 COSTUME JEWELRY, COSTUME NOVELTIES, BUTTONS, AND MISCELLANEOUS NOTIONS, EXCEPT PRECIOUS METAL

3961 Costume Jewelry and Costume Novelties, Except Precious Metal.—Establishments primarily engaged in manufacturing costume jewelry, costume novelties, and ornaments made of all materials, except precious metal, precious or semiprecious stones, and rolled gold plate and gold filled materials (industry 3911).

3962 Feathers, Plumes, and Artificial Trees and Flowers.—Establishments primarily engaged in manufacturing artificial trees (including Christmas trees), flowers, fruits, and foliage made from all materials except glass; in producing fancy feathers, plumes, and articles made principally of feathers and plumes. Establishments primarily engaged in manufacturing artificial flowers, fruits, and foliage from glass are classified in industry 3231.

3963 Buttons.—Establishments primarily engaged in manufacturing buttons, button parts, and button blanks and molds, of all materials except precious metal and precious or semiprecious stones (industry 3911).

3964 Needles, Pins, Hooks and Eyes, and Similar Notions.—Establishments primarily engaged in manufacturing notions, such as machine and hand needles, pins, hooks and eyes, eyelets, buckles, and slide and snap fasteners.

399 MISCELLANEOUS MANUFACTURING INDUSTRIES

3991 Brooms and Brushes.—Establishments primarily engaged in manufacturing household, industrial, and street sweeping brooms; and brushes, such as paintbrushes, toothbrushes, toilet brushes, and household and industrial brushes.

3993 Signs and Advertising Displays.—Establishments primarily engaged in manufacturing electrical, mechanical, cutout, or plate signs and advertising displays, including neon signs and advertising novelties. Sign painting shops doing business on a custom basis are classified in industry 7399. Establishments primarily engaged in manufacturing electric signal equipment are classified in industry 3662, and commercial lighting fixtures in industry 3646.

3995 Burial Caskets.—Establishments primarily engaged in manufacturing burial caskets and cases including shipping cases of wood or other material except concrete. Establishments primarily engaged in producing other goods for use by morticians are classified on the basis of the product, such as burial garments in SIC Major Group 23.

3996 Linoleum, Asphalted-Felt-Base, and Other Hard-Surface Floor Coverings, Not Elsewhere Classified.—Establishments primarily engaged in manufacturing linoleum, asphalted-felt-base, and other hard-surface floor coverings not elsewhere classified. Establishments primarily engaged in manufacturing rubber floor coverings are classified in industry 3069, and cork floor and wall tile in industry 2499.

3999 Manufacturing Industries, Not Elsewhere Classified.—Establishments primarily engaged in manufacturing miscellaneous fabricated products, including beauty shop and barbershop equipment; hairwork; tobacco pipes and cigarette holders; coin-operated amusement machines; matches; candles; lampshades; dressed and dyed furs; umbrellas; parasols and canes; and other articles not elsewhere classified.

APPENDIX D. Reporting Forms

This appendix contains reproductions of a representative selection of reporting forms used in the 1977 economic censuses, with emphasis on the census of manufactures.

These forms are described in section 7 of the Introduction.

DUE DATE: February 15, 1978

Form Approved: O.M.B. No. 41-R2751

FORM NC-X1 (Items 1-4)
(4-27-77)U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS**1977 ECONOMIC CENSUSES
REPORT OF ORGANIZATION****NOTICE** — Response to this inquiry is required by law (Title 13, U.S. Code). By the same law, your report to the Census Bureau is confidential. It may be seen only by sworn Census employees and may be used only for statistical purposes. The law also provides that copies retained in your files are immune from legal process.

Refer to this CENSUS FILE NUMBER in any correspondence pertaining to this report

CENSUS USE ONLY

Unit No.	Item code	Unit No.	Item code	Unit No.	Item code

(Please correct any errors in name and address including ZIP code)

ACT	CCS	DOC
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Important - Please read

Please complete this report by February 15, 1978 and

RETURN YELLOW COPY TO --

BUREAU OF THE CENSUS
1201 East Tenth Street
Jeffersonville, Indiana 47132**NOTE** — Shaded boxes are for Bureau of the Census use only**Item 1 — COMPANY OWNERSHIP OR CONTROL (DOMESTIC)**

Does another U.S. (domestic) company own more than 50 percent of the voting stock of your company OR have the power to control the management and policies of your company?

1 ☐ YES — Enter the following information on the owning or controlling company and go to item 2.2 ☐ NO — Go to item 2

Name of owning or controlling company	Home office address (Number and street, city, State, and ZIP code)	Employer Identification Number of owning or controlling company
Percent of voting stock owned — Mark (X) one —————→ 1 <input type="checkbox"/> Less than 50% 2 <input type="checkbox"/> 50% 3 <input type="checkbox"/> More than 50%		

Item 2 — COMPANY OWNERSHIP OR CONTROL (FOREIGN)

Does a foreign entity (company, individual, government, etc.) own 10 percent or more of the voting stock or other equity rights of your company?

1 ☐ YES — Enter the following information on the owning entity and go to item 3.2 ☐ NO — Go to item 3

Name of owning entity	Home office address (City, country)
Percent of ownership — Mark (X) one —————→ 1 <input type="checkbox"/> Less than 10% 2 <input type="checkbox"/> 10-24% 3 <input type="checkbox"/> 25-49% 4 <input type="checkbox"/> 50% 5 <input type="checkbox"/> 51-99% 6 <input type="checkbox"/> 100%	

Item 3 — FOREIGN AFFILIATES

Does this enterprise alone, or with its domestic affiliates, own 10 percent or more of the voting stock of an incorporated foreign business enterprise, or an equivalent interest in an unincorporated foreign business enterprise, including ownership of real estate?

1 ☐ YES — Go to item 42 ☐ NO — Go to item 4**Item 4 — CERTIFICATION**

Name of person to contact regarding this report	Address (if different from above address)	Telephone		
		Area code	Number	Extension
This report is substantially accurate.				
Signature of authorized person	Title	Date		

FORM NC-X1 (Item 5A) 4-77-777		U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS		Refer to this CENSUS FILE NUMBER in any correspondence pertaining to this report											
1977 ECONOMIC CENSUSES REPORT OF ORGANIZATION															
Item 5A — ESTABLISHMENTS OF YOUR COMPANY AND ITS SUBSIDIARIES															
This item should include an up-to-date list of all establishments of your company and its subsidiaries, for which separate establishment reports are not required, for the 1977 Economic Censuses. Please correct any errors or omissions in the prelisted information in column (a) and complete columns (b) and (c) as indicated. Estimates are acceptable if book figures are not readily available. Please read the definitions and instructions on the reverse side before completing this item.															
	Employer identification: EI Number, establishment name, address or physical location including ZIP code, and major activity. Add store or plant number, if any, and correct any errors or omissions.	1977 Establishment data Report the number of employees and payroll for each establishment (including part year operations)		Status of establishment at end of 1977 Mark (X) one box and complete as indicated											
	(a)	(b)		(c)											
Census use only	EMPLOYER IDENTIFICATION NO.	Census use only		Employees (during pay period including March 12, 1977)	(Number)										
	GEO	SC	TE			Payroll for 1st quarter of 1977 before deductions									
	NAME						Mil. Thou. Dol.								
	STORE OR PLANT NO.														
	NUMBER AND STREET OF PHYSICAL LOCATION														
	CITY	STATE	ZIP	Total annual payroll for 1977 before deductions	Mil. Thou. Dol.										
	MAJOR ACTIVITY														
CENSUS FILE NO.	TO	IND	TAB			WT	CCS	NID							
	1 <input type="checkbox"/> In operation	NAME OF PURCHASER OR LESSEE NUMBER AND STREET CITY STATE ZIP CODE													
	2 <input type="checkbox"/> Sold or leased						MO	DAY	YR						
	3 <input type="checkbox"/> Closed (no new owner or operator), dismantled, or destroyed on														
							4 <input type="checkbox"/> Idle or inactive (but still owned)								
												5 <input type="checkbox"/> Other — Describe			
Census use only	EMPLOYER IDENTIFICATION NO.	Census use only		Employees (during pay period including March 12, 1977)	(Number)										
	GEO	SC	TE			Payroll for 1st quarter of 1977 before deductions									
	NAME						Mil. Thou. Dol.								
	STORE OR PLANT NO.														
		NUMBER AND STREET OF PHYSICAL LOCATION						Total annual payroll for 1977 before deductions	Mil. Thou. Dol.						
	CITY	STATE	ZIP												
	MAJOR ACTIVITY														
CENSUS FILE NO.	TO	IND	TAB	WT	CCS	NID									
	1 <input type="checkbox"/> In operation	NAME OF PURCHASER OR LESSEE NUMBER AND STREET CITY STATE ZIP CODE													
	2 <input type="checkbox"/> Sold or leased						MO	DAY	YR						
	3 <input type="checkbox"/> Closed (no new owner or operator), dismantled, or destroyed on														
							4 <input type="checkbox"/> Idle or inactive (but still owned)								
												5 <input type="checkbox"/> Other — Describe			
Census use only	EMPLOYER IDENTIFICATION NO.	Census use only		Employees (during pay period including March 12, 1977)	(Number)										
	GEO	SC	TE			Payroll for 1st quarter of 1977 before deductions									
	NAME						Mil. Thou. Dol.								
	STORE OR PLANT NO.														
		NUMBER AND STREET OF PHYSICAL LOCATION						Total annual payroll for 1977 before deductions	Mil. Thou. Dol.						
	CITY	STATE	ZIP												
	MAJOR ACTIVITY														
CENSUS FILE NO.	TO	IND	TAB	WT	CCS	NID									
	1 <input type="checkbox"/> In operation	NAME OF PURCHASER OR LESSEE NUMBER AND STREET CITY STATE ZIP CODE													
	2 <input type="checkbox"/> Sold or leased						MO	DAY	YR						
	3 <input type="checkbox"/> Closed (no new owner or operator), dismantled, or destroyed on														
							4 <input type="checkbox"/> Idle or inactive (but still owned)								
												5 <input type="checkbox"/> Other — Describe			
Census use only	EMPLOYER IDENTIFICATION NO.	Census use only		Employees (during pay period including March 12, 1977)	(Number)										
	GEO	SC	TE			Payroll for 1st quarter of 1977 before deductions									
	NAME						Mil. Thou. Dol.								
	STORE OR PLANT NO.														
		NUMBER AND STREET OF PHYSICAL LOCATION						Total annual payroll for 1977 before deductions	Mil. Thou. Dol.						
	CITY	STATE	ZIP												
	MAJOR ACTIVITY														
CENSUS FILE NO.	TO	IND	TAB	WT	CCS	NID									
	1 <input type="checkbox"/> In operation	NAME OF PURCHASER OR LESSEE NUMBER AND STREET CITY STATE ZIP CODE													
	2 <input type="checkbox"/> Sold or leased						MO	DAY	YR						
	3 <input type="checkbox"/> Closed (no new owner or operator), dismantled, or destroyed on														
							4 <input type="checkbox"/> Idle or inactive (but still owned)								
												5 <input type="checkbox"/> Other — Describe			

DUE DATE: 7 Days after Receipt

Form Approved: O.M.B. No. 41-577010

FORM NC-X2

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS1977 ECONOMIC CENSUSES
LISTING OF ADDITIONAL ESTABLISHMENTSPlease complete this
form and RETURN TOBUREAU OF THE CENSUS
1201 East Tenth Street
Jeffersonville, Indiana 47132NOTE — Additional copies of this form are available upon request. If
you prefer, list additional establishments on your own paper.
BE SURE TO ENTER THE CENSUS FILE NUMBER in the
upper right-hand corner of each additional sheet.NOTICE — Response to this inquiry is required by law (title 13, U.S. Code). By the same law,
your report to the Census Bureau is confidential. It may be seen only by sworn Census employees
and may be used only for statistical purposes. The law also provides that copies retained in your
files are immune from legal process.In correspondence pertaining to this report,
please refer to this Census File NumberEmployer Identification
Number

Please correct errors in name, address and ZIP code. ENTER street and number if not shown.

Census use only	Unit No.	Item code	Unit No.	Item code	Unit No.	Item code	ACT	CCS	DOC
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Item 1 — Does your organization or any of its subsidiaries have any
establishments located in the United States or any of its
territories which are not accounted for on other report forms
in this mailing package?

- ☐ YES — Go to item 2
☐ NO — Complete CERTIFICATION on reverse side and return report

Item 2 — LISTING OF ADDITIONAL ESTABLISHMENTS

INSTRUCTIONS

Column (a) — Complete this column for each establishment that you list.

Column (b) — Mark (X) the box which best describes the principal activity of each establishment using the following code box descriptions:

- | | |
|--|--|
| 1 — Agricultural production | 12 — Transportation and public utilities |
| 2 — Agricultural services | 13 — Finance, insurance, or real estate |
| 3 — Mining | 14 — Services |
| 4 — Construction | 15 — Medical, legal, or educational |
| 5 — Merchant wholesaler | 16 — Auxiliary establishments such as storage warehouses
and research laboratories primarily providing service
to your own or affiliated company rather than customers
or clients |
| 6 — Commission agent/broker | 17 — Central administrative office, accounting, purchasing,
legal activities for your own company |
| 7 — Communications | 18 — Other — Specify in column (c) below |
| 8 — Manufacturers' sales branch/office | |
| 9 — Manufacturing | |
| 10 — Retail | |
| 11 — Retail concessions/departments in retail stores | |

Column (c) — List in order of importance the principal products mined or made; kinds of wholesale or retail business; types of services provided; kinds
of construction work done; or the types of crops grown or animals raised, etc.

Column (d) — Complete as indicated.

NOTE — Please return this report form whether or not you report additional establishments.

Employer Identification (EI) Number, establishment name, your store or plant number, if any, and address of physical location (including ZIP code)	Principal activity Mark (X) one box from the above descriptions	Description of products, business, services, etc. List in order of importance	Operating status
(a)	(b)	(c)	(d)
EMPLOYER IDENTIFICATION NUMBER NAME STORE OR PLANT NO. NUMBER AND STREET OF PHYSICAL LOCATION CITY STATE ZIP CODE Census use only CENSUS FILE NO. SC TO IND FORM TAB WT CCS OID	1 <input type="checkbox"/> 10 <input type="checkbox"/> 2 <input type="checkbox"/> 11 <input type="checkbox"/> 3 <input type="checkbox"/> 12 <input type="checkbox"/> 4 <input type="checkbox"/> 13 <input type="checkbox"/> 5 <input type="checkbox"/> 14 <input type="checkbox"/> 6 <input type="checkbox"/> 15 <input type="checkbox"/> 7 <input type="checkbox"/> 16 <input type="checkbox"/> 8 <input type="checkbox"/> 17 <input type="checkbox"/> 9 <input type="checkbox"/> 18 <input type="checkbox"/>	GEO	Date establishment opened or is expected to open MONTH DAY YEAR APPROXIMATE EMPLOYMENT Was this establishment acquired from another company? <input type="checkbox"/> YES <input type="checkbox"/> NO DATE ACQUIRED MONTH DAY YEAR NAME AND ADDRESS OF FORMER OWNER OR OPERATOR
EMPLOYER IDENTIFICATION NUMBER NAME STORE OR PLANT NO. NUMBER AND STREET OF PHYSICAL LOCATION CITY STATE ZIP CODE Census use only CENSUS FILE NO. SC TO IND FORM TAB WT CCS OID	1 <input type="checkbox"/> 10 <input type="checkbox"/> 2 <input type="checkbox"/> 11 <input type="checkbox"/> 3 <input type="checkbox"/> 12 <input type="checkbox"/> 4 <input type="checkbox"/> 13 <input type="checkbox"/> 5 <input type="checkbox"/> 14 <input type="checkbox"/> 6 <input type="checkbox"/> 15 <input type="checkbox"/> 7 <input type="checkbox"/> 16 <input type="checkbox"/> 8 <input type="checkbox"/> 17 <input type="checkbox"/> 9 <input type="checkbox"/> 18 <input type="checkbox"/>	GEO	Date establishment opened or is expected to open MONTH DAY YEAR APPROXIMATE EMPLOYMENT Was this establishment acquired from another company? <input type="checkbox"/> YES <input type="checkbox"/> NO DATE ACQUIRED MONTH DAY YEAR NAME AND ADDRESS OF FORMER OWNER OR OPERATOR
EMPLOYER IDENTIFICATION NUMBER NAME STORE OR PLANT NO. NUMBER AND STREET OF PHYSICAL LOCATION CITY STATE ZIP CODE Census use only CENSUS FILE NO. SC TO IND FORM TAB WT CCS OID	1 <input type="checkbox"/> 10 <input type="checkbox"/> 2 <input type="checkbox"/> 11 <input type="checkbox"/> 3 <input type="checkbox"/> 12 <input type="checkbox"/> 4 <input type="checkbox"/> 13 <input type="checkbox"/> 5 <input type="checkbox"/> 14 <input type="checkbox"/> 6 <input type="checkbox"/> 15 <input type="checkbox"/> 7 <input type="checkbox"/> 16 <input type="checkbox"/> 8 <input type="checkbox"/> 17 <input type="checkbox"/> 9 <input type="checkbox"/> 18 <input type="checkbox"/>	GEO	Date establishment opened or is expected to open MONTH DAY YEAR APPROXIMATE EMPLOYMENT Was this establishment acquired from another company? <input type="checkbox"/> YES <input type="checkbox"/> NO DATE ACQUIRED MONTH DAY YEAR NAME AND ADDRESS OF FORMER OWNER OR OPERATOR

Continued on reverse side

Item 2 - LISTING OF ADDITIONAL ESTABLISHMENTS - Continued											
Employer Identification (EI) Number, establishment name, your store or plant number, if any, and address of physical location (including ZIP code) (a)					Principal activity Mark (X) one box from the above descriptions (b)		Description of products business, services, etc. List in order of importance (c)		Operating status (d)		
EMPLOYER IDENTIFICATION NUMBER					1	10			Date establishment opened or is expected to open		
NAME					2	11			MONTH	DAY	
STORE OR PLANT NO.					3	12			YEAR	APPROXIMATE EMPLOYMENT	
NUMBER AND STREET OF PHYSICAL LOCATION					4	13			Was this establishment acquired from another company?		
CITY					5	14			<input type="checkbox"/> YES <input type="checkbox"/> NO		
STATE					6	15			DATE ACQUIRED		
ZIP CODE					7	16			MONTH	DAY	
Census use only					8	17			YEAR		
CENSUS FILE NO.					9	18			NAME AND ADDRESS OF FORMER OWNER OR OPERATOR		
SC TO IND											
TAB WT CCS OID											
EMPLOYER IDENTIFICATION NUMBER					1	10			Date establishment opened or is expected to open		
NAME					2	11			MONTH	DAY	
STORE OR PLANT NO.					3	12			YEAR	APPROXIMATE EMPLOYMENT	
NUMBER AND STREET OF PHYSICAL LOCATION					4	13			Was this establishment acquired from another company?		
CITY					5	14			<input type="checkbox"/> YES <input type="checkbox"/> NO		
STATE					6	15			DATE ACQUIRED		
ZIP CODE					7	16			MONTH	DAY	
Census use only					8	17			YEAR		
CENSUS FILE NO.					9	18			NAME AND ADDRESS OF FORMER OWNER OR OPERATOR		
SC TO IND											
TAB WT CCS OID											
EMPLOYER IDENTIFICATION NUMBER					1	10			Date establishment opened or is expected to open		
NAME					2	11			MONTH	DAY	
STORE OR PLANT NO.					3	12			YEAR	APPROXIMATE EMPLOYMENT	
NUMBER AND STREET OF PHYSICAL LOCATION					4	13			Was this establishment acquired from another company?		
CITY					5	14			<input type="checkbox"/> YES <input type="checkbox"/> NO		
STATE					6	15			DATE ACQUIRED		
ZIP CODE					7	16			MONTH	DAY	
Census use only					8	17			YEAR		
CENSUS FILE NO.					9	18			NAME AND ADDRESS OF FORMER OWNER OR OPERATOR		
SC TO IND											
TAB WT CCS OID											
EMPLOYER IDENTIFICATION NUMBER					1	10			Date establishment opened or is expected to open		
NAME					2	11			MONTH	DAY	
STORE OR PLANT NO.					3	12			YEAR	APPROXIMATE EMPLOYMENT	
NUMBER AND STREET OF PHYSICAL LOCATION					4	13			Was this establishment acquired from another company?		
CITY					5	14			<input type="checkbox"/> YES <input type="checkbox"/> NO		
STATE					6	15			DATE ACQUIRED		
ZIP CODE					7	16			MONTH	DAY	
Census use only					8	17			YEAR		
CENSUS FILE NO.					9	18			NAME AND ADDRESS OF FORMER OWNER OR OPERATOR		
SC TO IND											
TAB WT CCS OID											
EMPLOYER IDENTIFICATION NUMBER					1	10			Date establishment opened or is expected to open		
NAME					2	11			MONTH	DAY	
STORE OR PLANT NO.					3	12			YEAR	APPROXIMATE EMPLOYMENT	
NUMBER AND STREET OF PHYSICAL LOCATION					4	13			Was this establishment acquired from another company?		
CITY					5	14			<input type="checkbox"/> YES <input type="checkbox"/> NO		
STATE					6	15			DATE ACQUIRED		
ZIP CODE					7	16			MONTH	DAY	
Census use only					8	17			YEAR		
CENSUS FILE NO.					9	18			NAME AND ADDRESS OF FORMER OWNER OR OPERATOR		
SC TO IND											
TAB WT CCS OID											
EMPLOYER IDENTIFICATION NUMBER					1	10			Date establishment opened or is expected to open		
NAME					2	11			MONTH	DAY	
STORE OR PLANT NO.					3	12			YEAR	APPROXIMATE EMPLOYMENT	
NUMBER AND STREET OF PHYSICAL LOCATION					4	13			Was this establishment acquired from another company?		
CITY					5	14			<input type="checkbox"/> YES <input type="checkbox"/> NO		
STATE					6	15			DATE ACQUIRED		
ZIP CODE					7	16			MONTH	DAY	
Census use only					8	17			YEAR		
CENSUS FILE NO.					9	18			NAME AND ADDRESS OF FORMER OWNER OR OPERATOR		
SC TO IND											
TAB WT CCS OID											
Item 3		Name of person to contact regarding this report				Address (if different from label address)				Telephone	
CERTIFICATION										Area code	Number
										Extension	
		This report (including attached continuation pages) is substantially accurate and has been prepared in accordance with instructions.									
		Signature of authorized person				Title				Date	

PENALTY FOR FAILURE TO REPORT
DUE DATE: FEBRUARY 15, 1978

O.M.B. No. 41-S77014; Approval Expires December 31, 1978

FORM NC-X3
(4-4-77)

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

1977 ECONOMIC CENSUSES GENERAL SCHEDULE

Please complete this
form and RETURN TO

BUREAU OF THE CENSUS
1201 East Tenth Street
Jeffersonville, Indiana 47132

NOTICE — Response to this inquiry is required by law (title 13, U.S. Code). By the same law, your report to the Census Bureau is confidential. It may be seen only by sworn Census employees and may be used only for statistical purposes. The law also provides that copies retained in your files are immune from legal process.

In correspondence pertaining to this report,
please refer to this Census File Number

NC-X3

Employer Identification
Number

KEEP THIS COPY FOR YOUR FILES

**PLEASE COMPLETE AND RETURN THE FORM WHICH
SHOWS YOUR NAME AND ADDRESS**

Please correct errors in name, address and ZIP code. ENTER street and number if not shown.

Important—Please read

The data reported on this form should cover only the establishment shown on the address label. However, if more than one establishment (location) was operated under the same Employer Identification Number in 1977, consolidate data for all such locations in items 5 and 6. In item 1 enter the location of the MAIN establishment. In item 12c provide information separately for each location, INCLUDING the main establishment.

Item 1 — PHYSICAL LOCATION OF ESTABLISHMENT — In order to assign this establishment to the correct geographic area, the Bureau of the Census must know the actual location which may differ from the mailing address. Complete items a through g.

a. Address number and street name of physical location — If not known, enter building name, shopping center name, or other physical location description. Do not enter P.O. box or rural route.

Mark (X) for a, b, c, and d if same as mailing label; if different show corrections.

Same as
mailing
label ☐ OR ▶

b. Name of city, town, village, borough, etc. of physical location

Same as
mailing
label ☐ OR ▶

c. State

Same as
mailing
label ☐ OR ▶

d. ZIP code

Same as
mailing
label ☐ OR ▶

e. Type of municipality
1 ☐ City 4 ☐ Borough 7 ☐ Other — Specify
2 ☐ Town 5 ☐ Township
3 ☐ Village 6 ☐ Unincorporated 8 ☐ Don't know

f. Is this establishment located inside the legal boundaries of the city, town, village, etc., indicated in 1b?

1 ☐ Yes
2 ☐ No
3 ☐ No legal boundaries
4 ☐ Don't know

NOTE — The area served by a post office generally does not coincide with the legal boundaries of the municipality from which the post office takes its name.

g. Name of county (Louisiana parish) of physical location

Item 2 — EMPLOYER IDENTIFICATION NUMBER

Is the Employer Identification (EI) Number printed in the upper right of the address box the SAME as that used for this establishment on its latest 1977 Employer's Quarterly Federal Tax Return, Treasury Form 941?

☐ YES

☐ NO — Enter current EI number → (9 digits)

Item 3 — OPERATIONAL STATUS

a. Mark (X) the ONE box which best describes this establishment at the end of 1977.

- 001 1 ☐ In operation
2 ☐ Temporarily or seasonally inactive
3 ☐ Ceased operation — Give date
4 ☐ Sold or leased to another operator — Give date AND name, etc.

Figures only
Month Day Year
[] [] []

Name of new owner or operator

Number and street

City

State

ZIP code

b. How many months during 1977 did your firm or organization actively operate this establishment?

Number of months
002 [] [] []

Item 4 — ORGANIZATIONAL STATUS

a. Mark (X) the ONE box which best describes this establishment during 1977.

- 003 1 ☐ Individual proprietorship
2 ☐ Partnership
3 ☐ Cooperative association
4 ☐ Governmental — Specify
5 ☐ Corporation (other than specified above)
6 ☐ Other — Specify

b. Was all or part of the income of this establishment or organization exempt from Federal income taxes under Section 501 or 521 of the Internal Revenue Code?

004 1 ☐ YES
2 ☐ NO

Important—Please read

Dollar figures should be reported as illustrated. Please be careful to enter the figures in the correct columns. See example below:

EXAMPLE: If figure is \$1,125,628.28

• PREFERRED method
Acceptable method

Mil- lions (000)	Thou- sands (00)	Dol- lars (000)
1	125	
1	125	628

Item 5 — DOLLAR VOLUME

a. Sales of merchandise and other operating receipts or total revenue in 1977 EXCLUDING sales (or other) taxes collected

010 [] [] []

b. Were sales (or other) taxes collected from customers and forwarded to taxing authorities?

011 1 ☐ YES
2 ☐ NO

If "YES," report the amount of such taxes
(DO NOT include taxes in 5a above)

012 [] [] []

c. TOTAL DOLLAR VOLUME including sales (or other) taxes (Sum of 5a and 5b above)

013 [] [] []

d. Expenses in 1977

040 [] [] []

Item 6 — PAYROLL AND EMPLOYMENT

a. Payroll

(1) Total ANNUAL payroll in 1977 before deductions

030 [] [] []

(2) Payroll for the FIRST QUARTER of 1977

031 [] [] []

b. Employment — Number of paid employees for the pay period including the 12th of the month (Include both full- and part-time employees)

032 MAR	033 MAY	034 AUG	035 NOV
[] [] []	[] [] []	[] [] []	[] [] []

Item 7 — SOURCE OF SALES, RECEIPTS, OR REVENUE — List below the principal lines of merchandise sold, kinds of construction work done, products produced, or services provided and indicate the approximate percentage each was of the total receipts or revenue in 1977.

Source	Percentage of receipts or revenue	Source	Percentage of receipts or revenue
	%		%
	%		%
	%		%
	%		%
	%		%

Make sure all items on this page have been completed and continue to NEXT PAGE

Item 8 – BUSINESS OR ACTIVITY – Mark (X) the ONE box which best describes the principal activity during the past year.		070	Census use only	
<div style="display: flex; justify-content: space-between;"><div><input type="checkbox"/> AGRICULTURAL PRODUCTION <input type="checkbox"/> MINERALS EXTRACTION OR ORE PROCESSING <input type="checkbox"/> MANUFACTURING <input type="checkbox"/> MOTOR CARRIER (ICC REGULATED) <input type="checkbox"/> MOTOR CARRIER (EXCEPT ICC REGULATED) CONSTRUCTION <input type="checkbox"/> Building construction – General contractor <input type="checkbox"/> Other construction – General contractor <input type="checkbox"/> Special trade contractor (electricians, carpenters, painters, etc.) <input type="checkbox"/> Land developer and subdivider <input type="checkbox"/> Real estate – Specify activity _____</div><div>WHOLESALE TRADE <input type="checkbox"/> Merchant wholesaler <input type="checkbox"/> Agent or broker <input type="checkbox"/> Other type of wholesaler – Specify _____ RETAIL TRADE <input type="checkbox"/> Selling at this establishment <input type="checkbox"/> Mail order (catalog selling) <input type="checkbox"/> House-to-house (direct selling) <input type="checkbox"/> Operating merchandise vending machines <input type="checkbox"/> Other type of retailer – Specify _____ <input type="checkbox"/> Other – Specify activity _____</div></div>				
Item 9 – If "Manufacturing" is marked in item 8, list the primary materials consumed in producing the manufactured products. <div style="border: 1px solid black; height: 40px; margin-top: 5px;"></div>				
Item 10 – CLASS OF CUSTOMER To whom do you sell most of your products or provide your services? <div style="display: flex; justify-content: space-between; margin-top: 5px;"><div><input type="checkbox"/> Retail or wholesale establishments <input type="checkbox"/> Construction contractors <input type="checkbox"/> General public (household consumers and individuals)</div><div><input type="checkbox"/> Institutional, industrial, commercial, professional, government, and farm users <input type="checkbox"/> Other – Specify _____</div></div>				
Item 11 – OWNERSHIP OR CONTROL <div style="display: flex; align-items: flex-start; margin-top: 5px;"><div style="flex: 1;"><p>a. Is this company owned or controlled by another company? 1 <input type="checkbox"/> YES → 2 <input type="checkbox"/> NO</p><p>b. Does this company own or control any other company or companies? 1 <input type="checkbox"/> YES → 2 <input type="checkbox"/> NO</p></div><div style="flex: 2; border: 1px solid black; padding: 5px;"><p>Enter the company name and address (street name and number, city, State, ZIP code) and EI Number. If more space is needed to list companies, attach a separate sheet.</p><p>Owning or controlling company _____</p><p style="text-align: right;">EI No. (9 digits) </p><p>Owned or controlled company _____</p><p style="text-align: right;">EI No. (9 digits) </p></div></div>				
Item 12 – LOCATIONS OF OPERATION <div style="display: flex; justify-content: space-between; margin-top: 5px;"><div><p>a. Were the operations under the EI Number shown in the mailing label (or as corrected in item 2) conducted at more than one location during 1977? (Including all selling or service locations and any other facilities such as warehouses, administrative offices, etc.)</p><p>1 <input type="checkbox"/> YES – Answer (b) and (c) 2 <input type="checkbox"/> NO – SKIP to Item 13</p></div><div style="border: 1px solid black; padding: 5px; width: 150px; text-align: center;">Number of locations <div style="border-bottom: 1px solid black; height: 20px; width: 100%;"></div></div></div> <p>b. At how many separate locations were these operations conducted during 1977?</p> <div style="border: 1px solid black; padding: 5px; width: 150px; text-align: center;">Number of locations <div style="border-bottom: 1px solid black; height: 20px; width: 100%;"></div></div> <p>c. List each location – including main location. If more space is needed, attach a separate sheet providing the same information required below.</p>				
Census use only	Physical location of each operation <small>Name, address and ZIP code (a)</small>	1977 sales and receipts and annual and 1st quarter payrolls <small>Totals should equal Items 5a and 6a(1) and (2) (b)</small>	Number of paid employees for the pay period including the 12th of each month <small>Totals should equal corresponding entries in Item 6b (c)</small>	Primary kind of business or activity of each location <small>Describe (d)</small>
080	Name _____ Number and street of physical location _____ City _____ State _____ ZIP code _____	Sales and receipts 081 Mil. 082 Thou. 083 Dol. Total annual payroll _____ 1st quarter payroll _____	084 MAR 085 MAY 086 AUG 087 NOV	088 Census use only
080	Name _____ Number and street of physical location _____ City _____ State _____ ZIP code _____	Sales and receipts 081 Mil. 082 Thou. 083 Dol. Total annual payroll _____ 1st quarter payroll _____	084 MAR 085 MAY 086 AUG 087 NOV	088 Census use only
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080	Name _____ Number and street of physical location _____ City _____ State _____ ZIP code _____	Sales and receipts 081 Mil. 082 Thou. 083 Dol. Total annual payroll _____ 1st quarter payroll _____	084 MAR 085 MAY 086 AUG 087 NOV	088 Census use only
TOTALS (Sum of entries should equal corresponding entries in items 5a and 6 on page 1)		Sales and receipts Total annual payroll _____ 1st quarter payroll _____	MAR MAY AUG NOV	
Item 13 – CERTIFICATION				
Name of person to contact regarding this report _____		Telephone _____ <div style="display: flex; justify-content: space-between;"><div>Area code _____</div><div>Number _____</div><div>Extension _____</div></div>		
Address – Number and street _____		This report is substantially accurate and has been prepared in accordance with instructions.		
City _____ State _____ ZIP code _____		Period covered → From: Mo. | Day | Year To: Mo. | Day | Year		
		Signature of authorized person _____		
		Title _____ Date _____		

Form Approved: O.M.B. No. 41-S77017

Please continue on page 2

Item 9 - BILLINGS TO RETAIL STORES OF THIS COMPANY a. Did this establishment have billings to retail stores of this company during 1977?			090 1 <input type="checkbox"/> YES - Go to b 2 <input type="checkbox"/> NO - SKIP to item 10			Item 13 - DEPRECIATION CHARGES a. Did this establishment maintain depreciation accounts during 1977?			130 1 <input type="checkbox"/> YES - Go to b 2 <input type="checkbox"/> NO - SKIP to item 14		
b. Total billings by this establishment in 1977 to retail stores of this company.			Mil. Thou. Dol. 091			b. TOTAL depreciation charges against assets during 1977			Mil. Thou. Dol. 131		
EXAMPLE FOR REPORTING PERCENTS If figure is 38.76% of total sales: • Report whole percents → 39% Not acceptable → 38.76%			Whole percent 39% 38.76%			Item 14 - SELECTED OPERATING EXPENSES			140		
Item 10 - SALES TO CUSTOMERS OUTSIDE THIS COMPANY a. Did this establishment have sales to customers outside this company during 1977?			100 1 <input type="checkbox"/> YES - Go to b 2 <input type="checkbox"/> NO - SKIP to item 11			(1) Cost of purchased electricity			141		
b. (1) Sales and other operating receipts (exclude sales or other taxes collected)			Mil. Thou. Dol. 101			(2) Cost of fuels consumed			142		
(2) Were sales (or other) taxes collected from customers and forwarded to taxing authorities?			102 1 YES 2 NO			(3) Cost of purchased communication services			143		
If "YES," report amount of taxes (DO NOT include in 10b(1))			Mil. Thou. Dol. 103			(4) Cost of purchased repair services for buildings and structures			144		
(3) TOTAL sales and other operating receipts (including sales or other taxes collected) (Sum of lines (1) and (2))			104			(5) Cost of purchased repair services for machinery and equipment			150		
c. Of the value of sales and other operating receipts reported in item 10b(1), report the approximate percentage of these receipts to -			Whole percent 105			Item 15 - RENTAL PAYMENTS (EXCLUDE LAND) a. Did this establishment make rental payments during 1977?			150 1 <input type="checkbox"/> YES - Go to b 2 <input type="checkbox"/> NO - SKIP to item 16		
(1) General public (households, consumers and individuals)			106			b. Rental payments made for this establishment			Mil. Thou. Dol. 151		
(2) Other, include retailers; wholesalers; institutional, industrial, commercial, professional, and farm users (for use in farm production); and government			106			(1) For use of buildings and structures			152		
d. List the principal products sold or services rendered by this establishment to customers outside this company, and their approximate percent of 1977 sales and receipts as reported in item 10b(1) above.			Principal products sold or services rendered Percent of sales and receipts in 1977			(2) For use of machinery and equipment			153		
(1)			%			(3) TOTAL rental payments (Sum of lines (1) and (2))			160		
(2)			%			Item 16 - COST OF RESEARCH AND DEVELOPMENT a. Did this establishment perform research and development during 1977?			160 1 <input type="checkbox"/> YES - Go to b 2 <input type="checkbox"/> NO - SKIP to item 17		
Item 11 - CAPITAL EXPENDITURES (EXCLUDE LAND AND MINERAL RIGHTS) a. Did this establishment make capital expenditures during 1977?			110 1 YES - Go to b 2 NO - SKIP to item 12			b. Type of research and development performed			Mil. Thou. Dol. 161		
b. Type of capital expenditures			Mil. Thou. Dol. 111			(1) Federal contracts and subcontracts			162		
(1) New structures and additions to plant			112			(2) With own funds and nonfederal sources			163		
(2) New automobiles, trucks, trailers, etc., for highway use			113			(3) TOTAL cost of research and development (Sum of lines (1) and (2))			170		
(3) New computers and peripheral data processing equipment			114			Item 17 - INVENTORIES AND METHOD OF VALUATION a. Did this establishment have inventories during 1977?			170 1 <input type="checkbox"/> YES - Go to b 2 <input type="checkbox"/> NO - SKIP to item 18		
(4) All other expenditures for new machinery and equipment			115			b. Value of inventories of this establishment			Mil. Thou. Dol. 171		
(5) Used plant and used equipment acquired from others			116			(1) End of 1976			172		
(6) TOTAL capital expenditures (Sum of lines (1) through (5))			120			(2) End of 1977			180		
Item 12 - GROSS VALUE OF DEPRECIABLE ASSETS (EXCLUDE LAND) a. Did this establishment maintain depreciable assets during 1977?			120 1 <input type="checkbox"/> YES - Go to b 2 <input type="checkbox"/> NO - SKIP to item 13			c. If the dollar value of inventories at the end of 1977 exceeds \$25,000, report the method of valuation below -			Inventories end of 1977 Whole percent 180		
b. Gross value of depreciable assets, end of 1976			Mil. Thou. Dol. 121			(1) Cost			181		
(1) Buildings and structures			122			(a) First-in, First-out (FIFO)			182		
(2) Machinery and equipment			123			(b) Last-in, First-out (LIFO)			183		

PENALTY FOR FAILURE TO REPORT

DUE DATE: FEBRUARY 15, 1978

Form Approved: O.M.B. No. 41-S77009

FORM NC-K1
(8-28-77)U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS1977 ECONOMIC CENSUSES
ENTERPRISE REPORT

NOTICE — Response to this inquiry is required by law (title 13, U.S. Code). By the same law, your report to the Census Bureau is confidential. It may be seen only by sworn Census employees and may be used only for statistical purposes. The law also provides that copies retained in your files are immune from legal process.

In correspondence pertaining to this report please refer to this Census File Number:

NC-K1 (9991)

Please correct errors in name, address and ZIP code. ENTER street and number if not shown.

Please complete this form and RETURN TO

BUREAU OF THE CENSUS
1201 East Tenth Street
Jeffersonville, Indiana 47132

If filing by due date causes a burden, a request for an extension of time should be sent to the above address.

CENSUS
USE
ONLY

Unit No.	Item code	Unit No.	Item code	Unit No.	Item code

Important — Please read instructions before completing report

Report the following items on a consolidated basis for the domestic activities of your enterprise. An enterprise is a business organization (i.e., company, service organization, membership organization, association, etc.) consisting of one or more establishments under common ownership or control. Furthermore, if an enterprise owns or controls other entities, all establishments of its subsidiaries are to be included as part of the owning or controlling enterprise. For purposes of this report, "domestic" activities include all 50 States and the

District of Columbia. Do not include foreign activities, if any, except for reporting foreign assets in item 9. Consolidate all domestic activities, whether or not covered in the 1977 Economic Censuses by individual report forms.

If book records are not available, enter your best estimate. **Before completing these items, please read the detailed instructions.**

Item 1 — CERTIFICATION

Name of person to contact regarding this report		Telephone		This report is substantially accurate and has been prepared in accordance with instructions.						
		Area code	Number	Extension						
Address — Number and street					Period covered →	From: Mo. Day Year	To: Mo. Day Year			
					Signature of authorized person					
City	State	ZIP code	Title		Date					

Important — Please read

Dollar figures should be reported as illustrated. Please be careful to enter your figures in the correct columns. See example below:

EXAMPLE: If figure is \$1,125,628.28 →

• PREFERRED method

Acceptable method

Mil.	Thou.	Dol.
000	000	000
1	125	
1	125	628

Item 2 — TOTAL EMPLOYMENT

Number of paid employees for the pay period including March 12, 1977

Number of employees
020

Item 3 — TOTAL PAYROLL

a. Payroll for the FIRST QUARTER of 1977, before deductions

b. TOTAL ANNUAL payroll in 1977, before deductions

Mil.	Thou.	Dol.
000	000	000
030		
031		
040		

Item 4 — EMPLOYER COSTS FOR FRINGE BENEFITS

a. Required by law

b. Other fringe benefits

c. Total fringe benefits (Sum of lines a and b)

040		
041		
042		

Item 5 — SALES AND RECEIPTS

a. Sales and other operating receipts (exclude sales or other taxes collected)

b. Were sales (or other) taxes collected from customers and forwarded to taxing authorities?

If "Yes," report amount of taxes. Do not include in 5a.

c. TOTAL sales and other operating receipts (including sales or other taxes collected) (Sum of lines a and b)

050		
051		
1 <input type="checkbox"/> YES		
2 <input type="checkbox"/> NO		
Mil.	Thou.	Dol.
052		
053		

PLEASE CONTINUE ON REVERSE SIDE

Item 6 – CAPITAL EXPENDITURES (Exclude land and mineral rights)	Millions	Thou- sands	Dollars	Item 10 – INVENTORIES AND METHOD OF VALUATION	Millions	Thou- sands	Dollars																																																			
	000	000	000		000	000	000																																																			
a. New structures and additions to plant	060			a. All inventories, as of end of 1976	100																																																					
b. New automobiles, trucks, trailers, etc., for highway use	061			b. All inventories, as of end of 1977	101																																																					
c. New computers and peripheral data processing equipment	062			c. METHOD OF INVENTORY VALUATION																																																						
d. All other expenditures for new machinery and equipment	063			<div style="display: flex; justify-content: space-between;"> <div> EXAMPLE FOR REPORTING PERCENTS If figure is 38.76% of total receipts: Report whole percents → 39% Not acceptable → 38.76% </div> <div>Percent</div> </div>																																																						
e. Used plant and used equipment acquired from others	064			<div style="display: flex; justify-content: space-between;"> <div>Method of inventory</div> <div>Whole percents</div> </div>																																																						
f. Capitalized development and exploration of mineral properties	065																																																									
g. Total capital expenditures (Sum of lines a through f)	066			<div style="display: flex; justify-content: space-between;"> <div></div> <div>End of 1977</div> <div>End of 1976</div> </div>																																																						
Item 7 – GROSS VALUE OF DEPRECIABLE ASSETS	070			<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td rowspan="6" style="width:10%; text-align: center;">(1) Cost</td> <td style="width:60%;">(a) First-in, First-out (FIFO)</td> <td style="width:10%; text-align: center;">102</td> <td style="width:10%; text-align: center;">114</td> </tr> <tr> <td>(b) Last-in, First-out (LIFO)</td> <td style="text-align: center;">103</td> <td style="text-align: center;">115</td> </tr> <tr> <td>(c) Average cost</td> <td style="text-align: center;">104</td> <td style="text-align: center;">116</td> </tr> <tr> <td>(d) Specific or actual cost</td> <td style="text-align: center;">105</td> <td style="text-align: center;">117</td> </tr> <tr> <td>(e) Standard cost</td> <td style="text-align: center;">106</td> <td style="text-align: center;">118</td> </tr> <tr> <td>(f) Other – Specify</td> <td style="text-align: center;">107</td> <td style="text-align: center;">119</td> </tr> <tr> <td rowspan="2" style="text-align: center;">(2) Market</td> <td>(a) Market used because lower than cost</td> <td style="text-align: center;">108</td> <td style="text-align: center;">120</td> </tr> <tr> <td>(b) Market always used</td> <td style="text-align: center;">109</td> <td style="text-align: center;">121</td> </tr> <tr> <td rowspan="3" style="text-align: center;">(3) Retail method</td> <td>(a) Approximating lower of cost or market</td> <td style="text-align: center;">110</td> <td style="text-align: center;">122</td> </tr> <tr> <td>(b) Approximating cost</td> <td style="text-align: center;">111</td> <td style="text-align: center;">123</td> </tr> <tr> <td>(c) LIFO retail</td> <td style="text-align: center;">112</td> <td style="text-align: center;">124</td> </tr> <tr> <td colspan="2" style="text-align: center;">(4) Other – Specify</td> <td style="text-align: center;">113</td> <td style="text-align: center;">125</td> </tr> <tr> <td colspan="2" style="text-align: center;">(5) TOTAL</td> <td style="text-align: center;">100%</td> <td style="text-align: center;">100%</td> </tr> </table>			(1) Cost	(a) First-in, First-out (FIFO)	102	114	(b) Last-in, First-out (LIFO)	103	115	(c) Average cost	104	116	(d) Specific or actual cost	105	117	(e) Standard cost	106	118	(f) Other – Specify	107	119	(2) Market	(a) Market used because lower than cost	108	120	(b) Market always used	109	121	(3) Retail method	(a) Approximating lower of cost or market	110	122	(b) Approximating cost	111	123	(c) LIFO retail	112	124	(4) Other – Specify		113	125	(5) TOTAL		100%	100%								
(1) Cost	(a) First-in, First-out (FIFO)	102	114																																																							
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(5) TOTAL		100%	100%																																																							
a. Gross depreciable assets, end of 1976	071																																																									
(1) For machinery and equipment	072																																																									
(2) For buildings and structures	073																																																									
(3) Total (Sum of lines (1) and (2))	074																																																									
b. Total capital expenditures during 1977 (should equal line 6g)	075																																																									
c. Other acquisitions by your company during 1977	076																																																									
d. Deductions from depreciable assets during 1977	077																																																									
e. Gross depreciable assets, end of 1977	078																																																									
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(2) For buildings and structures	080																																																									
(3) Total (Sum of lines (1) and (2))	081																																																									
Item 8 – CHANGES IN DEPRECIATION RESERVES	082			Item 11 – SELECTED OPERATING EXPENSES <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:45%;">a. Did this enterprise make royalty payments for the use of intangible property rights during 1977?</th> <th style="width:10%;">126</th> <th style="width:10%;">Thou- sands</th> <th style="width:10%;">Dollars</th> </tr> <tr> <td>1 <input type="checkbox"/> YES – Report value of payments →</td> <td>127</td> <td></td> <td></td> </tr> <tr> <td>2 <input type="checkbox"/> NO – GO to b</td> <td></td> <td></td> <td></td> </tr> <tr> <td>b. Did this enterprise purchase advertising services during 1977?</td> <td>128</td> <td></td> <td></td> </tr> <tr> <td>1 <input type="checkbox"/> YES – Report cost of purchased services →</td> <td>129</td> <td></td> <td></td> </tr> <tr> <td>2 <input type="checkbox"/> NO – GO to c</td> <td></td> <td></td> <td></td> </tr> <tr> <td>c. Did this enterprise make rental payments during 1977?</td> <td>130</td> <td></td> <td></td> </tr> <tr> <td>1 <input type="checkbox"/> YES – GO to d</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2 <input type="checkbox"/> NO – SKIP to item 12</td> <td></td> <td></td> <td></td> </tr> <tr> <td>d. Rental payments, excluding land</td> <td>131</td> <td></td> <td></td> </tr> <tr> <td>(1) For use of buildings and structures</td> <td>132</td> <td></td> <td></td> </tr> <tr> <td>(2) For machinery and equipment</td> <td>133</td> <td></td> <td></td> </tr> <tr> <td>(3) Total rental payments (Sum of lines (1) and (2))</td> <td></td> <td></td> <td></td> </tr> </table>			a. Did this enterprise make royalty payments for the use of intangible property rights during 1977?	126	Thou- sands	Dollars	1 <input type="checkbox"/> YES – Report value of payments →	127			2 <input type="checkbox"/> NO – GO to b				b. Did this enterprise purchase advertising services during 1977?	128			1 <input type="checkbox"/> YES – Report cost of purchased services →	129			2 <input type="checkbox"/> NO – GO to c				c. Did this enterprise make rental payments during 1977?	130			1 <input type="checkbox"/> YES – GO to d				2 <input type="checkbox"/> NO – SKIP to item 12				d. Rental payments, excluding land	131			(1) For use of buildings and structures	132			(2) For machinery and equipment	133			(3) Total rental payments (Sum of lines (1) and (2))			
a. Did this enterprise make royalty payments for the use of intangible property rights during 1977?	126	Thou- sands	Dollars																																																							
1 <input type="checkbox"/> YES – Report value of payments →	127																																																									
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a. Accumulated depreciation as of end of 1976	083																																																									
b. Depreciation charged against assets during 1977	084																																																									
c. Additions charged to other accounts during 1977	085																																																									
d. Deductions from reserves for retirements, renewals, and replacements during 1977	086																																																									
e. Accumulated depreciation as of end of 1977 (Sum of lines a through c minus line d)	087																																																									
Item 9 – TOTAL ASSETS, AS OF END OF 1977	090			Item 12 – CONSISTENCY CHECK <div style="display: flex; justify-content: space-between;"> <div> Is the gross value of depreciable assets at the end of the year minus total capital expenditures during the year within 5% of the gross value of depreciable assets at the beginning of the year? </div> <div> 140 1 <input type="checkbox"/> YES 2 <input type="checkbox"/> NO – Explain in Remarks </div> </div>																																																						
a. Net value of depreciable assets (should equal line 7e(3) minus line 8e)	091																																																									
b. All other domestic assets, including inventories	092																																																									
c. Net foreign assets	093																																																									
d. Total assets, as of end of 1977 (Sum of lines a through c)																																																										

REMARKS – Please use this space for any explanation that may be essential in understanding your reported data.

PENALTY FOR FAILURE TO REPORT

DUE DATE: FEBRUARY 15, 1978

Form Approved: O.M.B. No. 41-577035

FORM MC-36B (Rev.)

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

1977 CENSUS OF MANUFACTURES

SWITCHGEAR AND SWITCHBOARD APPARATUS
AND INDUSTRIAL CONTROLSPlease complete this
form and RETURN TOBUREAU OF THE CENSUS
1201 East Tenth Street
Jeffersonville, Indiana 47132

Please read ...

A separate census report must be filed for each manufacturing establishment which your company operated in 1977. A manufacturing establishment is defined as a single physical location where products are manufactured, processed, or assembled.

Please read the instructions for each item before completing it. If book figures are not available, carefully prepared estimates are acceptable.

If filing by due date causes an undue burden, a time extension request should be sent to the above address. Please enter your 11-digit Census File Number on each page of this report and on any correspondence with us regarding this report.

NOTICE — Response to this inquiry is required by law (Title 13, U.S. Code). By the same law, your report to the Census Bureau is confidential. It may be seen only by sworn Census employees and may be used only for statistical purposes. The law also provides that copies retained in your files are immune from legal process.

In correspondence pertaining to this report,
please refer to this Census File Number

Employer Identification
Number

Please correct errors in name, address and ZIP code. ENTER street and number if not shown.

110 1 2 3 4 5 6 7 8 111 1 2 3 4 5 6 7 8

ITEM 1A

Physical
location of
establishment

In order to assign this establishment to the correct geographic area, the Bureau of the Census must know the actual location which may differ from the mailing address. Complete items a through g.

a. Address number and street name of physical location — if not known, enter building name, shopping center name, or other physical location description. Do not enter P.O. box or rural route.

Mark (X) for a, b, c, and d if same as mailing label; if different enter corrections.

Same as
mailing
label OR ▶

b. Name of city, town, village, borough, etc. of physical location

Same as
mailing
label OR ▶

c. State

Same as
mailing
label OR ▶

d. ZIP code

Same as
mailing
label OR ▶

e. Type of
municipality
indicated in 1Aa

1 ☐ City

2 ☐ Town

3 ☐ Village

4 ☐ Borough

5 ☐ Township

6 ☐ Unincorporated

7 ☐ Other — Specify

8 ☐ Don't know

f. Is this establishment located inside the legal boundaries of the city, town, village, etc., indicated in 1Aa?

1 ☐ Yes

2 ☐ No

NOTE — The area served by a post office generally does not coincide with the legal boundaries of the municipality from which it takes its name.

3 ☐ No legal boundaries

4 ☐ Don't know

g. Name of county (Louisiana parish) of physical location

ITEM 1B

Employer
identification
number(s)

Is the Employer Identification (EI) Number printed in the upper right of the address box the SAME as that used for this establishment on its latest 1977 Employer's Quarterly Federal Tax Return, Treasury Form 941?

☐ YES

☐ NO

— Enter current
EI number —

ITEM 1C

Organizational
status

Mark (X) the ONE box which best describes this establishment during 1977

109 ☐ Individual proprietorship

2 ☐ Partnership

3 ☐ Corporation (Do not mark if any form of cooperative association)

4 ☐ Cooperative association, corporate or non-corporate

5 ☐ Other — Specify

Important—Please read

Dollars, hours worked, and kilowatt-hour figures should be reported in thousands. If you wish, you may report to the nearest unit. Please be careful to enter your figures in the correct columns.

EXAMPLE: If figure is \$1,125,628.28

• PREFERRED method

Acceptable method

Millions	Thou-	Dol-
000	000	000
1	125	628

REFER TO SPECIAL INSTRUCTIONS ON REVERSE SIDE FOR ITEMS 2-8

• Complete each item and enter "0" when appropriate. Key Number

ITEM 2 Number of employees	Number of production workers during pay period including the 12th of month	a. March	301	
		b. May	302	
		c. August	303	
		d. November	304	
		e. Sum of lines a-d		305
	f. Average number (divide line e by 4, omit fractions)		306	
	g. All other employees (pay period including March 12th)		307	
	h. TOTAL EMPLOYMENT (Sum of lines f and g, item 2)		308	

ITEM 5

Cost of
materials,
resales,
fuels,
electricity,
and contract
work

a. Cost of materials, parts, supplies, containers, etc., which were put into production, used as operating supplies, or used in repair and maintenance	Key	Mil.	Thou.	Dol.
	321	\$		
b. Cost of products bought and sold without further manufacture or assembly (Resales)	322			
c. Cost of fuels consumed during the year for heat and power	323			
d. Cost of purchased electricity	324			
e. Cost of contract work done for you by others on your materials	325			
f. TOTAL COST (item 5)	326	\$		

ITEM 6 — Not applicable to this form

ITEM 7

Inventories
of this
establishment

	Key	END OF 1976				Key	END OF 1977			
		Mil.	Thou.	Dol.			Mil.	Thou.	Dol.	
a. Finished products	331	\$				335	\$			
b. Work-in-process	332					336				
c. Materials, supplies, fuels, etc.	333					337				
d. TOTAL INVENTORIES (item 7)	334	\$				338	\$			

ITEM 8

Capital
expenditures
during year

a. New structures and new additions to this plant (Exclude land)	Key	Mil.	Thou.	Dol.
	342	\$		
b. New machinery and equipment including replacements and capitalized repairs	343			
c. Used buildings and equipment	347			
d. TOTAL CAPITAL EXPENDITURES (item 8)	350	\$		

ITEMS 9-15 — Not applicable to this form

CENSUS USE

CONTINUE ON PAGE 2 →

Form MC-36B (Rev.)

Page 2

ITEM 16A		a. Mark (X) ONE box — Be sure to indicate the date of any change		Enter, figures only		
				Mo.	Day	Year
Operational status	112	1 <input type="checkbox"/> No change in operator or operations				
		2 <input type="checkbox"/> Reorganized — Complete report for full year and describe type of change in remarks				
		3 <input type="checkbox"/> Started new business (newly constructed or completely equipped when started)				
		4 <input type="checkbox"/> Establishment closed (no new owner or operator), dismantled, abandoned, or destroyed				
		5 <input type="checkbox"/> Establishment idle or inactive but still owned				
		6 <input type="checkbox"/> Establishment was acquired or leased from another company				
	Mark (X) ONE box and give name and address if —		Name of former operator		Enter current EI number (9 digits)	
<input type="checkbox"/> Building only acquired						
<input type="checkbox"/> Complete plant acquired (building, machinery, and equipment)		Number and street, city, State, ZIP code				
7 <input type="checkbox"/> Establishment was sold or leased to another company		Name of new operator		Enter current EI number (9 digits)		
Mark (X) ONE box and give name and address if —						
<input type="checkbox"/> Building only sold						
<input type="checkbox"/> Complete plant sold (building, machinery, and equipment)		Number and street, city, State, ZIP code				
b. Is the FIRST DIGIT of your Census File Number (imprinted in the address box) a Zero "0"? <input type="checkbox"/> YES — Complete Item 16B, a through d <input type="checkbox"/> NO — SKIP to Item 16C						
ITEM 16B						
Ownership and control	113	a. Is this company owned or controlled by another company? 1 <input type="checkbox"/> YES 2 <input type="checkbox"/> NO		603 Name and address of owning or controlling company		Enter current EI number (9 digits)
	114	b. Does this company own or control any other company or companies? 1 <input type="checkbox"/> YES 2 <input type="checkbox"/> NO		604 Name and address of owned or controlled company		Enter current EI number (9 digits)
	c. Did this company have any manufacturing plants under construction but not in operation at the end of the year? 1 <input type="checkbox"/> YES 2 <input type="checkbox"/> NO					
	d. Did this company operate at more than one location during the survey year? If more space is needed, attach separate sheet. 1 <input type="checkbox"/> YES — List additional locations below 2 <input type="checkbox"/> NO — SKIP to Item 16C					
	Physical address of business location (Number and street, city, State, ZIP code)		Employer Identification Number	Kind of business at this location	Sales and receipts	Annual payroll	Number of employees
(1)	(2)	(3)	(4)	(5)	(6)	Are these figures included on the front of this report? (7)
605	606 (9 digits)	607	608 Mil. Thou. Dol.	609 Mil. Thou. Dol.	610	<input type="checkbox"/> YES <input type="checkbox"/> NO
605	606 (9 digits)	607	608	609	610	<input type="checkbox"/> YES <input type="checkbox"/> NO
ITEM 16C						
CHECKS to assure a complete and accurate report						
The Bureau of the Census reviews this report for omissions, inconsistencies, and unusual ratios. To save you future correspondence about these problems, please make the following checks before returning this report.						
<div style="display: flex; justify-content: space-between;"> <div> <p>Review the report carefully to see that no items are omitted for the year being covered.</p> <p>Calculate and enter figures for the four "reasonableness" checks below, and review the results.</p> <p>Correct your report for any errors you find and explain unusual figures in remarks.</p> </div> <div> <p>For most manufacturing establishments, the figures computed usually fall within the ranges indicated.</p> </div> </div>						
"Reasonableness" checks		Calculation required for each check		Figures for survey year		Usual range
a. Average hourly wages per production worker	Item 3Aa (Production workers' wages) ÷ item 4e (Total hours worked)			\$ / hr.		\$2 — \$10
b. Hours worked per year per production worker	Item 4e (Total hours worked) ÷ item 2f (Average number of production workers)			hrs. / yr.		1000 — 3000
c. Salaries and wages per dollar of shipments	Item 3Ac (Total payroll) ÷ item 18 (Total value of shipments)			¢		05¢ — 95¢
d. Materials cost per dollar of shipments	Item 5f (Total materials cost) ÷ item 18 (Total value of shipments)			¢		05¢ — 95¢
e. Is the total for Value of Shipments (item 18) greater than the sum for payroll (item 3Ac) plus total Cost of Materials, etc. (item 5f)? <input type="checkbox"/> YES <input type="checkbox"/> NO — Explain in remarks						
Remarks — Please use this space for any explanations that may be essential in understanding your reported data.						

SPECIAL INSTRUCTIONS FOR ITEMS 2-8

- ▶ **Item 2 — Number of employees** — Report all employees at this establishment who received pay for part of the pay period including the 12th of the specified months. Include officers at this establishment, if a corporation; if an unincorporated concern exclude proprietor or partners.
- ▶ **Items 2a-2d — Number of production workers** — Report workers (up through the working foreman level) engaged in fabricating, processing, assembling, inspecting, and other manufacturing.
- ▶ **Item 2g — All other employees** — Report nonproduction personnel, including those engaged in supervision (above the working foreman level), installation and servicing of own product, sales, delivery, professional, technical, administrative, etc.
- ▶ **Item 3a — Annual payrolls** — Report gross earnings prior to deductions paid in the calendar year to those employees reported in item 2. Include commissions, dismissal pay, bonuses, and vacation pay.
- ▶ **Item 4 — Plant hours worked by production workers by quarter** — Include all production hours worked, including overtime hours, but excluding paid vacations, etc. These should be reported as actual hours worked, not straight-time equivalent hours.
- ▶ **Item 5 — Cost of materials, etc.** — Report total delivered cost after discounts and including freight of the materials actually consumed or put in production during the year. Include purchases, interplant transfers, and withdrawal from inventories.
If there are no records of consumption, purchases may be reported instead for minor items. This can also be done for major items if purchases do not differ significantly from the amounts actually used. Where consumption of major items differs significantly from purchases, consumption may be estimated by adding beginning inventories to the amount purchased and subtracting ending inventories.
- ▶ **Item 5a — Cost of materials, parts, supplies, containers, etc., consumed** — The delivered cost figures should cover all raw materials, containers, scrap, supplies, etc., which were: (1) put into production, (2) used as operating supplies, (3) used in repair and maintenance. Item 5a should be consistent with the data in item 17B.
- ▶ **Item 5b — Cost of products bought and sold** — Report the cost of all products bought and sold in the same condition as when purchased, and not made part of another product manufactured by this establishment. (Total sales value of all products sold is to be reported in item 18 on the line for resales.)
- ▶ **Item 5c — Cost of fuels consumed** — Report the total cost of all fuels consumed for heat, power, transportation, or the generation of electricity. Do not include the estimated cost of fuels, such as sawdust or blast furnace gas, produced as a by-product of your manufacturing activities. Include anthracite and bituminous coal, coke, natural and manufactured gas, fuel oil, liquefied petroleum gas, gasoline, and all other fuels including purchased steam.
- ▶ **Item 5d — Cost of purchased electricity** — Report the total cost of electric energy purchased from other companies or received from other establishments of your company. Exclude the value of electricity generated and used at this establishment.
- ▶ **Item 5e — Cost of contract work done for you by others on your materials** — If any contract work was done by others on materials furnished by your establishment, report the total payments made during the year for such work, including freight out and in. Exclude the cost of materials worked on, which should be included in item 5a.
- ▶ **Item 8 — Capital expenditures during year (Exclude expenditures for land)** — Include all costs actually incurred during 1977 chargeable to the fixed assets accounts and of the type for which depreciation or amortization accounts are ordinarily maintained. This should include construction and repair work performed by your own forces.

CONTINUE ON PAGE 3 →

FORM MC-36B (Rev.) U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS		PLEASE ENTER THIS ESTABLISHMENT'S 11-DIGIT CENSUS FILE NUMBER	
1977 CENSUS OF MANUFACTURES SWITCHGEAR AND SWITCHBOARD APPARATUS AND INDUSTRIAL CONTROLS - Continued		Name of establishment (Same as address box)	

Item 17A WATER USE DURING 1977
348

1. What was the total quantity of water intake for this establishment for use in the production process and auxiliary operations (such as cooling and condensing, sanitary services, and boiler feed) during the calendar year 1977?

Mark (X) one box only

1 ☐ Under 1 million gallons
 2 ☐ 1-9 million gallons

3 ☐ 10-19 million gallons
 4 ☐ 20-49 million gallons

5 ☐ 50-99 million gallons
 6 ☐ 100 million gallons or over

2. Did you recirculate any water during the calendar year 1977? 349

1 ☐ YES

2 ☐ NO

Item 17B CONSUMPTION OF SELECTED MATERIALS DURING 1977

Instructions - Please read

1. GENERAL - The materials, parts, and supplies listed below are those commonly consumed in the manufacture, processing, or assembly of the products listed in item 16. Please review the entire list and report separately for each item consumed. The materials, parts, and supplies consumed at this establishment which are not prelisted should be described and reported in the "All other materials, etc." line at the end of this section. If your consumption of a listed material is valued at less than \$10,000 enter an (X) in column (E) and include the value with "All other materials, etc." Census material code 970099 8.

If your book records do not contain information as requested, reasonable estimates are acceptable.

2. VALUATION OF MATERIALS CONSUMED - The value of the materials, etc., consumed should be based on the delivered cost, i.e., the amount paid or payable after discounts and including freight and other direct charges incurred in acquiring the materials. This includes purchases, transfers from other establishments of your company, and withdrawals from inventories.

Materials transferred to you from other plants within your company should be assigned their full economic value, as assigned by the shipping plant, plus cost of freight and handling charges.

3. CONTRACT WORK - Materials purchased for use by others making products for you on a contract basis should be included. Amounts paid to other companies for such contract work should be reported in item 5e, and should include freight in and out. Materials owned by others but used at this establishment in making products for others under contract or on commission should be excluded.

4. MATERIALS PRODUCED AND CONSUMED - Materials, parts, and supplies which are produced and consumed in the same establishment in the manufacture of products should be reported in column (C-1). Please report only the quantities of these materials produced and consumed. If the specific input materials used to produce these items are listed, the quantity and value should be reported in columns (C-2) and (D). If not, the cost should be included in the "All other materials, etc." line, Census material code 970099 8.

Line number	Materials, parts, and supplies			Census material code	Unit of measure for quantities	Quantities produced and consumed	Materials purchased and consumed				If you consumed less than \$10,000 of the item enter (X)
							Quantity	Cost, including delivery cost (freight-in)			
								(D)			
								574 Millions	Thou- sands	Dollars	
	(A)	(B-1)	(B-2)	(C-1)	(C-2)	575 000	000	000	(E)		
1	MILL SHAPES AND FORMS (EXCEPT CASTINGS)	Carbon steel	Bars and bar shapes	331011 7	Short tons						
2			Sheet and strip	331012 5							
3			Plates	331013 3							
4			Structural shapes	331015 8							
5			All other	331019 0							
6		Alloy steel (except stainless)		331020 8	Thousand pounds						
7											
8		Stainless steel	Sheet and strip	331033 1							
9			All other	331050 5							
10		Insulated wire and cable, except magnet wire	Copper - Report quantity of copper content only in column (C-2)	335792 8							
11			Aluminum - Report quantity of aluminum content only in column (C-2)	335793 6							
12		Magnet wire	335770 4								
13		Copper and copper-base alloy	Bare wire (for electrical conduction only)	335728 2	Thousand pounds						
14			Rod, bar, and mechanical wire, including extruded and/or drawn shapes	335102 0							
15			Plate, sheet, and strip, including military cups and discs	335143 4							
16			Pipe and tube	335152 5							
17		Aluminum and aluminum-base alloy	Sheet, plate, and foil	335301 8	Thousand pounds						
18			Extruded shapes, including extruded rod, bar, pipe, tube, etc.	335405 7							
19	CASTINGS (ROUGH AND SEMIFINISHED)	Steel	332045 4	Short tons							
20		Aluminum and aluminum-base alloy	336100 3	1,000 lbs.							
21		Copper and copper-base alloy	336200 1	1,000 lbs.							
22	INDUSTRIAL ELECTRICAL CONTROL EQUIPMENT	(Received for incorporation only into other industrial electrical control equipment shipped, as such, by this plant)									
23		Purchased from other companies	362200 8								
		Received from other plants of your company	362209 9								
24	Porcelain, steatite, and other ceramic electrical products		326400 9								
25	Plastic products consumed in the form of sheets, rods, tubes and other shapes		307903 5								
26	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc., but exclude sheets, rods, tubes and shapes		282104 9	Thousand pounds							
27	Nonferrous metal smelter and refinery shapes, including precious metal		333001 6	Thousand pounds							
28	Bolts, nuts, screws, rivets, and screw machine products		345001 2								
29	Switches, except snap, toggle and push, and circuit breakers		361301 5								
30	Electric motors, generators and parts		362101 8								
31	Sheet metal products, except stampings		344401 5								
32	Resistors, capacitors, transformers, transducers, and other electronic-type components, except electron tubes and semiconductors		367001 5								
33	Cost of all other materials and components, parts, containers, and supplies consumed including those values checked in column (E)			970099 8							
	Describe the three principal materials, etc., included in this value.										
34	TOTAL Sum of lines 1-33 should be same as item 5a										

Form MC-36B (Rev.)

Page 4

Item 18 PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1977*Instructions - Please read*

1. GENERAL - The products and services listed below are those that are generally made in your industry. Please review the entire list before completing the inquiry. If you produce products that are not prelisted, they should be described and reported in the "All other products" section at the end of item 18. **Please do not combine product lines.**

Products for which quantity data are requested should be reported in the unit of measure specified.

If your book records do not contain information as requested, **reasonable estimates are acceptable.**

2. VALUATION OF PRODUCTS - The value of the products shipped and services performed should be based on the **net selling value, f.o.b. plant**, after discounts and allowances, and exclusive of freight charges and excise taxes.

When transferring products to other establishments within your company, the shipping plant should assign the full economic value to the transferred products, i.e., include all direct costs of production and a reasonable proportion of all other costs and profits.

3. PRODUCTS BOUGHT AND SOLD WITHOUT FURTHER MANUFACTURE - Products which you purchase and sell as originally purchased (not used in the further manufacturing, processing, or assembling of products made in this establishment) should be reported as "Resales," Census product code 99989 00 6.

4. CONTRACT WORK

a. Products made by others for you from your materials: Report such products on the specific lines of this section as if they were made in this establishment.

b. Products that you made from materials owned by others: Report the amount that you received for "commission or contract receipts" on line 29, Census product code 93000 00 6. Do not report on the specific product lines for these products.

5. DETAILED DATA REPORTED ELSEWHERE - This report requires totals for groups of products covered in more detailed Current Industrial Reports (CIR). If you report on the CIR forms the value of shipments for items designated by an asterisk should equal the sum of the detail reported on the CIR's.

Line number	Products and services <i>* Item corresponds to products reported on Current Industrial Reports</i>	Census product code 581 (B-1)	Unit of measure for quantities (B-2)	Corresponds to the sum of products for 1977 reported on -		Products shipped and other receipts			
				Census form (B-3)	Code (B-4)	Quantity 583 (D)	Value, f.o.b. plant (E)		
							584 Millions 000	Thou- sands 000	Dollars 000
1	Switchgear, except ducts and relays (36131)*	36131 00 1		MA-36A	3613109-3613193				
2	Power circuit breakers, all voltages (36132)*	36132 00 9			3613215-3613230				
3	Low voltage panelboards and distribution boards and other switching and interrupting devices, 750 volts and under (36133)*	36133 00 7			3613311-3613398				
4	Fuses and fuse equipment under 2300 volts, except power distribution cut-outs (36134)*	36134 00 5			3613431-3613493				
5	Molded case circuit breakers, 750 volts and under (36135)*	36135 00 2			3613511-3613595				
6	Duct, including plug-in units and accessories, 750 volts and under (36136)*	36136 00 0			3613611-3613631				
7	Relays, control circuit (36137)*	36137 00 8			3613701-3613704				
8	General industry power circuit devices, controls, and parts (36220)*	36220 00 2			3622012-3622099				
9	Integrating instruments, electrical (38251)*	38251 00 5		MA38B	3825110-3825161				
10	Instruments to measure electricity (38253)*	38253 00 1		MA38B	3825308-3825376				
11	Power mercury arc rectifiers	36292 51 4	No. of units						
12	Current-carrying wiring devices, including lightning rods (36430)*	36430 00 7		MA36K	3643001-3643099				
13	Electrical metallic conduit and conduit fittings (36442)*	36442 00 2		MA36K	3644221-3644273				
14	Resistors for electronic applications (36700)*	36700 00 3	Thousands of units	MA36N	3676011-3676064				
15	Controls for monitoring residential and commercial environments and appliance regulating controls (38220)*	38220 00 0		MA38B	3822020-3822080				
16	Fractional horsepower motors (exclude hermetics) (36211)*	36211 00 1		MA36H	3621101-3621185				
17	Fractional motor-generator sets and other rotating equipment, including hermetics (36217)*	36217 00 8		MA36H	3621721-3621798				
18	Land transportation motors, generators, control equipment and parts (36213)*	36213 00 7		MA36H	3621311-3621398				
19	Parts and supplies for motors, generators, and motor generator sets, except for land transportation equipment. (Exclude motors for built in jobs)	36219 11 1							
20	Parts and attachments for adding, calculating, accounting machines and cash registers produced by complete machine manufacturers*	35745 10 8		MA35R	3574510				
21	Copper and copper-base alloy wire (bare and tinned) for purposes other than electrical transmission (alloyed)	33511 31 2	Short tons						
22	Galvanizing and other hot dip coatings	34790 31 1							
23	ALL OTHER PRODUCTS MADE IN THIS ESTABLISHMENT <i>Describe and report separately for each product whose value was \$50,000 or more and not listed above. Specify unit of measure for quantity.</i>								
24									
25									
26									
27									
28		Report a single total value for your remaining products not listed above.	77777 00 1						
29	CONTRACT WORK	Receipts for work done for others on their own materials <i>Describe products worked on and kind of work</i>	93000 00 8						
30	MISCELLANEOUS RECEIPTS	Sales of scrap and refuse	99980 13 8						
31		Receipts for repair work	99980 61 7						
32		Other miscellaneous receipts	99980 98 9						
33	RESALES	Sales of products bought and sold without further manufacture, processing, or assembly in this establishment. The cost of such items should be reported in item 5b.	99989 00 6						
34	TOTAL Sum of lines 1-33 column (E)		77000 00 8						

CONTINUE ON PAGE 5 →

Page 5

FORM MC-36B (Rev.) U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS				PLEASE ENTER THIS ESTABLISHMENT'S 11-DIGIT CENSUS FILE NUMBER															
1977 CENSUS OF MANUFACTURES SWITCHGEAR AND SWITCHBOARD APPARATUS AND INDUSTRIAL CONTROLS - Continued				Name of establishment (same as address box)															
Item 19 - Not applicable to this form																			
Item 20 SELECTED METALWORKING AND RELATED OPERATIONS PERFORMED IN THIS ESTABLISHMENT DURING 1977																			
Mark (X) appropriate box																			
Were any of the operations listed below performed in this establishment in 1977?				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center;">5</td> <td style="width: 40%;">Census code</td> <td style="width: 20%;">YES</td> <td style="width: 30%;">NO</td> </tr> <tr> <td></td> <td>591</td> <td>592</td> <td>593</td> </tr> <tr> <td></td> <td>208</td> <td>1 <input type="checkbox"/></td> <td>2 <input type="checkbox"/></td> </tr> </table>		5	Census code	YES	NO		591	592	593		208	1 <input type="checkbox"/>	2 <input type="checkbox"/>		
5	Census code	YES	NO																
	591	592	593																
	208	1 <input type="checkbox"/>	2 <input type="checkbox"/>																
If "Yes," indicate in column (C) by marking appropriately, which of the specified operations were performed in this establishment during 1977. Where "Yes" is marked, show in column (D) the approximate number of production workers on all shifts usually engaged in the specified operation.																			
Line number	Operation (A)	5 Census code 591 (B)	Was this operation performed in this establishment during 1977? (C) Yes No		Number of production workers (on all shifts) usually employed when operated (estimate if necessary) (D)														
1	Foundry (iron or steel)	018	1 <input type="checkbox"/>	<input type="checkbox"/>															
2	Foundry (nonferrous, except die casting)	026	1 <input type="checkbox"/>	<input type="checkbox"/>															
3	Electroplating and other plating	059	1 <input type="checkbox"/>	<input type="checkbox"/>															
4	Heat treating of metals for production purposes	075	1 <input type="checkbox"/>	<input type="checkbox"/>															
5	Automatic screw machine department	083	1 <input type="checkbox"/>	<input type="checkbox"/>															
6	Machine shop	091	1 <input type="checkbox"/>	<input type="checkbox"/>															
7	Tool and die shop (if separate from machine shop) for jigs, fixtures, dies, and other special tooling	109	1 <input type="checkbox"/>	<input type="checkbox"/>															
8	Pattern shop (foundry patterns only - metal, wood, etc.)	117	1 <input type="checkbox"/>	<input type="checkbox"/>															
9	Plate or structural fabrication	125	1 <input type="checkbox"/>	<input type="checkbox"/>															
10	Stamping, blanking and forming of metals	133	1 <input type="checkbox"/>	<input type="checkbox"/>															
11	Painting, lacquering and enameling on metals	141	1 <input type="checkbox"/>	<input type="checkbox"/>															
12	Plastics molding	158	1 <input type="checkbox"/>	<input type="checkbox"/>															
Item 21 - Not applicable to this form																			
Remarks - Please use this space for any explanation that may be essential in understanding your reported data.																			
Item 22 CERTIFICATION																			
Name of person to contact regarding this report				Telephone															
Address - Number and street				Signature of authorized person															
City				State															
ZIP code				Title															
Date				Date															

PENALTY FOR FAILURE TO REPORT

DUE DATE: FEBRUARY 15, 1978

FORM MC-37EX
(RAILROAD SHOPS)U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

1977 CENSUS OF MANUFACTURES

LOCOMOTIVES AND CARS
BUILT AND REBUILT IN SHOPS OF
OPERATING RAILROADSPlease complete and return
this form as soon as possible
after receipt toBUREAU OF THE CENSUS
Industry Division
Washington, D.C. 20233**NOTICE** — Response to this inquiry is required by law (title 13, U.S. Code). By the same law, your report to the Census Bureau is confidential. It may be seen only by sworn Census employees and may be used only for statistical purposes. The law also provides that copies retained in your files are immune from legal process.In correspondence pertaining to this report,
please refer to this Census File NumberEmployer Identification
Number

Please correct errors in name, address and ZIP code. ENTER street and number if not shown.

Instructions - Please read

Please return one copy of this report to the Bureau of the Census, Industry Division, Washington, D.C., 20233, WITHIN 30 DAYS. A separate report should be completed for each shop of your company at which any locomotives or railroad cars were built or rebuilt during 1977.

Include as "rebuilt" locomotives and railroad cars those for which the cost of their dismantling, improvement, and modernization is more

than 50 percent of the replacement cost of a new unit of the same class and kind at the time of rebuilding. Do not include as "rebuilt" any conversions or reclassifications, nor units which were reconditioned by replacing defective parts. The values reported for "rebuilt" locomotives and cars should represent the additional value written into the property account.

Item A —
NAME OF
ESTABLISHMENT
COVERED BY
THIS REPORTItem B —
LOCATION OF
ESTABLISHMENT

Number and street

City

State

ZIP code

Item C —
NATURE OF
ACTIVITY

Describe briefly the kind of activity of this establishment

Item D —
MAN-HOURS OF
PRODUCTION
WORKERSWere more than 50 percent of the total production worker man-hours
worked at this shop during 1977 devoted to building or rebuilding
locomotives, passenger cars, or freight cars?☐ Yes☐ No

PLEASE CONTINUE ON PAGE 2

Form MC-37EX

Page 2

Item E PRODUCTS MADE IN RAILROAD SHOP DURING 1977*Instructions - Please read*

Columns (D) and (E) - Total built and rebuilt - Locomotives and cars built and rebuilt by railroads in their shops for their own use should be reported when they are transferred from the shop to the operating part of the company. The value of new locomotives and cars built by railroads for their own use should represent the amount at which they were written into the property accounts. The value reported for locomotives and cars "rebuilt" by railroad companies should represent the additional value written into the property account.

Report separately each product listed; do not combine product lines.

Lines 1-4, 21, and 22 - Include under "rebuilt," locomotives and railroad cars for which the cost of their dismantling, improvement, and modernization is more than 50 percent of the replacement cost of a new unit of the same class and kind at the time of rebuilding. Do not include as rebuilt any units which were reconditioned by replacing defective parts. Do not include conversions or reclassifications.

Column (F) - Weight of items reported in column (D) - Report the weight of locomotives and cars as the empty light weight or "tare" weight.

Line number	Product (A)			Census product code 581 (B)	Total built and rebuilt		Weight of items reported in column (D) (SHORT TONS) 585 (F)
					Quantity (NUMBER OF UNITS) 583 (D)	Value f.o.b. plant (THOUSANDS OF DOLLARS) 584 (E)	
1	LOCOMOTIVES, BOTH NEW AND REBUILT, AND PARTS FOR LOCOMOTIVES SOLD SEPARATELY (37431)	Locomotives	Diesel-electric (except mining type)	Rail service type	37431 11 1		
2			Other types	37431 15 2			
3		Other (except mining type)	Rail service type	37431 21 0			
4			Other types	37431 25 1			
5			Mining type, including both new and rebuilt	37431 60 8			
6		Parts for locomotives	Air brakes	37431 72 3			
7			Other locomotive parts, except wheels and axles	37431 79 8			
8	PASSENGER AND FREIGHT TRAIN CARS, NEW (37432)	Freight train cars, new	Box	37432 11 9			
9			Flat	37432 15 0			
10			Gondola	37432 25 9			
11		Hopper (covered)	Steel	37432 28 3			
12			Aluminum	37432 32 5			
13			Other	37432 34 1			
14			Hopper (uncovered)	37432 31 7			
15			Tank	37432 41 6			
16			Caboose	37432 45 7			
17		Other freight train cars, including refrigerator cars and industrial rail cars	Suitable for common carrier service	37432 51 5			
18			Not suitable for common carrier service	37432 52 3			
19		Passenger train cars, new	Self-propelled vehicles designed to carry passengers or articles	37432 61 4			
20			Non-self-propelled vehicles, including coach, coach combination, etc.	37432 62 2			
21	STREET CARS, PARTS AND ACCESSORIES FOR RAILROAD CARS AND STREET CARS, AND REBUILT PASSENGER AND FREIGHT TRAIN CARS (37433)	Rebuilt passenger and freight train cars	Rebuilt passenger train cars	37433 31 5			
22			Rebuilt freight train cars	37433 51 3			
23			Self-propelled street cars, subway cars, rapid transit, trolley buses, etc.	37433 61 2			
24			Non-self-propelled street cars, subway cars, rapid transit, trolley buses, etc.	37433 62 0			
25			Other work and service railroad vehicles (exclude locomotive cranes)	37433 69 5			
26		Parts and accessories for railroad and street cars	Airbrake equipment	37433 71 1			
27			Other railroad and street car parts and accessories	37433 79 4			
28	TOTAL Sum of lines 1-27				77000 00 8		

Remarks - Please use this space for any explanation that may be essential in understanding your reported data.

Item F CERTIFICATION

This report is substantially accurate and has been prepared in accordance with instructions.

Name of person to contact regarding this report		Telephone		Period covered →	From:	Mo.	Day	Year	To:	Mo.	Day	Year
		Area code	Number		Extension							
Address - Number and street					Signature of authorized person							
City		State		ZIP code		Title			Date			

FORM MA-100 (SU) (B-77)

PENALTY FOR FAILURE TO REPORT
DUE DATE: FEBRUARY 15, 1978

Form Approved: O.M.B. No. 41-577001

FORM CB-50F (5006)	U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS	<p>NOTICE — Response to this inquiry is required by law (Title 13, U.S. Code). By the same law, your report to the Census Bureau is confidential. It may be seen only by sworn Census employees and may be used only for statistical purposes. The law also provides that copies retained in your files are immune from legal process.</p> <p>In correspondence pertaining to this report, please refer to this Census File Number</p> <p style="text-align: right;">Employer Identification Number</p> <p style="text-align: center;">CB-50F (5006)</p>																																																																																
<h2 style="margin: 0;">1977 CENSUS OF DISTRIBUTIVE TRADES</h2> <h3 style="margin: 0;">ELECTRICAL GOODS</h3>																																																																																		
<p><i>Important</i> — PLEASE READ ALL ACCOMPANYING INSTRUCTIONS</p>																																																																																		
<p>Please complete this form and RETURN TO</p>		<p>BUREAU OF THE CENSUS 1201 East Tenth Street Jeffersonville, Indiana 47132</p>																																																																																
Census use only	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Unit No.</td> <td style="width: 15%;">Item code</td> <td style="width: 15%;">Unit No.</td> <td style="width: 15%;">Item code</td> <td style="width: 15%;">Unit No.</td> <td style="width: 15%;">Item code</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>	Unit No.	Item code	Unit No.	Item code	Unit No.	Item code																									<p>KEEP THIS COPY FOR YOUR FILES</p> <p>PLEASE COMPLETE AND RETURN THE FORM WHICH SHOWS YOUR NAME AND ADDRESS</p> <p><small>Please correct errors in name, address and ZIP code. ENTER street and number if not shown.</small></p>																																																		
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<p>Important — Please read</p> <p>Dollar figures should be reported as illustrated. Please be careful to enter the figures in the correct columns. See example below.</p> <p style="text-align: center;">EXAMPLE: If figure is \$1,125,628.28 →</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">MIL- IONS (000)</td> <td style="width: 33%;">THOU- SANDS (00)</td> <td style="width: 33%;">DOL- LARS (000)</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">125</td> <td style="text-align: center;">628</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">125</td> <td style="text-align: center;">628</td> </tr> </table> <p style="text-align: right;">• PREFERRED method</p> <p style="text-align: right;">Acceptable method</p>			MIL- IONS (000)	THOU- SANDS (00)	DOL- LARS (000)	1	125	628	1	125	628																																																																							
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Please continue on page 2 →

Page 2

Item 8 — TYPE OF OPERATION — Mark (X) the ONE item that is best suited to your business — the basis on which the major portion of your operation was conducted in 1977.

a. Merchant (buying and selling on own account) — An establishment primarily engaged in buying and selling merchandise produced by other firms on its own account.

• **Importer** — Source of purchase is primarily foreign.

• **Exporter** — Purchasing goods in the United States for delivery to customers outside the United States.

• **Wholesale merchant, jobber, distributor** — Buying and selling merchandise in the United States for delivery in the United States.

b. Manufacturers' sales branch or sales office — An establishment primarily engaged in selling goods mined or manufactured in the United States and its possessions or Puerto Rico by your company, your parent company, or companies corporately affiliated with your company.

• **Sales branch** — Manufacturers' sales outlet which carries stock.

• **Sales office** — Manufacturers' sales outlet which does not carry stock.

c. Broker, agent, commission merchant — An establishment primarily engaged in selling or buying merchandise on an agency basis for others, but not dealing primarily on own account.

• **Auction company** — Selling merchandise for others at wholesale from a permanent location by the auction method.

• **Broker** — Selling or buying merchandise on a brokerage basis for others in the United States market, but not receiving goods on consignment.

• **Commission merchant** — Receiving goods on consignment and selling them in the United States market.

• **Import agent** — Representing, on an agency basis, firms outside the United States selling goods in the domestic market.

• **Export agent** — Representing, on an agency basis, domestic firms selling merchandise for delivery outside the United States or its possessions.

• **Manufacturers' agent** — Selling for a limited number of manufacturers on a continuing agency basis.

d. Other type of operation — If none of the above types apply, describe your method of operation.

a. Merchant (buying and selling on own account)

060

(1) Importer ☐ 12

(2) Exporter ☐ 13

(3) Wholesale merchant, jobber, distributor ☐ 11

b. Manufacturers' sales branch or sales office

(1) Sales branch (with stock) ☐ 21

(2) Sales office (without stock) ☐ 22

c. Broker, agent, commission merchant

(1) Auction company ☐ 41

(2) Broker (representing buyers or sellers) ☐ 42

(3) Commission merchant ☐ 43

(4) Import agent ☐ 44

(5) Export agent ☐ 45

(6) Manufacturers' agent ☐ 46

d. Other type of operation — Specify ☐

Item 9 — KIND OF BUSINESS — Mark (X) the ONE item that best describes the principal kind of business of this establishment in 1977. If none applies, mark the last item and enter the description by which your business is known to the trade or public.

070

a. Electrical goods

(1) Electrical apparatus and equipment, wiring supplies, and construction materials ☐ 506300

(2) Electrical appliances, television and radio sets ☐ 506400

(3) Electronic parts and equipment ☐ 506500

b. Other kind of business — Specify ☐

Item 10 — SALES BY COMMODITY LINES

Report the volume of sales of each of the listed commodity lines which account for at least 1% of this establishment's sales. If any commodities sold are not prelisted but account for 1% or more of total sales, write in the description and volume of sales in the space provided.

Sales may be reported either in dollar figures (see example on page 1), or as a percentage (whole percents) of the total (see example).

The sum of reported commodity lines should equal the total sales as reported in item 5a if dollars are reported; if percents are used, the sum should equal 100.

EXAMPLE FOR REPORTING PERCENTS

If figure is 38.76% of total sales:

• Report whole percents —

Not acceptable —

	Mil.	Thou.	Dol.	Per cent
				39%
				38.76%

Description	Census use only	Estimated sales during 1977				Description	Census use only	Estimated sales during 1977			
		Mil.	Thou.	Dol.	Per cent			Mil.	Thou.	Dol.	Per cent
Electrical goods	170	171			172	Other commodity lines	170	171			172
1. Electrical apparatus and equipment						4. Automotive parts and supplies	0200				
a. Power and distribution transformers	1311					5. Household and lawn furniture	0400				
b. Switchgear and switchboard apparatus	1312					6. Household china, glassware, and crockery	0500				
c. Motors and generators	1313					7. Linens, domestics, draperies, and shades	0520				
d. Industrial controls (power circuit devices and controls)	1314					8. Floor coverings	0540				
e. Electric lamps and bulbs	1316					9. Other home furnishings	0560				
f. Interior wiring (Report conduit on line i)	1317					10. Plywood, millwork	0650				
g. Lighting fixtures (residential and commercial)	1318					11. Sporting and recreational goods and supplies	0800				
h. Communication equipment	1319					12. Toys, hobby goods and supplies	0900				
i. Other electrical apparatus and equipment (Include conduits, transmission hardware, lightning rods, etc.)	1321					13. Photographic equipment and supplies	1000				
j. Total (Sum of lines 1a through 1i)	1300					14. Hardware (Include power hand tools)	1600				
2. Electrical appliances, household	170	171			172	15. Plumbing and heating equipment and supplies	1700				
a. Radio and TV sets	1411					16. Warm air heating and air conditioning equipment and supplies	1800				
b. Electrical household ranges and ovens	1412					17. Refrigeration equipment and supplies	1900				
c. Refrigerators and freezers, household	1413					18. Restaurant and hotel equipment and supplies	2020				
d. Household laundry equipment	1414					19. Farm machinery and equipment	2200				
e. Vacuum cleaners and sewing machines, household	1415					20. Garden, lawn machinery and equipment	2250				
f. Room air conditioners	1416					21. Jewelry, watches, diamonds, and other precious stones (Include silverware)	170	171			172
g. Other electric household appliances (Include fans, dishwashers, etc.)	1417					22. Other durable goods (Include phonograph records and pre-recorded tapes)	3030				
h. Total (Sum of lines 2a through 2g)	1400					23. Art goods (Include gifts, novelties, and souvenirs)	5910				
3. Electronic parts and equipment						24. Miscellaneous commodities — Specify					
a. Electron tubes, receiving and transmitting (Include cathode ray TV picture tubes)	1511					a.	9800				
b. Intercommunication equipment	1512					b.	9800				
c. Public address equipment	1513					c.	9800				
d. Semiconductors, transistors, diodes, rectifiers, and other semiconductor devices (solar cells, zener diodes, etc.)	1514					25. Rental receipts — Specify					
e. Other electronic parts and equipment	1515						9940				
f. Total (Sum of lines 3a through 3e)	1500					26. Service receipts and labor charges (Include installed parts)					
	170	171			172	a. Labor charges	9711				
						b. Parts installed and repair work	9712				
						c. Other service receipts	9713				
						d. Total (Sum of lines 26a through 26c)	9700				
						27. TOTAL SALES IN 1977 (Sum of lines 1 through 26 should equal the entry in item 5a)	9990				100%

FORM CB-50F (5006)		U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS		Please enter the 11-digit CENSUS FILE NUMBER as shown on this report (See label on page 1)				
1977 CENSUS OF DISTRIBUTIVE TRADES ELECTRICAL GOODS								
Item 11 — SALES BY CUSTOMER CLASSES				Whole percents				
<p>Report the approximate percentage of your 1977 sales (item 5a) to each of the customer classes listed.</p> <p>Line a — Sales to laboratories, manufacturers of all types, service business, and other business concerns that normally buy for business use rather than for resale of the goods in the form purchased.</p> <p>Line b — Sales to farmers for use in agricultural production.</p> <p>Line c — Sales to builders and contractors for construction purposes, not for resale.</p> <p>Line d — Sales to the Federal government (including the military, post exchanges, GSA, GPO, and similar Federal agencies) and to State and local governments. Include here only sales made by this establishment DIRECT to governmental agencies.</p> <p>Line e — Sales to retailers of all types (retail chain organizations, independent stores, department stores, etc.) who normally buy for resale to home consumers. Sales to repair shops of all types.</p> <p>Line f — Sales to organizations that normally purchase for resale at wholesale. Sales to suppliers of plumbing, electrical, farm, and office machinery and supplies. Sales through agents and brokers selling on your account.</p> <p>Line h — Include sales made direct to buyers in foreign countries, or through their agents in this country. Include transfers, if any, to your own foreign branches. United States possessions should not be considered as foreign countries.</p>				a. To institutional, industrial, commercial, and professional users <i>Report sales to repair shops on line e.</i>		141		
				b. To farmers (for farm use)		142		
				c. To builders		143		
				d. To governmental bodies (Federal, State, and local governments)		144		
				e. To retailers and repair shops		145		
				f. To wholesale establishments		146		
				g. To household consumers and individual users		147		
				h. Export sales		148		
				i. TOTAL (Sum of lines a through h should add to 100)		100%		
				Item 12 — EMPLOYMENT BY PRINCIPAL ACTIVITY				Number of employees
<p>Report the approximate number of employees at this establishment according to their principal activity during the pay period including March 12, 1977 (total should equal item 6b(1)).</p> <p>Line a — Include employees primarily engaged in selling services and merchandise from this establishment.</p> <p>Line b — Include traveling salesmen, truck salesmen, etc.</p> <p>Line c — Include employees primarily engaged in office and clerical work for this establishment. (See instruction for line e.)</p> <p>Line d — Include employees primarily engaged in warehousing activities for this establishment. (See instruction for line e.)</p> <p>Line e — Central administrative — Employees primarily engaged in various management, accounting, clerical, warehousing, etc., services for other establishments of your company. Include corporate officers unless primarily engaged in sales activities.</p>				a. Inside selling		130		
				b. Outside selling		131		
				c. Office and clerical		132		
				d. Warehousing		133		
				e. Administrative		134		
				f. Manufacturing		135		
				g. Other — Specify		136		
				h. TOTAL (Sum of lines a through g should equal entry in item 6b(1))		137		
				Item 13 — WAREHOUSE, STOCKROOM, AND OTHER INVENTORY STORAGE SPACE, DECEMBER 31, 1977				149
<p>Report occupiable floor space excluding space occupied by interior walls, permanent aisles, elevator shafts, stairways, offices, receiving and shipping platforms, etc.</p>				1. YES — Go to 13b				
				2. NO — SKIP to item 15				
				Square feet				
				Mil. Thou. 000				
b. Occupiable floor space (under-roof) — occupied and unoccupied — of this establishment				150				
Item 14 — Not applicable to this form								
Item 15 — CREDIT SALES, RECEIVABLES, AND BAD DEBT LOSSES				156				
<p>a. Did you have credit sales, receivables, or bad debt losses in 1977?</p> <p>1. YES — Go to 15b</p> <p>2. NO — SKIP to item 16</p>				b. Approximately what percent of your 1977 sales were made on credit?		%		
				c. Accounts and notes receivable, outstanding as of December 31, 1977		Mil. Thou. Dol.		
				d. Bad debt losses, 1977				
Item 16 — TRUCKS, TRUCK TRACTORS, AND TRUCK TRAILERS OPERATED, MID-DECEMBER 1977				160				
<p>a. Did this establishment operate any trucks, truck tractors, or truck trailers mid-December 1977?</p> <p>1. YES — Go to 16b</p> <p>2. NO — SKIP to item 17</p>				b. Number and type of vehicles operated mid-December 1977		TOTAL	Owned	Rented or leased (without drivers)
				(1) Trucks (except tractor trailer)		161	162	163
				(2) Truck tractors		164	165	166
				(3) Semi-trailers and full-trailers		167	168	169
Remarks — Please use this space for any explanation that may be essential in understanding your reported data.								
Item 17 — CERTIFICATION				Census use only				
Name of person to contact regarding this report				18a. YES NO 18b. YES NO 19a. YES NO 19b. Number 079 Not returned Blank				
Address — Number and Street				Telephone				
City				State ZIP code				
Signature of authorized person				Date				
Title								

U.M.B. No. 41-R2349: Approval Expires November 30, 1978

<p>Form MA-171</p> <p style="text-align: center;">U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS</p> <p style="text-align: center;">DEPARTMENT OF DEFENSE-OWNED AND OPERATED ESTABLISHMENTS PRIMARILY ENGAGED IN MANUFACTURING AND ASSEMBLY, AND OR RESEARCH AND DEVELOPMENT - 1977</p> <p style="text-align: center;">(Includes shipyards)</p> <p style="text-align: center;">(Supplement to the Annual Survey of Manufactures, Census Form MA-100)</p> <p>INSTRUCTIONS - This report is to be prepared by those Department of Defense establishments whose primary activities are manufacture and assembly and/or research and development. All shipyards are included.</p> <p>The information requested is based upon reports now regularly prepared by most such establishments.</p>	<p>NOTICE - Response to this inquiry is required by law (title 13, U.S. Code). By the same law, your report to the Census Bureau is confidential. It may be seen only by sworn Census employees and may be used only for statistical purposes. The law also provides that copies retained in your files are immune from legal process.</p> <p style="text-align: center;">(Please correct if any error in name and address, including ZIP code)</p> <p style="text-align: center; margin-top: 20px;">PLEASE RETURN THIS COPY</p>
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ITEM 1 - NAME AND PHYSICAL LOCATION OF ESTABLISHMENT ON DECEMBER 31, 1977													
<p>a. Name of establishment</p> <p>Your answers to parts b, c, d, e, and f of this item should relate to the ACTUAL PHYSICAL LOCATION of this establishment which may be different from the mailing address.</p> <p>b. Street and number of establishment location*</p> <p>* If establishment location cannot be described by street and number, give name and number, if any, of road or highway and sufficient information to locate establishment, e.g., Rt. 25, 3 miles south of Charlesville.</p> <p>c. Type and name of place in which located - Mark (X) first applicable type and enter name of place.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Type</th> <th style="width: 80%;">Name of place</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> City</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Village or borough</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Town</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Township</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Other - Specify</td> <td></td> </tr> </tbody> </table>	Type	Name of place	<input type="checkbox"/> City		<input type="checkbox"/> Village or borough		<input type="checkbox"/> Town		<input type="checkbox"/> Township		<input type="checkbox"/> Other - Specify		<p>d. Is this establishment physically located within the legal boundaries of the place named in "c"?</p> <p style="text-align: center;"><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>e. County in which located</p> <p>f. State ZIP code</p> <p>g. Telephone number of establishment (Include area code)</p>
Type	Name of place												
<input type="checkbox"/> City													
<input type="checkbox"/> Village or borough													
<input type="checkbox"/> Town													
<input type="checkbox"/> Township													
<input type="checkbox"/> Other - Specify													
<p>ITEM 2 - NATURE OF ACTIVITY</p> <p>Describe briefly the kind of activity of this establishment. If a manufacturing plant, list the three most important products.</p>													

ITEM 3 EMPLOYMENT PAYROLLS IN CALENDAR YEAR 1977 (Civilian employees only)	Class of employee	Item code	Number of civilian employees in 1977					Total wages and salaries of civilian employees (Thousands of dollars) (G)	
			At end of quarter (As reported on Civil Service Form SF-113-A **)				Sum of columns A, B, C, and D (E)		Average number of employees (Col. E divided by 4) (F)
			March (A)	June (B)	September (C)	December (D)			
	a. Wage Board employees	41							\$
	b. All others	42							\$
	c. TOTAL CIVILIAN EMPLOYEES (Sum of lines a and b)	49							\$

** The number of Wage Board employees (line a) should be the same as reported on line 5 of SF-113-A.
The total (line c) should be the same as reported on line 1 of SF-113-A.

ITEM 4 MAN-DAYS OF WAGE BOARD EMPLOYEES BY CALENDAR QUARTER 1977	Item code	1977 Quarterly period	Man-days (Thousands) (A)	Estimated number of man-hours *** (Thousands) (B)
Enter the total number of man-days of Wage Board employees for each calendar quarter of 1977. Do not include days paid for vacations, holidays, or sick leave.	51	a. January through March		
	52	b. April through June		
	53	c. July through September		
	54	d. October through December		
	59	e. TOTAL, 1977 → (Sum of lines a, b, c, and d)		

*** Obtain figure for column (B) by multiplying column (A) by average number of hours per day per Wage Board employee in this establishment.

ITEM 5 BILLINGS BY THIS ESTABLISH- MENT DURING CALENDAR YEAR 1977	Enter below the specified classes of billings of this establishment for calendar year 1977		
	Billings for products and services (including progress billings)	Item code	Value (Thousands of dollars)
	Manufacture and assembly	61	\$
	Construction and conversion	62	
	Overhaul, repair, and renovation	63	
	Alteration and modification	64	
	Research and development	65	
	Other billings	66	
	Total billings for products and services	67	
	Increase or decrease in unbilled costs of work in progress	68	
TOTAL EARNED REVENUE →		69	
ITEM 6 COSTS DURING CALENDAR YEAR 1977	Types of costs incurred	Item code	Cost (Thousands of dollars)
	Materials, supplies, and parts used	71	\$
	Wages and salaries (same as item 3, code 49, col. G)	72	
	Contractual services and other costs	73	
	TOTAL COSTS INCURRED →	79	
VALUE ADDED (Census use only)		81	
ITEM 7 CHECKS TO ASSURE A COMPLETE AND ACCURATE REPORT (Please complete this item after you have answered all items on this report.)	The Census Bureau reviews your report for omissions, inconsistencies, and unusual ratios. To save you future correspondence about these problems, please make the following checks before returning your report:		
	a. Review this report carefully to see that no items are omitted.		
	b. Calculate and enter the four "reasonableness" checks (described below), then review the resulting figures.		
	c. Correct your report for any errors you find; explain unusual figures in "Remarks" section.		
	"Reasonableness" checks	Calculation required for each check	Resulting figures for 1977
	(1) Average hourly wages per Wage Board employee	Item code 41, column G (Wages paid Wage Board employees) ÷ item code 59, column B (Total estimated work-hours)	\$
(2) Work days per year per Wage Board employee	Item code 59, column A (Wage Board work-days in thousands) × 1,000 ÷ item code 41, column F (Average number of Wage Board employees)	Work-days	
(3) Wages and salaries per dollar of earned revenue	Item code 72, (Wages and salaries of civilian employees) ÷ item code 69 (Total earned revenue)	\$	
(4) Is the total earned revenue (item code 69, total) greater than total costs incurred (item code 79, total)? <input type="checkbox"/> Yes <input type="checkbox"/> No — If "No," please explain in "Remarks" section.			
ITEM 8 REMARKS PERTAIN- ING TO THIS REPORT			
PERIOD OF REPORT	This report covers the period from _____ to _____		
ITEM 9	Name of person to be contacted regarding this report	Address — Number and street, city, State, ZIP code	Telephone — Area code, number, extension
ITEM 10	CERTIFICATION — This report is substantially accurate and has been prepared in accordance with instructions.		
	Name of establishment	Address — Number and street, city, State, ZIP code	
	Signature of authorized official	Title	Date

DUE DATE: 30 days after receipt

Form Approved: O.M.B. No. 41-S77041

FORM MC-D4
(6-7-77)

(Please correct any error in name or address including ZIP code)

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

1977 CENSUS OF MANUFACTURES

REPORT FROM PENAL INSTITUTIONS

Please complete
this form and
RETURN TOBUREAU OF THE CENSUS
Industry Division
Washington, D.C. 20233

YOUR FILE COPY

PRODUCTS MADE IN THIS ESTABLISHMENT DURING 1977

INSTRUCTIONS FOR TOTAL PRODUCTION

Column (D) — Quantity — Report where appropriate the quantity of all products you made in this institution during 1977. Include products produced for use within the institution and products transferred to other branches of your government.

Column (E) — Value — Report at approximate market value all products, either used within the institution or transferred to other governmental units.

Line No.	Product (A)	Unit of measure (B)	Total production		Census product code (J)
			Quantity (D)	Value (Thousands of dollars) (E)	
1	Meat and meat products			\$	201
2	Canned foods				203
3	Coffee and tea				209
4	Tobacco, chewing and smoking				213
5	Blankets				221
6	Woven fabrics	1,000 lbs.			223
7	Cordage and twine	Thousand linear yards			229
8	Apparel and clothing, including uniforms, coats, etc.				230
9	Sheets and pillowcases				232
10	Canvas specialties				239
11	Mattresses				251
12	Wooden furniture				253
13	Printing and binding				275
14	Soaps				284
15	Paints				285
16	Shoes	Pairs			314
17	Brick	Clay	Thousand brick		325
18		Concrete			326
19	Concrete blocks	Thousand block 8"×8"×16" equivalent			327
20	Motor vehicle license plates (Count a set of front and rear plates as two plates)	Number			346
21	Highway and road signs				399
22	Miscellaneous metal products				349
23	Brooms and brushes				399
24	Prepared animal feeds				204
25	All other products — Specify kind and unit of measure				
26					
27					
28					
29					
30	TOTAL (Sum of lines 1-29)			\$	

Remarks — Please use this space for any explanation that may be essential in understanding your reported data.

CERTIFICATION

This report is substantially accurate and has been prepared in accordance with instructions.

Name of person to contact regarding this report

Telephone

Area code

Number

Extension

Period covered →

From: (Mo., day, Yr.)

To: (Mo., day, Yr.)

Address — Number and street

Signature of authorized person

City

State

ZIP code

Title

Date

APPENDIX E. Authority for Census: Title 13, United States Code

COLLECTION AND PUBLICATION: Five-year periods (131)

The Secretary shall take, compile, and publish censuses of manufactures, of mineral industries, and of other businesses . . . in the year 1964, then in the year 1968, and every fifth year thereafter, and each such census shall relate to the year immediately preceding the taking thereof.

Geographic scope of censuses (191a)

(a) Each of the censuses authorized by this chapter shall include each State, the District of Columbia, the Virgin Islands, Guam, the Commonwealth of the Northern Mariana Islands, and the Commonwealth of Puerto Rico, and as may be determined by the Secretary, such other possessions and areas over which the United States exercises jurisdiction, control, or sovereignty. Inclusion of the other areas over which the United States exercises jurisdiction or control shall be subject to the concurrence of the Secretary of State.

Wrongful Disclosure of Information (214)

Whoever, being or having been an employee or staff member referred to in subchapter II of chapter I of this title, having taken and subscribed the oath of office, or having sworn to observe the limitations imposed by section 9 of this title,

publishes or communicates any information, the disclosure of which is prohibited under the provisions of section 9 of this title, and which comes into his possession by reason of his being employed (or otherwise providing services) under the provisions of this title, shall be fined not more than \$5,000 or imprisoned not more than 5 years, or both.

FAILURE TO ANSWER QUESTIONS AFFECTING COMPANIES, BUSINESSES, RELIGIOUS BODIES, AND OTHER ORGANIZATIONS: FALSE ANSWERS (224)

Whoever, being the owner, official, agent, person in charge, or assistant to the person in charge, of any company, business, institution, establishment, religious body, or organization of any nature whatsoever, neglects or refuses, when requested by the Secretary or other authorized officer or employee of the Department of Commerce or bureau or agency thereof, to answer completely and correctly to the best of his knowledge all questions relating to his company, business, institution, establishment, religious body, or other organization, or to records or statistics in his official custody, contained on any census or other schedule or questionnaire prepared and submitted to him under the authority of this title, shall be fined not more than \$500; and if he willfully gives a false answer to any such question, he shall be fined not more than \$10,000.

APPENDIX F. Annual Survey of Manufactures

DESCRIPTION OF SURVEY SAMPLE

The annual survey of manufactures (ASM) is a survey based on a probability sample of about 70,000 manufacturing establishments selected from the census of manufactures universe. The current sample was selected from the manufacturing establishments included in the 1972 Census of Manufactures supplemented by Social Security Administration (SSA) files of manufacturers that opened after 1972. As in the earlier surveys, companies rather than establishments were defined as the sampling units. The selected companies were required to report for all of their plants, so that new establishments of existing companies also were represented in the sample.

All companies that had any manufacturing establishments with 250 employees or more in the 1972 census were included in the survey sample. These large companies, included with certainty, collectively account for more than two-thirds of total manufacturing employment.

Smaller companies were selected for the ASM in accordance with mathematical theory for optimum allocation of a sample. Their probabilities of inclusion ranged from 1.000 to 0.005 and were proportional to measures of size determined for each company. The measures of size of companies included in the 1972 Census of Manufactures depended directly upon each company's 1972 product class values and the historic variability of the year-to-year shipments of each product class. Roughly equivalent measures of size were assigned to the postcensus companies based on their industry codes and anticipated employment. (More specific information was not available for them in the SSA files used for sampling.)

To improve the reliability of the industry statistics for geographic areas, two features were incorporated into the sample design. First, some weight was given to the total value of shipments of each establishment relative to the total value of shipments for the State in which the establishment was located. Second, product class values for establishments in those States in which the total level of manufacturing was relatively low or was rapidly expanding (but for which the reliability of estimates was not expected to be much improved by the first sample design feature) were multiplied by factors ranging from 1.15 to 1.25 before measures of size were developed.

This method of assigning measures of size was used to maximize the precision (i.e., minimize the variance) of estimates of the year-to-year change in the value of product class shipments. Implicitly, it also gave weight to differences in employment, value added, and other industry statistics. These items are highly correlated with total value of shipments, and the assigned size measures varied directly with that total for each company.

The cost of collecting and processing data for a company is roughly proportional to the number of its establishment reports. To maximize the sample information obtained for a fixed total cost, each company's initial size measure was divided by the square root of its number of establishments. Sample selection probabilities then were obtained by multiplying each company's final measure of size by an overall sampling fraction calculated to yield the total expected sample size.

The sample selection procedure gave each company in the sampling frame an independent chance of selection. This method of selection differs from the method of systematic selection used in annual surveys prior to 1959. (With systematic selection, only certain combinations of companies can fall into the sample depending on the order in which they are arrayed at the time the sample is drawn.) Independent selection permits the rotation of the smaller companies into and out of a given sample panel without introducing a bias into the survey estimates.

ESTIMATING PROCEDURES

Most of the historical data compiled from the annual survey of manufactures sample were computed by the "difference estimate formula." For each item, linear estimates of the totals for both the most recent census of manufactures year and the ASM year were developed by multiplying each sample establishment's data by its sample weight (the reciprocal of its probability of selection) and summing the weighted values to publication levels. Then the difference between the two linear estimates was added to the complete (universe) total for the census year to produce the estimate for the ASM year. Estimates developed by the difference estimate formula usually are far more reliable than the comparable linear estimates developed from the current sample data alone.

The 1977 sample data were also developed using difference estimates. However, since the universe totals for the census year (either 1972 or 1977) were not known, a modification of the procedure described above was necessary. For each item, except purchased services and the breakdown of expenditures for new machinery and equipment (see further description in appendix A), linear estimates of the publication totals from the ASM sample were adjusted by the difference between imputed census totals and the corresponding ASM sample estimates of these imputed totals. These imputed totals are obtained by applying industry average ratios to control item values at the establishment level. For example, an imputed total beginning assets figure is obtained by multiplying each establishment's total value of shipments by the industry (4-digit SIC) average for the ratio of beginning assets to shipments.

QUALIFICATIONS OF THE DATA

The estimates developed from the sample are apt to differ somewhat from the results of a survey covering all companies in the sampled lists but otherwise conducted under essentially the same conditions as the actual sample survey. The sampling errors—the differences between the estimates obtained and the results theoretically obtainable from a comparable complete coverage survey—are unknown. Guides to the potential size of the sampling errors, however, are provided by the standard errors of the estimates.

The particular sample selected for the ASM is one of a large number of similar probability samples that, by chance, might have been selected under the same specifications. Each of the possible samples would yield somewhat different sets of results, and the standard errors are measures of the variation of all the possible sample estimates around the theoretical, comparable, complete coverage values.

Estimates of the standard errors have been computed from the sample data for the current statistics, as well as the historical ASM data. They are presented in the form of relative standard errors, i.e., the standard errors divided by the estimated values to which they refer.

In conjunction with its associated estimate, the relative standard error may be used to define confidence intervals—ranges that would include the comparable complete coverage value for specified percentages of all the possible samples. The complete coverage value would be included in the range:

- a. From one standard error below to one standard error above the derived estimate for about two-thirds of all possible samples.
- b. From two standard errors below to two standard errors above the derived estimate for about 19 out of 20 of all possible samples.
- c. From three standard errors below to three standard errors above the derived estimate for nearly all possible samples.

An inference that the comparable complete survey result would be within the indicated ranges would be correct in approximately the relative frequencies shown. Those proportions, therefore, may be interpreted as defining the confidence with which the estimates from a particular sample would differ from complete coverage results by as much as one, two, or three standard errors, respectively.

For example, suppose an estimated total is shown as 50,000 with an associated relative standard error of 2 percent, i.e., a

standard error of 1,000 (2 percent of 50,000). Then there is approximately 67 percent confidence that the interval 49,000 to 51,000 includes the complete coverage total, about 95 percent confidence that the interval 48,000 to 52,000 includes the complete coverage total, and almost certain confidence that the interval 47,000 to 53,000 includes the complete coverage total.

In addition to the sample errors, the estimates are subject to various operational errors (errors of collection, reporting, coding, transcription, imputation for nonresponse, etc.). These errors would also occur if a complete canvass were to be conducted under the same conditions as the survey. Explicit measures of their effects generally are not available. However, it is believed that most of the important operational errors were detected and corrected in the course of the Bureau's review of the data for reasonableness and consistency. When they were detected too late to correct, the data were suppressed or were specifically qualified in the tables. The small operational errors usually remain; to some extent, they are compensating in the aggregated totals shown.

As derived, the estimated standard errors include part of the effect of the operational errors. The total error, which depends upon the joint effect of the sampling and operation errors, is usually of the order of size indicated by the standard error or only moderately higher. For particular estimates, however, the total error may considerably exceed the standard errors shown.

The concept of complete coverage under the conditions prevailing for the annual surveys of manufactures is not identical to the complete coverage of the censuses of manufactures as conducted. Nearly all types of operational errors that affect the surveys also occur in the censuses. The surveys and the censuses, however, are conducted under quite different conditions, and operational errors can be controlled more tightly in the surveys than in the censuses. As a result, errors in many of the census figures are of the same order of size as the total errors in the corresponding annual survey estimates. The differences between the census and the survey operating conditions also disturb, to some degree, the comparability of the census and annual survey data.

Any figure shown in the tables in this publication having an associated standard error exceeding 15 percent may be of limited reliability. However, the figure may be combined with other totals, creating a broader aggregate, which may then be of acceptable reliability.

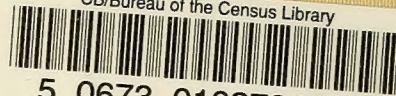
Census REF HD 9724
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Manufactures. 1977.
1977 census of manufactures.

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